

Nexim

Database Structure

Ver. 2.7.0

Database Management Version
R2.40.37.01

For Verification

FUJI CORPORATION

Revision History

Date	Details
06/15/2020	create a new entry
10/9/2020	<p>Added support for NeximV2.0.0 changes.</p> <ul style="list-style-type: none"> · Add column to LineNames table. · Add column to ProtramStatus table. · Add column to T_SLD table. · Add column to T_MSK table. · Add column to T_SQE table. · Add column to T_BLP table. · Add T_LOCP table. · Add column to T_PBAR table.
10/9/2020	<p>Added support for NeximV2.2.0 changes.</p> <ul style="list-style-type: none"> · Changed the T_ALLOCATION.ALLOCIDPICKINGFLAG column Explanation. · Add column to T_LOC table.
05/16/2022	<p>Added support for NeximV2.5.0 changes.</p> <ul style="list-style-type: none"> · Add column to T_NZL table. · Add column to T_ID table. · Changed the T_FID.FIDLASTSETPARTBARCODE column Explanation. · Changed the T_LOC.LOCFTYP column Explanation. · Changed the T_LOC.LOCFSUBTYPE column Explanation. · Changed the T_FSSLOC.FEEDERTYPE column Explanation. · Changed the T_FID.FIDTYP column Explanation. · Changed the T_PBAR.PBARFTYP column Explanation. · Changed the T_DID.DIDPTYP column Explanation. · Changed the T_DID_BACKUP.DIDPTYP column Explanation. · Changed the T_TEMP DID.DIDPTYP column Explanation. · Changed the T_FEE.FEETYP column Explanation. · Changed the MODULECONFIG.TRAYXLVERIFICATION column Explanation. · Changed the T_HEAD.HEADCHKSTTCH column Max length. · Changed the T_NZL.NZLID column Max length. · Changed the T_NZL.NZLSTID column Max length. · Changed the T_NZL.NZLOSTID column Max length. · Changed the T_NZL_PICTURE.NZLID column Max length. · Changed the MathHistory_Nzl.NzlStID column Max length. · Changed the T_HEAD.HEADID column Max length.
05/19/2023	<p>Added support for NeximV2.7.0 changes.</p> <ul style="list-style-type: none"> · Add AdvMntConfig_BackupPlate table. · Add AdvMntConfig_Feeder table. · Add AdvMntConfig_Mask table. · Add Advmntconfig_Solder table. · Add Advmntconfig_Squeegee table. · Add SensorCheckResult column to MathHistory_Head table. · Add PickupUpsidePressureUpperLimit column to MathHistory_Head table. · Add PickupUpsidePressureLowerLimit column to MathHistory_Head table. · Add PickupUpsideFlowUpperLimit column to MathHistory_Head table.

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	<ul style="list-style-type: none"> • Add PickupUpsideFlowLowerLimit column to MatHistory_Head table. • Add PartSucValveLPicPressUpLimit column to MatHistory_Head table. • Add PartSucValveLPicPressLowLimit column to MatHistory_Head table. • Add PartSucValveLPicFlowUpLimit column to MatHistory_Head table. • Add PartSucValveLPicFlowLowLimit column to MatHistory_Head table. • Add PartSucValveLPicPressMeasure column to MatHistory_Head table. • Add PartSucValveLPicPressResult column to MatHistory_Head table. • Add PartSucValveLPicFlowMeasure column to MatHistory_Head table. • Add PartSucValveLPicFlowResult column to MatHistory_Head table. • Add PickupUsPressureMeasurement column to MatHistory_HeadSub table. • Add PickupUsPressureResult column to MatHistory_HeadSub table. • Add PickupUsFlowMeasurement column to MatHistory_HeadSub table. • Add PickupUsFlowMeasurementResult column to MatHistory_HeadSub table. • Add PickupUsLeakCheckResult column to MatHistory_HeadSub table. • Add SldFilter column to SystemInfo table. • Add MskFilter column to SystemInfo table. • Add BplFilter column to SystemInfo table. • Add SqgFilter column to SystemInfo table. • Add AdvancedMaintenanceConfig to Database Constant List. • Add BarcodeFilter to Database Constant List. • Add BULKCASESPEC to Database Constant List. • Add ErrorCategory to Database Constant List. • Add MachineSpec to Database Constant List. • Add ModuleSpec to Database Constant List. • Add MatObjectMaster to Database Constant List. • Add MatAlarmMaster to Database Constant List. • Add UserGroup to Database Constant List. • Add Clean Trough column to Operater Actions of Database Constant List. • Add New register of solder column to OperaterActions of Database Constant List. • Add Editing of solder column to OperaterActions of Database Constant List. • Add Deletion of solder column to OperaterActions of Database Constant List. • Add New register of solder MASTER column to OperaterActions of Database Constant List. • Add Editing of solder MASTER column to OperaterActions of Database Constant List. • Add Deletion of solder MASTER column to OperaterActions of Database Constant List. • Add New register of mask column to OperaterActions of Database Constant List. • Add Editing of mask column to OperaterActions of Database Constant List. • Add Deletion of mask column to OperaterActions of Database Constant List. • Add New register of mask column to OperaterActions of Database Constant List. • Add New register of mask MASTER column to OperaterActions of Database Constant List. • Add Editing of mask MASTER column to OperaterActions of Database Constant List. • Add Deletion of mask MASTER column to OperaterActions of Database Constant List. • Add New register of squeegee column to OperaterActions of Database Constant List. • Add Editing of squeegee column to OperaterActions of Database Constant List. • Add Editing of squeegee to OperaterActions of Database Constant List. • Add Deletion of squeegee column to OperaterActions of Database Constant List. • Add New register of squeegee MASTER column to OperaterActions of Database Constant List. • Add Editing of squeegee MASTER column to OperaterActions of Database Constant List. • Add Deletion of squeegee MASTER column to OperaterActions of Database Constant
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	<p>List.</p> <ul style="list-style-type: none"> • Add New register of BUplate column to OperatorActions of Database Constant List. • Add Editing of BUplate column to OperatorActions of Database Constant List. • Add Deletion of BUplate column to OperatorActions of Database Constant List. • Add New register of BUplate MASTER column to OperatorActions of Database Constant List. • Add Editing of BUplate MASTER column to OperatorActions of Database Constant List. • Add Deletion of BUplate MASTER column to OperatorActions of Database Constant List. • Add Verification of solder column to OperatorActions of Database Constant List. • Add Verification of squeegee column to OperatorActions of Database Constant List. • Add Verification of mask column to OperatorActions of Database Constant List. • Add Verification of BUplate column to OperatorActions of Database Constant List. • Add Trough column to T_FEE of Database Constant List. • Add SldAutoRegMode column to VerifierConfig of Database Constant List. • Add SqeAutoRegMode column to VerifierConfig of Database Constant List. • Add MskAutoRegMode column to VerifierConfig of Database Constant List. • Add BlpAutoRegMode column to VerifierConfig of Database Constant List. • Add the following columns to the feeder type <ul style="list-style-type: none"> Multi : -1 Motor : 10 • Add OperatorActions Table Data Comparison for Scale Up Function
06/23/2023	<ul style="list-style-type: none"> • Add DIDSETLOC column to T_DID table. (Correction of omissions) • Add DIDHSTBAR column to T_DIDtable. (Correction of omissions) • Add DIDSETMID column to T_DID table. (Correction of omissions) • Add DIDSETLOC column to T_DID_BACKUP table. (Correction of omissions) • Add DIDHSTBAR column to T_DID_BACKUP table. (Correction of omissions) • Add DIDSETMID column to T_DID_BACKUP table. (Correction of omissions) • Add DIDSETLOC column to T_TEMP DID table. (Correction of omissions) • Add DIDHSTBAR column to T_TEMP DID table. (Correction of omissions) • Add DIDSETMID column to T_TEMP DID table. (Correction of omissions)

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MatMeasureMaster	V
MatMeasureMaster_Head	V
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Overview

Purpose

This manual defines the configuration of the database used by Nexim.

Compatible Databases

Nexim supports the following database.

- Oracle 11.2.0
- Oracle 12.2.0
- Oracle 19.10.0

Summary

Nexim uses three types of tables.

Both Nexim Profiler and Nexim Verifier use the "Tables for Common" category.

Nexim Profiler uses the "Tables for Profiler" category.

Nexim Verifier uses the "Tables for Verifier" category.

Tables for Common	
MachineNames	Saves the data for each machine.
MachineSpec	Saves the machine type specifications for each machine.
LineNames	Saves the line data.
LineDesc	Saves configuration data for each machine in the line.
LineName_BackUp	Saves all previous line configurations.
LineDecs_BackUp	Saves the previous machines in the line and the panel camera allocation information.
SystemInfo	Saves all system settings.
SystemTrace	Saves the system error log.
UserName	Saves the user group and verification information.
UserGroup	Saves the application access permissions for each group.
ApplicationMaster	Saves the application IDs.
T_LOC	Saves data about the current feeder and part positions.
BaseConfig	Saves the NXT base configuration.
ModuleConfig	Saves the module configuration for NXT bases.
ModuleSpec	Saves existing data for modules used on the NXT using the module type as a key.
CameraConfig	Saves the panel camera settings information.
ConveyerInfo	Saves the conveyor information.
Line status	Saves the current line status.
T_ID	Saves data about the feeder and part relationships within the factory.
T_Ver	Saves the database version number.
UnwantedLot	Stores the registered UnwantedLot relationship.

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UnwantedTrace	Stores the history for UnwantedLot discovered in the line.
BakingMaster	Saves the value used as a guideline when baking dry components.
FloorLifeMaster	Saves the dry component floor master information.
BodyThicknessMaster	Saves supplementary information for the floor master information.
BoxLifeMaster	Saves box life master information for dry components.
Tables for Profiler	
PanelIDReport	Saves panel position information.
T_PanelLoc	Saves the progress status of a panel in production on the line.
Tables for Verifier	
T_FID	Saves data about parts being used.
T_DID	Saves data about parts being used.
T_DID_BACKUP	Stores the part information deleted by the application.
T_FEE ¹	Saves feeder type data (list).
T_PBAR	Saves the codes for converting barcodes used to determine part suitability.
T_ID	Saves the association data between the feeders and parts in the factory.
T_RSV	Saves the Quick Verification Reservation data.
T_PRV	Saves the user rights data.
MatHistory	Saves the maintenance history.
MatHistoryPic_Nzl	The picture of the nozzle when nozzle maintenance or repairing is performed is saved in the MatHistoryPic_Nzl table.
MatObjectMaster	Defines the equipment on which maintenance is performed.
MatAlarmMaster	Defines maintenance notification types.
MatCauseMaster	Defines maintenance defect causes.
MatMeasureMaster	Defines maintenance measures.
MashineStatus	Saves the current VME machine status.
MachineStatus2	Saves the current new machine status.
ProgramStatus	Saves the VME machine and NXT program storage status.
DeviceMap	Saves the nominated slot position information for production on VME and NXT machines.
ErrorCategory	Defines the error type for VME and NXT error codes.
FlpConfigForVerifier	Saves the verify relationship environment settings for the FLP (Front Line Processor).
GemParamForVerifier	Saves the GEM communication parameters for connection to PCC machines.
OperatorActions	Saves the operator work details list information.
OperatorTrace	Saves the operator work record.
StatusPriority	Defines the priority order for display of the part status.
BarcodeFilter	Stores the barcode filter definition data and stored barcode data name relationship.
T_DRY	Saves information relating to dry components.
T_DRY_BACKUP	Stores deleted dry component information, depending on the application.
KittingStandCurFIDL	Saves Kitting Stand related information in the KittingStandCurFIDL table.

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T_TRAY	Saves the tray part pickup START position for each part (T_DID) in the T_TRAY table. Operation is possible even without this information. This information is only created for tray parts.
T_TRAY_BACKUP	Stores application- deleted tray part information together with T_DID data in the T_TRAY table.
VerifierConfig	Saves operation conditions setting data related to Verifier.
T_TEMPTRAY	Used as a global temporary table when generating reports.
T_TEMPDID	Used as a global temporary table when generating reports.
PartsBlock	Saves block conditions for data listed in the block list.
PartsBlockKey	Saves header 2 information listed in the block list.
PartsRestriction	Saves restriction conditions for data listed in the restriction list.
PartsRestrictionKey	Saves header 2 information listed in the restriction list.
MatHistory_Head	Saves head maintenance history.
MatHistory_HeadSub	Saves head maintenance history (additional inspection items) in the MatHistory_HeadSub table.
MatHistory_Nzl	Saves nozzle maintenance history.
MatCauseMaster_Head	Defines the reason for performing head maintenance.
MatCauseMaster_Nzl	Defines the reason for performing nozzle maintenance.
MatCauseMaster2_Nzl	The reasons for performing nozzle maintenance are saved in the MatCauseMaster_Nzl table.
MatCauseMaster3_Nzl	The reasons for repairing the nozzle are saved in the MatCauseMaster_Nzl table.
MatMeasureMaster_Head	Defines the details of head maintenance.
MatMeasureMaster_Nzl	Defines the details of nozzle maintenance.
MatMeasureMaster2_Nzl	The details for performing nozzle maintenance are saved in the MatMeasureMaster_Nzl table.
MatMeasureMaster3_Nzl	The details for repairing the nozzle are saved in the MatMeasureMaster_Nzl table.
T_HEAD	Saves the information for heads in the factory.
T_NZL	Saves the information for nozzles in the factory.
T_NZL_PICTURE	Saves the image information related to the nozzle information.
DBConfig	Saves database information related to the scale up function.
T_FIDSTS	Saves data relating to transfer of feeders when using the scale up function.
T_DIDSTS	Saves data relating to transfer of parts when using the scale up function.
LIGHTINGMAP	Saves the relationship information between the LED parts and resistor parts when using the group device function.
ScheduleDataNavi	Saves schedule details data when using the parts navigation function.
ScheduleNavi	Saves schedule lists when using the parts navigation function.
SchedulePalletNavi	Saves pallet batch change data to the schedule details data when using the parts navigation function.
T_DIDNavi	Saves part data managed by the parts navigation function.
T_SLOTNavi	Saves data for checking out parts by slot when using the parts navigation function.
LightingSchedule	When using group device management, the lighting schedule is saved so that parts can be placed to a block on the PCB according to the lighting class specified for each group.
AdvancedMaintenanceConfig	Stores settings for Advanced Maintenance.

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T_CHECKOUTLIST	Saves check out operation information.
LIGHTINGSET	Controls the LED brightness and tint.
LIGHTINGSET2	Stores the multiple LED combination data when using group device management.
DeviceData	Saves data for jobs in the next production.
DevicePlate	Saves data for jobs in the next production.
GroupDesc	Saves data for jobs in the next production.
JobGroup	Saves data for jobs in the group.
JobInfo	Saves data for jobs in the next production.
RecipeInfo	Saves data for recipes in the next production.
NotPlacement	Saves sequence skip data.
T_UNCHECKDID	Temporarily saves data for internal processing with the barcode label ID affix check.
T_UNCHECKDRY	Temporarily saves data for internal processing with the barcode label ID affix check.
T_UNCHECKTRAY	Temporarily saves data for internal processing with the barcode label ID affix check.
AdvMntConfig_Feeder	The maintenance threshold settings values for individual feeders are saved in AdvMntConfig_Feeder table. Advanced Maintenance creates and references.
AdvMntConfig_Nozzle	The maintenance threshold settings values for individual feeders are saved in AdvMntConfig_Nozzle table. Advanced Maintenance creates and references.
FeederNameList	The list of feeder names registered in Fuji Flexa is saved. Advanced Maintenance creates and references.
NozzleNameList	The list of nozzle names registered in Fuji Flexa is saved. Advanced Maintenance creates and references.
MatCauseMasterRsv	The reason for performing the maintenance is defined. Referenced when a maintenance performed report comes from the feeder maintenance station.
MatCauseMasterRsv_Head	The reason for performing the head maintenance is defined. Referenced when a maintenance performed report comes from the auto head cleaner.
MatCauseMasterRsv_Nzl	The reason for performing the nozzle maintenance is defined. Referenced when a maintenance performed report comes from the smart nozzle cleaner.
MatMeasureMasterRsv	Details of the maintenance are defined. Referenced when a maintenance performed report comes from the feeder maintenance station.
MatMeasureMasterRsv_Head	Details of the head maintenance are defined. Referenced when a maintenance performed report comes from the auto head cleaner.
MatMeasureMasterRsv_Nzl	Details of the nozzle maintenance are defined. Referenced when a maintenance performed report comes from the smart nozzle cleaner.
ASUSettings	Stores the line(s) and side(s) managed by an Auto Splicing Unit.
T_WAFERFLAMEID	Stores wafer combination information.
T_ALLOCATION	Stores allocation information for work orders (multiple work orders are permitted) for each DID.
T_DID_RESERVE	Stores usage reserve information for parts checked out of the warehouse.

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LOCSUPPORT	Stores the quantity of produced panels for each slot in order not to supply excess parts when replenishing parts. This table only has the original slot entered. This is registered only for NXT, AIMEX, and AIM machines.
PROGRAMSUPPORT	Stores the quantity of panels to be produced in order not to supply excess parts when replenishing parts.
FeederSpec	This stores the feeder spec data.
BULKCASESPEC	This is required information when calculating the remaining possible production time for bulk parts.
T_PBAR_MANUFACTURE	This specifies the package, shape, and direction by each manufacturer (by the part <u>barcode before converting</u>) and part master.
T_FSSLOC	This table is for managing the set status of feeders in the FSS (Feeder Stock Station). By referencing this table, it is possible to know which feeders are set in which positions in the FSS. This is updated when recipes are changed and when feeders are inserted or removed in the same manner as T_LOC.
エラー! 参照元が見つかりません。	The latest AMR status information is stored to link with AMRs in Nexim Kitting Station.

Explanations of each table are given below in the following format.

Row Name	Name of table's physical row.
PK	Indicates whether a primary key is set in this row. An "O" mark indicates that a primary key is set.
Data Type	Indicates the row's data type.
Max. Length	Indicates the row's max. data size (bytes).
Explanation	Explanation of data saved in this row.

Note: The Date type is used for the row indicating the date and time.
The Date type row includes the year, month, day, hour, minute, second. [Ex] 10-31-2000
12:15:07

Database Administration Logon Information

This displays the following user logon information for database administrator authorization.

User Name	Password
SYS	asa
SYSTEM	asa
Fujiaadmin	This is the Fujiaadmin password registered when set from the KIT Database Wizard.
Fujiuser	This is the Fujiuser password registered when set from the KIT Database Wizard.

Table Specifications

AdvMntConfig_BackupPlate

V

The maintenance threshold settings values for individual backup plate models are saved.

Row name	PK	Data Type	Max. Length	Default	Explanation
NAME	O	VARCHAR2	64		Backup plate name (model ID)
CNTU		NUMBER	9	0	Total operation count (Upper value)
CNTL		NUMBER	9	0	Total operation count (Warning value)
RCNTU		NUMBER	9	0	Operation count (Upper value)
RCNTL		NUMBER	9	0	Operation count (Warning value)
VND		VARCHAR2	64		Vendor
LOT		VARCHAR2	64		Lot
DTE		VARCHAR2	64		Date code
SHNAME		VARCHAR2	16		Shelf name
NCHECK		VARCHAR2	5		Required item check 0: Not required 1: Required From the first digit, vendor, lot, date code, maximum lifetime usage count,, and maximum usage count

AdvMntConfig_Feeder

V

The maintenance threshold settings values for individual feeders are saved in AdvMntConfig_Feeder table.

Advanced Maintenance creates and references.

Row name	PK	Data type	Max. length	Default value	Description
Feeder name	O	VARCHAR2	32		Feeder name
CONRATE		NUMBER	9		Error rate (%) 0.001 to 100.000 Saved as error rate (%)*1000
CONERR		NUMBER	9		Error Count 1 to 9999999

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Row name	PK	Data type	Max. length	Default value	Description
CONDATE		NUMBER	9		Maintenance of Days 1 to 365
CONCOUNT		NUMBER	9		Feed Count 1 to 9999999
CONHIST		NUMBER	9		Maintenance count 1 to 100

AdvMntConfig_Mask

V

The maintenance threshold settings values for individual mask models are saved are saved.

Row name	PK	Data Type	Max. Length	Default	Explanation
NAME	O	VARCHAR 2	64		Mask (model ID)
CNTU		NUMBER	9	0	Total operation count (Upper value)
CNTL		NUMBER	9	0	Total operation count (Warning value)
RCNTU		NUMBER	9	0	Operation count (Upper value)
RCNTL		NUMBER	9	0	Operation count (Warning value)
VND		VARCHAR2	64		Vendor
LOT		VARCHAR2	64		Lot
DTE		VARCHAR2	64		Date code
SHNAME		VARCHAR2	16		Shelf name
NCHECK		VARCHAR2	64		Required item check 0: Not required 1: Required From the first digit, vendor, lot, date code, maximum lifetime usage count,, and maximum usage count

Advmntconfig_Solder

V

The Advmntconfig_Solder table saves maintenance threshold settings values for individual solder models.

Row Name	PK	Data type	Max. length	Default value	Explanation
NAME	O	VARCHAR	64		Solder paste name (model ID)
USETIMU		NUMBER	9	0	Usage limit time after opening (Upper value)
USETIML		NUMBER	9	0	Usage limit time after opening (Warning value)
OUTTIMU		NUMBER	9	0	Time for returning to room temperature (Upper value)
OUTTML		NUMBER	9	0	Time for returning to room temperature (Warning value)
OUTTMOU		NUMBER	9	0	Limit time for returning to room temperature (Upper value)
OUTTMOL		NUMBER	9	0	Limit time for returning to room temperature (Warning value)
MKETIMU		NUMBER	9	0	Kneading time (Upper value)
MKETIML		NUMBER	9	0	Kneading time (Warning value)
USECNTU		NUMBER	9	0	Usable count (Upper value)
USECNTL		NUMBER	9	0	Usable count (Warning value)
VND		VARCHAR	64		Vendor
TYP		NUMBER	4	1	Form (1: Pot, 2: Syringe)
LOT		VARCHAR	64		Lot
DTE		VARCHAR	64		Date code
SHNAME		VARCHAR	16		Shelf name
LMTDTEL		NUMBER	3	0	Expiration date (warning date)
NCHECK		VARCHAR	9		Required item check 0: Not required 1: Required From the first digit, vendor, lot, date code, shelf name, usage period, room temperature return time, room temperature exposure time, time for kneading, and the maximum number of times that solder can be reused

Advmntconfig_Squeegee

V

The Advmntconfig_Squeegee saves maintenance threshold settings values for individual squeegee models.

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Row Name	PK	Data type	Max. length	Default value	Explanation
NAME	O	VARCHAR2	64		Squeegee name (model ID)
CNTU		NUMBER	9	0	Total operation count (Upper value)
CNTL		NUMBER	9	0	Total operation count (Warning value)
RCNTU		NUMBER	9	0	Operation count (Upper value)
RCNTL		NUMBER	9	0	Operation count (Warning value)
VND		VARCHAR2	64		Vendor
TYP		NUMBER	4	1	Form (1: Metal, 2: Urethane)
LOT		VARCHAR2	64		Lot
DTE		VARCHAR2	64		Date code
SHNAME		VARCHAR2	16		Shelf name
NCHECK		VARCHAR2	5		Required item check 0: Not required 1: Required From the first digit, vendor, lot, date code, maximum lifetime usage count,, and maximum usage count

ApplicationMaster

V/P/S

Application and ID association information are stored in the ApplicationMaster table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
ApplicationID	O	NUMBER	4		Shows the ID used to indicate the application.
ApplicationName		VARCHAR2	64	Null	Indicates the application name

The constants in this table are preset in the database. (See "[ApplicationMaster](#)")

BaseConfig [For Backup]

V/(P)/S

The NXT base configuration is stored in the BaseConfig table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
McID	(NUMBER	4		This is a unique integer used to identify the machine.
BaseName	(VARCHAR2	64		Base name
BasePosition		NUMBER	4	0	Base position. ((not possible to jump numbers)) 1-16

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Row Name	PK	Data Type	Max. Length	Default	Explanation
BaseType		NUMBER	4	0	Base type 2 4 6 8
CentralServerName		VARCHAR2	64	Null	Central Server host name
MainteServerName		VARCHAR2	64	Null	Maintenance Server host name
ProfilerServerName		VARCHAR2	64	Null	Profiler Central Server host name

CameraConfig [For Backup]

V/(P)/S

The detailed settings for cameras currently existing in the SMT line are saved in the CameraConfig table using a machine ID as a key. This data does not exist at the machine.

Row Name	PK	Data Type	Max. Length	Default	Explanation
McID	O	NUMBER	4		This is a unique integer used to identify the panel camera. A value of 1 or higher is set.
Lane	O	NUMBER	4	0	Used to indicate the lane. A triple lane exists on the NXT. Lanes are not used on PCC and VME machines and therefore this is fixed as a single lane. This will also be a single lane in the case of a shuttle conveyor. 0: Single conveyor (default) 1: Lane 1 of double lane Lane 1 of a triple lane 2: Lane 2 of a double lane Lane 2 of a triple lane 3: Lane 3 of a triple lane
ConnectionMode		NUMBER	4	0	This specifies the connection mode between the host and the camera (FLP). 0: Direct (Connect directly to camera) 1: Connect via the FLP
ConnectionType		NUMBER	4	0	Specify the connection type between the host and the camera (FLP).H 0: Ethernet 1: RS-232C
CameraType		VARCHAR2	6	Null	This specifies the camera type. QuadrusEZ: Q-EZ BL600: BL600 TFIR3112: TFIR SR-500: SR500 Other types: OTHER When "OTHER" is specified, values are set for the following items: Header, Terminator, BaudRate, DataBit, Parity, StopBit.
MaxNumPanel		NUMBER	4	0	This indicates the maximum number of panels that can be held in the management interval.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
CameraNo		VARCHAR2	64		<p>This is a unique integer used to identify the camera in the case where multiple cameras are connected via one connection. (COM port no. is used if the machine type is FLP.)</p> <p>Where two cameras are installed (Upper and Lower), the second camera is set at the SubCameraNo item below.</p>
CameraPosition		NUMBER	4	0	<p>This indicates the default position when one camera is used.</p> <p>Refer to the "CameraPosition" item in the LineStatus table if changing the camera position during operation.</p> <p>This value is fixed at 1 if two cameras are installed.</p> <p>1: Side1 (Upper) 2: Side2 (Lower)</p>
SubCameraNo		VARCHAR2	64	Null	<p>This is a unique integer used to identify the lower camera where two cameras are set on the conveyor. (When the machine type is FLP, this value is used as the COM port No.)</p> <p>This value is set to Null if a sub camera does not exist.</p>
SubCameraPosition		NUMBER	4	-1	<p>This indicates the sub camera position.</p> <p>The lower camera is generally set as the sub camera.</p> <p>This setting must differ to the value set for CameraPosition.</p> <p>0: None 1: Side1 (Upper) 2: Side2 (Lower)</p>
RetryScanID		NUMBER	4	0	<p>If the conveyor is controlled by the FLP, specify whether to perform a retry when a NOREAD or TIMEOUT error occurs when reading the panel ID.</p> <p>0: No retry 1~: Retry the specified no. of times</p>
CameraSettingType		NUMBER	4	1	<p>Indicates the camera installation method when the traceability function is supported.</p> <p>1: Front camera method (Default) 2: Camera insertion method</p>
Header		VARCHAR2	32	Null	<p>This item is set when the camera type is set to "OTHER".</p> <p>Specifies the header character string that is used when the scanned ID is sent from the camera to the FLP.</p> <p>The value is registered as a HEX character string for control code compatibility.</p> <p>A single character must be expressed as a 2 digit hexadecimal code.</p>

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					Ex.) A:41,TAB:0B,CR:0D,CR/LF:0D0A
Terminator		VARCHAR2	32	Null	<p>This item is set when the camera type is set to "OTHER".</p> <p>Specifies the terminator character string that is used when the scanned ID is sent from the camera to the FLP.</p> <p>The value is registered as a HEX character string for control code compatibility.</p> <p>A single character must be expressed as a 2 digit hexadecimal code.</p> <p>Ex.) A:41,TAB:0B,CR:0D,CR/LF:0D0A </p>
BaudRate		NUMBER	4	0	<p>Specifies the baud rate for the serial port that the camera is connected to. The actual baud rate is multiplied by 1/100 and recorded.</p> <p>Ex.) 9600→96 </p>
DataBit		NUMBER	4	0	<p>Specifies the data bits for the serial port that the camera is connected to.</p> <p>7:7Bit 8:8Bit </p>
Parity		NUMBER	4	0	<p>Specifies the parity for the serial port that the camera is connected to.</p> <p>0: No parity 1:Even parity 2:Odd parity </p>
StopBit		NUMBER	4	0	<p>Specifies the stop bit for the serial port that the camera is connected to. The actual stop bit value is multiplied by 10 and recorded.</p> <p>10: 1 bit 15: 1.5 bit (Currently not supported) 20: 2 bit </p>

ConveyerInfo [For Backup]

V/(P)/S

Detailed information for conveyors in the SMT lines are saved in the ConveyerInfo table using a machine ID as a key. This data exists only if the camera is supported using the FLP (if the CameraConfig table ConnectionMode is set to 1).

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Row Name	PK	Data Type	Max. Length	Default	Explanation
McID	O	NUMBER	4		This is a unique integer used to identify the panel camera. A value of greater than 1 is set.
Lane	O	NUMBER	4	0	<p>Used to indicate the lane.</p> <p>A triple lane exists on the NXT.</p> <p>Lanes are not used on PCC and VME machines and therefore this is fixed as a single lane.</p> <p>This will also be a single lane in the case of a shuttle conveyor.</p> <p>0: Single conveyor (default)</p> <p>1: Lane 1 of a double lane Lane 1 of a triple lane</p> <p>2: Lane 2 of a double lane Lane 2 of a triple lane</p> <p>3: Lane 3 of a triple lane</p>
ConveyerType		NUMBER	4	0	<p>Used to indicate the conveyor type.</p> <p>2 records exist in this table for a double conveyor.</p> <p>0: Single conveyor</p> <p>1: Double conveyor</p> <p>2: Shuttle conveyor</p> <p>3: Triple conveyor</p>
FLPCType		NUMBER	4	0	<p>This indicates the relay box type (SMEMA box) between the FLP and the scanner.</p> <p>This setting is used when the connection is via the FLP. Otherwise it is ignored.</p> <p>0: Type A</p> <p>1: Type B</p> <p>2: Type C</p>
ConvSpeed		NUMBER	4	0	This indicates the speed at which the conveyor transports the panel (mm/sec).
HoleLength		NUMBER	4	0	<p>The scanner sensor switches ON and OFF when there are empty holes in the panel.</p> <p>In order to ignore this, specify the maximum width of the hole (mm).</p>
IOCycleTime		NUMBER	4	0	This specifies the monitoring I/O polling timer (msec) when scanning IDs.
ScanTimeout		NUMBER	4	0	This specifies the timeout time (100 msec) when scanning IDs.
PassMode		NUMBER	4	0	<p>This specifies whether to ignore errors that occur when scanning IDs. By setting this, verify errors are ignored and panel transfer is permitted.</p> <p>0: Errors are not ignored (Follows the LineStatus NonstopCarry setting)</p> <p>1: Errors are ignored</p>

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					(No verification) 2: Errors ignored (Only for cameras without sensor)

FlpConfigForProfiler

V/(P)

The FLP (Front Line Controller) traceability-related environment settings are stored in the FlpConfigForProfiler table.

Row name	PK	Data Type	Max. Length	Default	Explanation
McID	O	NUMBER	4		This is a unique integer used to identify the machine.
ComPort	O	NUMBER	4		Sets the serial port No. for the FLP used to control the machine. 1~17
FlpName		VARCHAR2	64	Null	Host name for the FLP used to control the machine.
Section		NUMBER	4	0	Indicates where the connected ID unit is located within the administration zone. 0: Start section 1: End section 2: Machine interior
ReaderType		NUMBER	4	0	Reader type mounted on ID Unit. 0:BL-600 1:
Purpose		NUMBER	4	0	Indicates which ID unit type this serial port is connected to. 1-100:ID Unit of RS-232C
BaudRate		NUMBER	4	0	Baud rate for this serial port. Multiplied by 1/100 and recorded.
DataBit		NUMBER	4	0	Data bit for this serial port.
Parity		NUMBER	4	0	Parity for this serial port.
StopBit		NUMBER	4	0	Stop bit for this serial port. Multiplied by 10 and recorded

LineNames [For Backup]

V/(P)/S

The names of the production lines (keyed to the line IDs) which are being used in the factory are saved in the LineNames table.

Line positions are saved as sequential integers (1.2.3...) counting from the first line in the SMT line for the factory.

Row Name	PK	Data Type	Max. Length	Default	Explanation
LineID	O	NUMBER	4		Unique integer which identifies the production line. A value of greater than 1 is set. The factory name is displayed when -1 is set.
LineName		VARCHAR2	32	Null	Name which identifies the production line.
LineNumber		NUMBER	4	Null	Indicates the position of the line within the factory. 0: The line has been deleted. It is therefore determined that no machines exist in this line. -1: Part storage shelf registration line. -2: Dry box registration line. -3: Dry oven registration line. -4: Kitting Stand registration line. Factories are registered as "-1" but since LineID is "-1", the setting is disabled.
LineMcName		VARCHAR2	64	Null	This is the host name for the control software computer (KIT Server) used to control this line.
LineCCHostName		VARCHAR2	64	Null	This is the host name for the CC control software computer (C/C plug-in) used to control this line.
LineServerHostName		VARCHAR2	64	Null	This is the host name for the control software computer (PanelTracer) used to control this line.
LineClientHostName		VARCHAR2	64	Null	This is the host name for the client software computer (PanelTracer) used to control this line. (Computer that switches between PcbLot and PasteLot)
LineProdHostName		VARCHAR2	64	Null	This is the host name for the software computer used to control the production information (GEM etc.) for this line.
LineFlexaHostName		VARCHAR2	64	Null	This is the host name for the Flexa user server computer used to control this line.
ProfServerDBName		VARCHAR2	64	Null	This is the name of the database for the Profiler Server used to control this line.
DoBackUp		NUMBER	4	Null	This flag is used to indicate whether to perform a back-up. 0= No 1= Yes
Capacity		NUMBER	4	Null	This specifies the time period for which the ProfilerDB retains data. Units: Days
CleanUpCycle		NUMBER	9	Null	This is the Profiler back-up cycle. (sec)
ProfRecipePath		VARCHAR2	255	Null	This is the folder name of where Profiler Web saves the recipe file. Stored by UNC bus.
LineProfServerHostNa		VARCHAR2	64	Null	This is the host name for the line control

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Row Name	PK	Data Type	Max. Length	Default	Explanation
me					software computer (Profiler Server) controlling this line.
XP2ProfilerServerHostName		VARCHAR2	64	Null	Specifies the host name or IP address for Fuji Profiler Central Server, which is used to collect traceability data for all XP Type 2/3 (XP142(3), XP242(3)) and XPF machines in the line.
OperatorTraceMode		NUMBER	4	1	Specifies whether the operator trace function is ON or OFF. 0: OFF (Disabled) 1: ON (Enabled) (Default)
FeederTypeCheck		NUMBER	4	0	Specifies whether to perform a feeder type check. 0: No check (Default) 1: Check
CentralServerHostName		VARCHAR2	64	Null	Specifies the IP address or host name for Fuji Central Server, which is used to perform verification for all XPF machines in the line.
ProfDBHostName		VARCHAR2	256	Null	This is the host name (instance name) of the connected Profiler database managing this line. Not required if the database is Oracle.
PartsNavi		NUMBER	4	0	Specifies whether the parts navigation function is ON or OFF. 0: OFF (Disabled) 1: ON (Enabled)
ProdNaviHostName		VARCHAR2	64	Null	Specifies the host name or IP address of the Production Navigator Server computer that manages this line.
VerifierDBName		VARCHAR2	64	Null	Name of Verifier database that manages this line.
LCUHostName		VARCHAR2	64	NULL	Connection name for the LCU used in the line
LCUProfServer		NUMBER	1	0	Flag for determining whether to start the Profiler database server name service

LineDesc [For Backup]

V/(P)/S

The line configuration information for each machine is saved in the "LineDesc" table.

Machine names are saved under the machine IDs defined in the MachineNames table.

Line names are saved under the line IDs defined in the LineNames table. Machine positions are saved as sequential integers (1.2.3...) counting from the first machine in the line.

Row Name	PK	Data Type	Max. Length	Default	Explanation
McID	O	NUMBER	4		Unique integer which identifies the machine. A value of greater than 1 is set.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
LineID		NUMBER	4	Compulsory	Unique integer which identifies the SMT line. A value of greater than 1 is set. The factory name is displayed when -1 is set.
Position		NUMBER	4	Null	Position of machine in the SMT line.
USENEXIM		NUMBER	1	0	Determines the line information used for the new host system.

LineStatus

V/(P)

This stores the current line status.

Row Name	PK	Data Type	Max. Length	Default	Explanation
LineID	O	NUMBER	4		Unique integer used to indicate the SMT line. A value of greater than 1 is set.
Lane	O	NUMBER	4	0	Used to indicate the line. A triple lane exists on the NXT. Lanes are not used on PCC and VME machines and therefore this is fixed as a single lane. This will also be a single lane in the case of a shuttle conveyor. 0: Single conveyor (default) 1: Lane 1 of a double lane Lane 1 of a triple lane 2: Lane 2 of a double lane Lane 2 of a triple lane 3: Lane 3 of a triple lane
NumBlocks		NUMBER	4	Null	Indicates the number of panel boards for the job currently being produced.
ScanIDType		NUMBER	4	0	Specifies whether the ID is scanned as the Panel ID or Board ID when scanning the IDs on the panel using the camera. 0= PanelID 1= BoardID Default: 0 (PanelID)
AutoMakelD		NUMBER	4	0	Specifies whether to automatically generate the ID from the start for the scanned ID on the panel. 0= OFF 1= ON This function operates as follows when performing automatic generation. When the ScanIDType is 0 (PanelID):

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					The BoardID is generated automatically When the ScanIDType is 1 (BoardID): The PanelID is generated automatically Default: 0 (OFF)
AllocateBlockNo		NUMBER	4	1	Specifies the PanelID allocated to the BlockNo when automatically generating the BoardID when the ScanIDType is 0 (PanelID). When set to 0, the BoardID is generated automatically using an order no. When a valid BlockNo. Is specified, the BoardID and PanelID for that board are the same. Default: 1
BlockLinkKey		NUMBER	4	-1	When the ID on the panel is read as a BoardID, a key is used to specify the read order for the BlockNo and ID. Default: -1 (No information)
PanelBarcSide		NUMBER	4	0	Indicates the panel barcode attachment surface. 0: Top 1: Bottom
CameraPosition		NUMBER	4	-1	Indicates the camera setting status 1: Side 1 (attached to the conveyor top surface) 2: Side 2 (attached to the conveyor top surface) 3: Both (attached to both conveyor surfaces)
NonstopCarry		NUMBER	4	3	Specifies whether to transfer the panel to the next machine if a panel ID error occurs in the case where the conveyor supports FLP control. 1: Transferred even if an error occurs for the ID 2: Not transferred (Permitted after resetting) 3: Not transferred (verification performed again after resetting)
Part2DCodeCarry		NUMBER	4	3	Specifies whether the machine conveys the panel when a 2D code read error occurs. 1: Convey even when ID error occurs. 2: Do not convey (allow after reset) 3: Do not convey (verify again after reset)
Part2DCodeCarry		NUMBER	4	3	Not currently used.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
FlpMultiCameraMode		NUMBER	4	0	Not currently used.
NumBlocks2		NUMBER	4	NULL	Not currently used.
AutoMakelD2		NUMBER	4	0	Not currently used.
AllocateBlockNo2		NUMBER	4	0	Not currently used.
StartPosition		NUMBER	4	0	Not currently used.
Length		NUMBER	4	0	Not currently used.
Section		NUMBER	4	0	Not currently used.
SkipCharacter		NUMBER	4	0	Not currently used.
SkipCharacterOther		VARCHAR 2	64	NULL	Not currently used.
ManualHandyScanMode		NUMBER	4	0	Not currently used.

MachineNames [For Backup]

V/(P)/S

The names and types of machines (keyed to the machine IDs) in the production line are saved in the MachineNames table. Cameras for panels also have this ID.

Row Name	PK	Data Type	Max. Length	Default	Explanation
McID	O	NUMBER	4		Unique integer which identifies the machine and panel camera, box name, and Kitting Stand. A value greater than 1 is set.
MachineName		VARCHAR 2	64	Null	Name that identifies the machine and panel camera, box name, and Kitting Stand. Also known as the machine nickname. When using an Ethernet type panel camera, this is the IP Address of the camera, or the FLP address when using an FLP. When using an RS-232C panel camera, this is the COM Port no. for connection to the camera.
MachineType		VARCHAR 2	6	Null	Machine type. CP642, CP642M, CP643, CP643M, CP732, CP733, CP742, CP742M, CP743, CP743M, FCP4, FCP43, FCP6, FCP6M, FIP1, FIP2, FIP3, NP133, NP2, QP132, QP242, QP341, XP141, XP241, XP341, NXT, AIM, XPF, AIMEX There is no link to MachineSpec when using the following types. CAMERA when using a panel camera. SHELF when using part storage shelves. DRYBOX when using a dry box. DRYOVN when using a dry oven. KITSTD when using a Kitting Stand. PALLET when using a feeder pallet

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					TOWER when an automatic warehouse The corresponding code always exists in MaterialTowerConfig when it is "TOWER".
RecipeFileTop		VARCHAR 2	255	Null	This is the name of the FujiCam recipe file that Nexim Verifier refers to when acquiring recipe data for the upper side of the panel
RecipeFileBottom		VARCHAR 2	255	Null	This is the name of the FujiCam recipe file that Nexim Verifier refers to when acquiring recipe data for the lower side of the panel.
PartsOutWarningMode		NUMBER	4	0	Parts out warning type 0: Reports remaining possible production time. 1: Reports remaining number of panels that can be produced.
RemainTime		NUMBER	9	0	This is the current parts out warning reference time (in seconds) set at the machine. The units are as follows. If PartsOutWarningMode=0 then (sec) If PartsOutWarningMode=1 then (panel qty.)
HostName		VARCHAR 2	64	Null	Name of host controlling (NTCC) this machine.
BoardFlow		VARCHAR 2	32	Null	Panel Conveyance Left->Right Right->Left
RecoveryUP		NUMBER	4	0	Machine recovery limit
PartIDMode		NUMBER	4	0	Parts Verification Mode. 0:Part Number 1:Part Barcode
TwoPanelFlg		NUMBER	4	Null	Double panel production flag This flag is set when performing double panel production (CP) 0: OFF/1:ON
KittingHostName		VARCHAR 2	64	Null	When the machine type is a reel set stand, this is the host name for the Kitting Station used to control that reel set stand.
KITSTDHostName		VARCHAR 2	64	Null	When the machine type is a Kitting Stand, this item indicates the host name of the control software PC which manages that Kitting Stand. In all other cases, this item is left blank.
KITSTDComPort		NUMBER	4	Null	When the machine type is a Kitting Stand, this item indicates the COM port No. for referencing by the Kitting Stand communication control service. 1: COM Port 1 2: COM Port 2
SimpleVerifyMode		NUMBER	4	0	KitManager START mode.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					0:OFF 1:ON
TraceLevel		NUMBER	4	0	<p>This sets the production level for traceability.</p> <p>-1: Reference the job settings. (NXT, AIM, AIMEX, XPF)</p> <p>0: Do not generate Traceability data.</p> <p>1: Simple output (DeviceTrace only)</p> <p>2: Simple + nozzle output</p> <p>3: Standard output (reference designator)</p> <p>4: Full output</p>
FlexibleProductOptions		NUMBER	4	1	<p>This sets the machine additional production function.</p> <p>0: Normal</p> <p>1: Dynamic Alternate Feeder ON (Searches for removable feeders.)</p> <p>2: Dynamic Alternate Feeder OFF (No search performed for removable feeders.)</p> <p>3: Dynamic Alternate Feeder ON (searches for removable feeders) and splicing.</p> <p>4: Dynamic Alternate Feeder ON (No search performed for removable feeders) and splicing.</p>
TrayVerification		NUMBER	4	0	<p>Sets whether the modules on this machine use tray verification.</p> <p>0: Tray Verify function not used.</p> <p>1: Use Tray Verify function without DID.</p> <p>2: Use Tray Verify function with position check.</p> <p>3: Use Tray Verify function with DID.</p>
FeederUpDateOption		NUMBER	4	0	<p>Sets whether to update the feeders on this machine.</p> <p>0: OFF (Not used)</p> <p>1: ON (Used)</p>
CameraOption		NUMBER	4	0	<p>Specifies whether panel ID reading is to be carried out at the machine.</p> <p>0: OFF [Do not perform reading or FLP]</p> <p>1: ON [LMark or No ID profiler]</p> <p>NXT/AIM/AIMEX/XPF/CP-7/CP-8/QP-3 only</p>
ProductionTimeForLine		NUMBER	4	0	<p>Sets the units for production cycle time.</p> <p>0: Calculates thru-put by machine.</p> <p>1: Calculates approximate line thru-put.</p>
SplicingWarningSetting		NUMBER	4	0	<p>Sets whether splicing warning by tape length is enabled or not.</p> <p>(Supported for NXT/ AIM/AIMEX only)</p> <p>0: Warning function is off</p>

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					1:Warning function is on 2: Warning function + splicing limit (not yet supported)
DynamicAllocationMode		NUMBER	4	0	Specifies whether to use the Dynamic Allocation Function. 0: Not used 1: Used
ConveyorUnitCount		NUMBER	2	0	Specifies the number of conveyor units that exist between the panel ID reader and the first placement module. This value is set to 0 for all machines other than NXT/AIM/AIMEX. 0: No conveyor units (Default) 1~10: Conveyor unit quantity
GROUPDEVICE		NUMBER	2	0	Not currently used.
PartsNaviTime		NUMBER	9	0	Specifies the reference time (unit: sec) for checkout navigation. When this item is set to 0, checkout navigation times are not monitored.
SPLICENGCOND		NUMBER	2	0	Not currently used.
AIMEXVersion		NUMBER	4	0 1	New or old AIMEX version (new is V2.00 or later) 0: Old version 1: New version
JobSideOnly		NUMBER	4	0	Sets whether free allocation/dynamic allocation straddling both sides of the XPF is enabled or not.
UseQualityControl		NUMBER	4	0	Not currently used
CheckInMachineName		VARCHAR 2	64	Null	Not currently used.
CheckInSide		NUMBER	4	0	Not currently used.
CheckInModule		NUMBER	4	0	Not currently used.
FdOpeJobSpec		NUMBER	4	0	Feeder operation job specification Setting list / range 0: Use feeders set on the machine 1: According to job settings
ELFName		VARCHAR 2	64	Null	Not currently used
IRCName		VARCHAR 2	64	Null	Not currently used
ELFSharedFolder		VARCHAR 2	255	Null	Not currently used
UseGem		NUMBER	4	0	Specifies whether to use SECS/GEM for communication with the user host. 0: Do not use 1: Use Supported machines: NXT/AIMEX/NXT-H

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Row Name	PK	Data Type	Max. Length	Default	Explanation
MODELNAME		VARCHAR 2	64	Null	Machine model name
PRODUCTIONMODE		NUMBER	1	0	Production mode 0: Normal 1: Multi
SHUTTLECONVEYORMODE		NUMBER	1	0	Specifies the conveyance method for the shuttle conveyor for the next stage after NXTP. 0: None (default setting) 1: Straight 2: Cross 3: Split 4: Converging 5: Variable split 6: Variable converging (Variable Converging)
CONNECTIONNUMBER		NUMBER	1	0	Specifies the connection number for the NXTP from 1 to 4.
CONNECTIONNAME		VARCHAR 2	64	Null	Specifies the name used to recognize what kind of machine the NXTP printer or other machine is connected to. Note: It is possible to be blank, and this is treated the same connected machine.
SHELFINDEX		NUMBER	4	0	Indicates how shelves are arranged in the same area by a number.

ModuleConfig [For Backup]

V/(P)/S

The base module configuration for a new machine is saved in the ModuleConfig table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
McID	O	NUMBER	4		This is a unique integer used to identify the machine.
BaseName	O	VARCHAR 2	64		Base name
PhysicalModuleNo	O	NUMBER	4		Physical number of the module
LogicalModuleNo		NUMBER	4		Logical number of the module
ModuleType		NUMBER	4	0	Module type
ModuleID		VARCHAR 2	32	Null	This is a unique character string used to identify the module.
UnitOpSide1		NUMBER	4	0	Not used
UnitOpSide2		NUMBER	4	0	Not used
TrayVerification		NUMBER	4	0	Specifies whether the modules on this machine use tray unit-L verification. 0: The tray unit-L verify function is not used.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					1: Use the tray unit-L verify function without DID. 2: Use the tray unit-L verify function with position check. 3: Use the tray unit-L verify function with DID.
TrayMVerification		NUMBER	4	0	Specifies whether the modules on this machine use Tray unit-M verification. 0: The tray unit-M verify function is not used. 1: Use the tray unit-M verify function without DID. 2: This setting is not used. 3: Use the tray unit-M verify function with DID.
TrayFeederVerification		NUMBER	4	0	Specifies whether the modules on this machine use tray feeder verification. 0: The tray feeder verify function is not used. 1: Use tray feeder verify function without DID. 2: This setting is not used. 3: Use tray feeder verify function with DID.
TrayLTVerification		NUMBER	4	0	Specifies whether the modules on this machine use tray unit-LT verification. 0: The tray unit-LT verify function is not used. 1: Use tray unit-LT verify function without DID. 2: Use tray unit-LT verify function with position check. 3: Use tray unit-LT verify function with DID.
MWUVerification		NUMBER	4	0	Not currently used.
TrayLTCVerification		NUMBER	4	0	Specifies whether the modules on this machine use tray unit-LTC verification. 0: The tray unit-LTC verify function is not used. 1: Use tray unit-LTC verify function without DID. 2: Use tray unit-LTC verify function with position check. 3: Use tray unit-LTC verify function with DID.
TrayFeederSVerification		NUMBER	4	0	Not currently used.
ModuleNo		NUMBER	4	Null	Not currently used.
FSSMAXSTAGE		NUMBER	4	Null	How many stages exist for one module FSS (feeder stock station). Added to support CH.
TrayITSVerification		NUMBER	4	0	Specifies the verification method for inner

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					<p>trays. The operation changes based on this value.</p> <p>Setting list / range</p> <p>0: Do not verify trays</p> <p>1: Simple tray verification without using DIDs</p> <p>3: Simple tray verification when using DIDs</p>
TRAYXLVERIFICATION		NUMBER	4	0	<p>Specifies the verification method for the sFAB tray unit-XL. The operation changes based on this value.</p> <p>0: Do not verify trays</p> <p>1: Simple tray verification without using DIDs</p> <p>2: Verify trays with a position check</p> <p>3: Simple tray verification when using DIDs</p>

MatHistory

V

The maintenance history is saved in the MatHistory table.

Row Name	P K	Data Type	Max. Length	Default	Explanation
TimeStamp		DATE		Compulsory	Record acquisition date
EquipID		VARCHAR2	64	Compulsory	The equipment is identified using a unique ID (FIDL etc.)
ObjectID		NUMBER	4	Compulsory	ID used to indicate the equipment type 1: Feeder
AlarmID		NUMBER	9	Compulsory	ID used to indicate the maintenance notification type 1: Error count (Num of Errors) 2: Error rate (Rate of Error) 3: Placement count (Num of Usage) 4: Expiration date(Out of Date) 5: Maintenance count (Num of Maintenances)
CauseID		NUMBER	4	Compulsory	A unique ID is used to identify the details of the cause of maintenance.
MeasureID		NUMBER	4	Compulsory	A unique ID is used to identify the details of the maintenance performed.
Errors		NUMBER	9	Null	Error count at the time that maintenance is performed.
ErrorRate		NUMBER	9	Null	Error rate at the time that maintenance is performed. Saved as error rate (%) * 10 for versions prior to V4.30.

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Row Name	P K	Data Type	Max. Length	Default	Explanation
					Saved as error rate (%) * 1000 for versions V4.30 and higher.
UsageCount		NUMBER	9	Null	Placement count at the time that maintenance is performed.
PassageDays		NUMBER	9	Null	Expiration date at the time that maintenance is performed.
OperatorName		VARCHAR2	64	Null	The name of the operator performing maintenance.
McID		NUMBER	4	Null	The ID used for the machine on which maintenance is performed.
StageNo		NUMBER	4	Null	The number for the stage used at the time that maintenance is performed. Set the value below for a new machine. Module no. x 100 + stage no.
GroupKey		NUMBER	4	Null	The group name used at the time that maintenance is performed.
Class		NUMBER	4	Null	The class used at the time that maintenance is performed.
SlotNo		NUMBER	4	Null	The slot number used at the time that maintenance is performed.
SubSlotNo		NUMBER	4	Null	The sub slot number used at the time that maintenance is performed.
Location		VARCHAR2	32	Null	The shelf number for the feeder at the time that maintenance is performed.
MEMO		VARCHAR2	255	Null	Records memo when performing maintenance.
PASSAGERTIME		NUMBER	12	0	Operating time of feeders at the time that maintenance is performed [sec].
TestResult		NUMBER	4	-1	Inspection result OK: 1, NG: 0 Added after PASSAGERTIME
TorqueTestResult		NUMBER	4	-1	Torque results OK: 1, NG: 0
ReferenceMarkReadingResult		NUMBER	4	-1	Mark reading results OK: 1, NG: 0
StoppingAccuracyMesResult		NUMBER	4	-1	Stopping accuracy results OK: 1, NG: 0
StoppingAccuracy		NUMBER	9	0	Stopping accuracy -3000000 to 3000000 nm
MaintenanceStart		DATE		None	Maintenance start time
MaintenanceEnd		DATE		None	Maintenance end time
BacklashInspection		NUMBER	4	-1	Back lash results
SplicingInspection		NUMBER	4	-1	Splicing results
IndexHolePosition		NUMBER	4	-1	Index hole position results

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Row Name	P K	Data Type	Max. Length	Default	Explanation
nInspection					
IndexErrorInspec tion		NUMBER	4	-1	Index error results
IndexMeasureVa lueInspectionX		NUMBER	4	-1	Index measure value X results
IndexMeasureVa lueInspectionY		NUMBER	4	-1	Index measure value Y results
IndexOffsetValue Inspection		NUMBER	4	-1	Index offset value X results
MinXIndexMeas urementValue		NUMBER	9	0	MinX Index measure value
MaxXIndexMeas urementValue		NUMBER	9	0	MaxX Index measure value
MinYIndexMeas urementValue		NUMBER	9	0	MinY Index measure value
MaxYIndexMeas urementValue		NUMBER	9	0	MaxY Index measure value
MinIndexOffsetV alue		NUMBER	9	0	Min Index offset value
MaxIndexOffset Value		NUMBER	9	0	Max Index offset value
TQMEASURES MRWASHBEF		NUMBER	9	0	SM_R torque measurement before cleaning 0 to 65535 (N.m *10^-5)
TQMEASURES MRWASHAFT		NUMBER	9	0	SM_R torque measurement after cleaning 0 to 65535 (N.m *10^-5)
TQMEASURES MLWASHBEF		NUMBER	9	0	SM_L torque measurement before cleaning 0 to 65535 (N.m *10^-5)
TQMEASURES MLWASHAFT		NUMBER	9	0	SM_L torque measurement after cleaning 0 to 65535 (N.m *10^-5)
TQMEASURES MRWASHBEFM AV		NUMBER	9	0	SM_R torque measurement before cleaning Maximum - average 0 to 65535 (N.m *10^-5)
TQMEASURES MRWASHAFTM AV		NUMBER	9	0	SM_R torque measurement after cleaning Maximum - average 0 to 65535 (N.m *10^-5)
TQMEASURES MLWASHBEFM AV		NUMBER	9	0	SM_L torque measurement before cleaning Maximum - average 0 to 65535 (N.m *10^-5)
TQMEASURES MLWASHAFTM AV		NUMBER	9	0	SM_L torque measurement after cleaning Maximum - average 0 to 65535 (N.m *10^-5)
TQMEASURES MRWASHBEFU PRLIMTHR		NUMBER	9	0	SM_R torque measurement upper threshold value before cleaning 0 to 65535 (N.m *10^-5)
TQMEASURES MRWASHAFTU		NUMBER	9	0	SM_R torque measurement upper threshold value after cleaning

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Row Name	P K	Data Type	Max. Length	Default	Explanation
PRLIMTHR					0 to 65535 (N.m *10^-5)
TQMEASURES MLWASHBEFUP RLIMTHR		NUMBER	9	0	SM_L torque measurement upper threshold value before cleaning 0 to 65535 (N.m *10^-5)
TQMEASURES MLWASHAFTUP RLIMTHR		NUMBER	9	0	SM_L torque measurement upper threshold value after cleaning 0 to 65535 (N.m *10^-5)
TQMEASURES MRWASHBEFL OWLIMTHR		NUMBER	9	0	SM_R torque measurement lower threshold value before cleaning 0 to 65535 (N.m *10^-5)
TQMEASURES MRWASHAFTL OWLIMTHR		NUMBER	9	0	SM_R torque measurement lower threshold value after cleaning 0 to 65535 (N.m *10^-5)
TQMEASURES MLWASHBEFLO WLIMTHR		NUMBER	9	0	SM_L torque measurement lower threshold value before cleaning 0 to 65535 (N.m *10^-5)
TQMEASURES MLWASHAFTLO WLIMTHR		NUMBER	9	0	SM_L torque measurement lower threshold value after cleaning 0 to 65535 (N.m *10^-5).
TQDEVIATIONS MRWASHBEF		NUMBER	9	0	SM_R torque deviation threshold value before cleaning 0 to 65535 (N.m *10^-5)
TQDEVIATIONS MRWASHAFT		NUMBER	9	0	SM_R torque deviation threshold value after cleaning 0 to 65535 (N.m *10^-5)
TQDEVIATIONS MLWASHBEF		NUMBER	9	0	SM_L torque deviation threshold value before cleaning 0 to 65535 (N.m *10^-5)
TQDEVIATIONS MLWASHAFT		NUMBER	9	0	SM_L torque deviation threshold value after cleaning 0 to 65535 (N.m *10^-5)
BLIMEASURE0 DEG		NUMBER	9	0	Backlash inspection 0 degree measurement value 0 to 65535 (N.m *10^-5)
BLIMEASURE12 0DEG		NUMBER	9	0	Backlash inspection 120 degree measurement value 0 to 65535 (N.m *10^-5)
BLIMEASURE24 0DEG		NUMBER	9	0	Backlash inspection 240 degree measurement value 0 to 65535 (N.m *10^-5)
BLIMEASUREU PRLIMTHR		NUMBER	9	0	Backlash inspection measurement upper threshold value 0 to 65535
FIDUMARKPOS XTHR		NUMBER	9	0	Fiducial mark position X accuracy -8000 to 8000 (um)
FIDUMARKPOS YTHR		NUMBER	9	0	Fiducial mark position Y accuracy -8000 to 8000 (um)

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Row Name	PK	Data Type	Max. Length	Default	Explanation
FIDUMARKPOS ACCURACYTH R		NUMBER	9	0	Fiducial mark position accuracy threshold -8000 to 8000 (um)
IDXHOLEPOSA CCURACY		NUMBER	9	0	Index hole position accuracy -8000 to 8000 (um)
IDXHOLEPOSA CCURACYTHR		NUMBER	9	0	Index hole position accuracy threshold -8000 to 8000 (um)
STOPACCURAC YTHR		NUMBER	9	0	Stopping accuracy threshold -8000 to 8000 (um)
INDEXMEASUR EVALUETHR		NUMBER	9	0	Index measurement value X threshold -8000 to 8000 (um)
INDEXMEASUR EVALUEYTHR		NUMBER	9	0	Index measurement value Y threshold -8000 to 8000 (um)
INDEXOFFSET VALUETHR		NUMBER	9	0	Indexing offset value threshold -8000 to 8000 (um)

MatHistoryPic_Nzl

V

The picture of the nozzle when nozzle maintenance or repairing is performed is saved in the MatHistoryPic_Nzl table.

Row name	PK	Data type	Max length	Default	Explanation
PicID	Yes	NUMBER	9	1	A unique ID which indicates maintenance details. User definitions are possible.
FILENAME		VARCHAR2	64	Null	File name such as Koala.jpg
PicData		BLOB			Data

MatHistory_Head

V

The head maintenance history is saved in the MatHistory_Head table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
TimeStamp		DATE		None	Record acquisition date
EquipID		VARCHAR2	64	None	Head unique ID (required)
ObjectID		NUMBER	4	None	ID used to indicate the equipment type 3: Head (fixed)
AlarmID		NUMBER	9	None	ID used to indicate the maintenance notification type (required) Bit0: For "and" is OFF. For "or" is ON Bit1: Error count condition on or off Bit2: Error rate condition on or off Bit3: Placement count condition on or off

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					Bit4: Elapsed days condition on or off Bit5: Maintenance count condition on or off
CauseID		NUMBER	4	None	A unique ID is used to identify the details of the cause of maintenance. CauseID is registered in MatCauseMaster_Head table.
MeasureID		NUMBER	4	None	A unique ID is used to identify the details of the maintenance performed. MeasureID is registered in MatCauseMaster_Head table.
Errors		NUMBER	9	Null	Error count at the time that maintenance is performed.
ErrorRate		NUMBER	9	Null	Error rate at the time that maintenance is performed. Saved as error rate (%) * 10 for versions prior to V4.30. Saved as error rate (%) * 1000 for versions V4.30 and higher.
PlaceCount		NUMBER	10	Null	Placement count at the time that maintenance is performed.
PassageRate		NUMBER	9	Null	The passage rate at the time that maintenance is performed. Saved as passage rate (%) x 1000 (Not currently used)
PassageDays		NUMBER	9	Null	Number of days since last mainentance at the time that maintenance is performed.
OperatorName		VARCHAR2	64	Null	The name of the operator performing maintenance.
McID		NUMBER	4	Null	The ID used for the machine on which maintenance is performed.
ModuleNo		NUMBER	4	Null	The number for the module used at the time that maintenance is performed.
HeadNo		NUMBER	4	Null	The head number used at the time that maintenance is performed.
HeadName		VARCHAR2	32	Null	The head name at the time that maintenance is performed.
Location		VARCHAR2	32	Null	The position at the time that maintenance is performed.
MEMO		VARCHAR2	255	Null	Records memo when performing maintenance.
PASSAGERTIME		NUMBER	12	0	Operating time of feeders at the time that maintenance is performed [sec].
HeadTestResult		NUMBER	4	-1	Head results OK: 1, NG: 0 Added after PASSAGERTIME
PressureTestResult		NUMBER	4	-1	Pressure results OK: 1, NG: 0

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Row Name	PK	Data Type	Max. Length	Default	Explanation
TravelTimeTestResult		NUMBER	4	-1	Movement time results OK: 1, NG: 0
MeasurementResultHolder1		NUMBER	4	-1	Measurement results for the holder 1 OK: 1, NG: 0, Not measured: -1
MeasurementResultHolder2		NUMBER	4	-1	Measurement results for the holder 2
MeasurementResultHolder3		NUMBER	4	-1	Measurement results for the holder 3
MeasurementResultHolder4		NUMBER	4	-1	Measurement results for the holder 4
MeasurementResultHolder5		NUMBER	4	-1	Measurement results for the holder 5
MeasurementResultHolder6		NUMBER	4	-1	Measurement results for the holder 6
MeasurementResultHolder7		NUMBER	4	-1	Measurement results for the holder 7
MeasurementResultHolder8		NUMBER	4	-1	Measurement results for the holder 8
MeasurementResultHolder9		NUMBER	4	-1	Measurement results for the holder 9
MeasurementResultHolder10		NUMBER	4	-1	Measurement results for the holder 10
MeasurementResultHolder11		NUMBER	4	-1	Measurement results for the holder 11
MeasurementResultHolder12		NUMBER	4	-1	Measurement results for the holder 12
MeasurementResultHolder13		NUMBER	4	-1	Measurement results for the holder 13
MeasurementResultHolder14		NUMBER	4	-1	Measurement results for the holder 14
MeasurementResultHolder15		NUMBER	4	-1	Measurement results for the holder 15
MeasurementResultHolder16		NUMBER	4	-1	Measurement results for the holder 16
MeasurementResultHolder17		NUMBER	4	-1	Measurement results for the holder 17
MeasurementResultHolder18		NUMBER	4	-1	Measurement results for the holder 18
MeasurementResultHolder19		NUMBER	4	-1	Measurement results for the holder 19
MeasurementResultHolder20		NUMBER	4	-1	Measurement results for the holder 20
MeasurementResultHolder21		NUMBER	4	-1	Measurement results for the holder 21
MeasurementResultHolder22		NUMBER	4	-1	Measurement results for the holder 22
MeasurementResultHolder23		NUMBER	4	-1	Measurement results for the holder 23

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Row Name	PK	Data Type	Max. Length	Default	Explanation
MeasurementResultHolder24		NUMBER	4	-1	Measurement results for the holder 24
AirFlowHolder1		NUMBER	9	0	Air flow for the holder 1 0 to 99990 mL/min
AirFlowHolder2		NUMBER	9	0	Air flow for the holder 2
AirFlowHolder3		NUMBER	9	0	Air flow for the holder 3
AirFlowHolder4		NUMBER	9	0	Air flow for the holder 4
AirFlowHolder5		NUMBER	9	0	Air flow for the holder 5
AirFlowHolder6		NUMBER	9	0	Air flow for the holder 6
AirFlowHolder7		NUMBER	9	0	Air flow for the holder 7
AirFlowHolder8		NUMBER	9	0	Air flow for the holder 8
AirFlowHolder9		NUMBER	9	0	Air flow for the holder 9
AirFlowHolder10		NUMBER	9	0	Air flow for the holder 10
AirFlowHolder11		NUMBER	9	0	Air flow for the holder 11
AirFlowHolder12		NUMBER	9	0	Air flow for the holder 12
AirFlowHolder13		NUMBER	9	0	Air flow for the holder 13
AirFlowHolder14		NUMBER	9	0	Air flow for the holder 14
AirFlowHolder15		NUMBER	9	0	Air flow for the holder 15
AirFlowHolder16		NUMBER	9	0	Air flow for the holder 16
AirFlowHolder17		NUMBER	9	0	Air flow for the holder 17
AirFlowHolder18		NUMBER	9	0	Air flow for the holder 18
AirFlowHolder19		NUMBER	9	0	Air flow for the holder 19
AirFlowHolder20		NUMBER	9	0	Air flow for the holder 20
AirFlowHolder21		NUMBER	9	0	Air flow for the holder 21
AirFlowHolder22		NUMBER	9	0	Air flow for the holder 22
AirFlowHolder23		NUMBER	9	0	Air flow for the holder 23
AirFlowHolder24		NUMBER	9	0	Air flow for the holder 24
AirFlowUValueHolder1		NUMBER	9	0	Air flow upper value for the holder 1 0 to 99990 mL/min
AirFlowUValueHolder2		NUMBER	9	0	Air flow upper value for the holder 2
AirFlowUValueHolder3		NUMBER	9	0	Air flow upper value for the holder 3
AirFlowUValueHolder4		NUMBER	9	0	Air flow upper value for the holder 4
AirFlowUValueHolder5		NUMBER	9	0	Air flow upper value for the holder 5
AirFlowUValueHolder6		NUMBER	9	0	Air flow upper value for the holder 6
AirFlowUValueHolder7		NUMBER	9	0	Air flow upper value for the holder 7
AirFlowUValueHolder8		NUMBER	9	0	Air flow upper value for the holder 8
AirFlowUValueHolder9		NUMBER	9	0	Air flow upper value for the holder 9

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Row Name	PK	Data Type	Max. Length	Default	Explanation
AirFlowUValueHolder10		NUMBER	9	0	Air flow upper value for the holder 10
AirFlowUValueHolder11		NUMBER	9	0	Air flow upper value for the holder 11
AirFlowUValueHolder12		NUMBER	9	0	Air flow upper value for the holder 12
AirFlowUValueHolder13		NUMBER	9	0	Air flow upper value for the holder 13
AirFlowUValueHolder14		NUMBER	9	0	Air flow upper value for the holder 14
AirFlowUValueHolder15		NUMBER	9	0	Air flow upper value for the holder 15
AirFlowUValueHolder16		NUMBER	9	0	Air flow upper value for the holder 16
AirFlowUValueHolder17		NUMBER	9	0	Air flow upper value for the holder 17
AirFlowUValueHolder18		NUMBER	9	0	Air flow upper value for the holder 18
AirFlowUValueHolder19		NUMBER	9	0	Air flow upper value for the holder 19
AirFlowUValueHolder20		NUMBER	9	0	Air flow upper value for the holder 20
AirFlowUValueHolder21		NUMBER	9	0	Air flow upper value for the holder 21
AirFlowUValueHolder22		NUMBER	9	0	Air flow upper value for the holder 22
AirFlowUValueHolder23		NUMBER	9	0	Air flow upper value for the holder 23
AirFlowUValueHolder24		NUMBER	9	0	Air flow upper value for the holder 24
AirFlowLValueHolder1		NUMBER	9	0	Air flow lower value for the holder 1 0 to 99990 mL/min
AirFlowLValueHolder2		NUMBER	9	0	Air flow lower value for the holder 2
AirFlowLValueHolder3		NUMBER	9	0	Air flow lower value for the holder 3
AirFlowLValueHolder4		NUMBER	9	0	Air flow lower value for the holder 4
AirFlowLValueHolder5		NUMBER	9	0	Air flow lower value for the holder 5
AirFlowLValueHolder6		NUMBER	9	0	Air flow lower value for the holder 6
AirFlowLValueHolder7		NUMBER	9	0	Air flow lower value for the holder 7
AirFlowLValueHolder8		NUMBER	9	0	Air flow lower value for the holder 8
AirFlowLValueHolder9		NUMBER	9	0	Air flow lower value for the holder 9

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Row Name	PK	Data Type	Max. Length	Default	Explanation
AirFlowLValueHolder10		NUMBER	9	0	Air flow lower value for the holder 10
AirFlowLValueHolder11		NUMBER	9	0	Air flow lower value for the holder 11
AirFlowLValueHolder12		NUMBER	9	0	Air flow lower value for the holder 12
AirFlowLValueHolder13		NUMBER	9	0	Air flow lower value for the holder 13
AirFlowLValueHolder14		NUMBER	9	0	Air flow lower value for the holder 14
AirFlowLValueHolder15		NUMBER	9	0	Air flow lower value for the holder 15
AirFlowLValueHolder16		NUMBER	9	0	Air flow lower value for the holder 16
AirFlowLValueHolder17		NUMBER	9	0	Air flow lower value for the holder 17
AirFlowLValueHolder18		NUMBER	9	0	Air flow lower value for the holder 18
AirFlowLValueHolder19		NUMBER	9	0	Air flow lower value for the holder 19
AirFlowLValueHolder20		NUMBER	9	0	Air flow lower value for the holder 20
AirFlowLValueHolder21		NUMBER	9	0	Air flow lower value for the holder 21
AirFlowLValueHolder22		NUMBER	9	0	Air flow lower value for the holder 22
AirFlowLValueHolder23		NUMBER	9	0	Air flow lower value for the holder 23
AirFlowLValueHolder24		NUMBER	9	0	Air flow lower value for the holder 24
MaintenanceStart		DATE		None	Maintenance start time
MaintenanceEnd		DATE		None	Maintenance end time
HeadOperatingHours		NUMBER	9	0	Explanation Head operating hours
VacuumBreakPressureUpperLimit		NUMBER	9	0	Explanation Vacuum break path pressure upper limit value
VacuumBreakPressureLowerLimit		NUMBER	9	0	Explanation Vacuum break path pressure lower limit value
VacuumBreakFlowUpperLimit		NUMBER	9	0	Explanation Vacuum break path flow rate upper limit value
VacuumBreakFlowLowerLimit		NUMBER	9	0	Explanation Vacuum break path flow rate lower limit value
PickupPressureU		NUMBER	9	0	Explanation

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Row Name	PK	Data Type	Max. Length	Default	Explanation
pperLimit					Pickup path pressure upper limit value
PickupPressureLowerLimit		NUMBER	9	0	Explanation Pickup path pressure lower limit value
PickupFlowUpperLimit		NUMBER	9	0	Explanation Pickup path flow rate upper limit value
PickupFlowLowerLimit		NUMBER	9	0	Explanation Pickup path flow rate lower limit value
CleaningPressureUpperLimit		NUMBER	9	0	Explanation Cleaning path pressure upper limit value
CleaningPressureLowerLimit		NUMBER	9	0	Explanation Cleaning path pressure lower limit value
CleaningFlowUpperLimit		NUMBER	9	0	Explanation Cleaning path flow rate upper limit value
CleaningFlowLowerLimit		NUMBER	9	0	Explanation Cleaning path flow rate lower limit value
NzlVacuumBreakPressUpperLimit		NUMBER	9	0	Explanation Nozzle vacuum break path pressure upper limit value
NzlVacuumBreakPressLowerLimit		NUMBER	9	0	Explanation Nozzle vacuum break path pressure lower limit value
NzlVacuumBreakFlowUpperLimit		NUMBER	9	0	Explanation Nozzle vacuum break path flow rate upper limit value
NzlVacuumBreakFlowLowerLimit		NUMBER	9	0	Explanation Nozzle vacuum break path flow rate lower limit value
NzlPickupPressureUpperLimit		NUMBER	9	0	Explanation Nozzle pickup path pressure upper limit value
NzlPickupPressureLowerLimit		NUMBER	9	0	Explanation Nozzle pickup path pressure lower limit value
NzlPickupFlowUpperLimit		NUMBER	9	0	Explanation Nozzle pickup path flow rate upper limit value
NzlPickupFlowLowerLimit		NUMBER	9	0	Explanation Nozzle pickup path flow rate lower limit value
Z1TouchdownCheckResult		NUMBER	1	0	Explanation Z1-axis touchdown inspection measurement result -1: Not inspected 0:NG 1:OK

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Row Name	PK	Data Type	Max. Length	Default	Explanation
RMoveTimeMeasurement		NUMBER	9	0	Explanation R-axis movement time measurement value
RMoveTimeResult		NUMBER	1	0	Explanation R-axis movement time decided result -1: Not inspected 0:NG 1:OK
RApproachCheck		NUMBER	9	0	Explanation R-axis approach inspection measurement value
RApproachCheckResult		NUMBER	1	0	Explanation R-axis approach inspection decided result -1: Not inspected 0:NG 1:OK
RTorqueSingleOp10Peak		NUMBER	9	0	Explanation R-axis axis torque measurement single action 10% peak measurement value
RTorqueSingleOp10PeakTolerance		NUMBER	9	0	Explanation R-axis axis torque measurement single action 10% peak tolerance value
RTorqueSingleOp10PeakResult		NUMBER	1	0	Explanation R-axis axis torque measurement single action 10% peak decided result -1: Not inspected 0:NG 1:OK
RTorqueSingleOp10Friction		NUMBER	9	0	Explanation R-axis axis torque measurement single action 10% friction measurement value
RTorqueSingleOp10FrictionTol		NUMBER	9	0	Explanation R-axis axis torque measurement single action 10% friction tolerance value
RTorqueSingOp10FrictionResult		NUMBER	1	0	Explanation R-axis axis torque measurement single action 10% friction decided result -1: Not inspected 0:NG 1:OK
RTorqueSingleOp50Peak		NUMBER	9	0	Explanation R-axis axis torque measurement single action 50% peak measurement value
RTorqueSingleOp50PeakTolerance		NUMBER	9	0	Explanation R-axis axis torque measurement single action 50% peak tolerance value
RTorqueSingleOp		NUMBER	1	0	Explanation

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Row Name	PK	Data Type	Max. Length	Default	Explanation
50PeakResult					R-axis axis torque measurement single action 50% peak decided result -1: Not inspected 0:NG 1:OK
RTorqueSingleOp50Friction		NUMBER	9	0	Explanation R-axis axis torque measurement single action 50% friction measurement value
RTorqueSingleOp50FrictionTol		NUMBER	9	0	Explanation R-axis axis torque measurement single action 50% friction tolerance value
RTorqueSingOp50FrictionResult		NUMBER	1	0	Explanation R-axis axis torque measurement single action 50% friction decided result -1: Not inspected 0:NG 1:OK
RTorqueSingleOp100Peak		NUMBER	9	0	Explanation R-axis axis torque measurement single action 100% peak measurement value
RTorqueSingOp100PeakTolerance		NUMBER	9	0	Explanation R-axis axis torque measurement single action 100% peak tolerance value
RTorqueSingleOp100PeakResult		NUMBER	1	0	Explanation R-axis axis torque measurement single action 100% peak decided result -1: Not inspected 0:NG 1:OK
RTorqueSingleOp100Friction		NUMBER	9	0	Explanation R-axis axis torque measurement single action 100% friction measurement value
RTorqueSingleOp100FrictionTol		NUMBER	9	0	Explanation R-axis axis torque measurement single action 100% friction tolerance value
RTorqueSingOp100FrictionResult		NUMBER	1	0	Explanation R-axis axis torque measurement single action 100% friction decided result -1: Not inspected 0:NG 1:OK
RTorqueSync10Friction		NUMBER	9	0	Explanation R-axis axis torque measurement synchronization 10% friction measurement value
RTorqueSync10F		NUMBER	9	0	Explanation

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Row Name	PK	Data Type	Max. Length	Default	Explanation
rictionTolerance					R-axis axis torque measurement synchronization 10% friction tolerance value
RTorqueSync10FrictionResult		NUMBER	1	0	Explanation R-axis axis torque measurement synchronization 10% friction decided result -1: Not inspected 0:NG 1:OK
RTorqueSync50Friction		NUMBER	9	0	Explanation R-axis axis torque measurement synchronization 50% friction measurement value
RTorqueSync50FrictionTolerance		NUMBER	9	0	Explanation R-axis axis torque measurement synchronization 50% friction tolerance value
RTorqueSync50FrictionResult		NUMBER	1	0	Explanation R-axis axis torque measurement synchronization 50% friction decided result -1: Not inspected 0:NG 1:OK
RTorqueSync100Friction		NUMBER	9	0	Explanation R-axis axis torque measurement synchronization 100% friction measurement value
RTorqueSync100FrictionTolerance		NUMBER	9	0	Explanation R-axis axis torque measurement synchronization 100% friction tolerance value
RTorqueSync100FrictionResult		NUMBER	1	0	Explanation R-axis axis torque measurement synchronization 100% friction decided result -1: Not inspected 0:NG 1:OK
SensorCheckResult		NUMBER	1	0	Explanation Sensor in the head inspection measurement result -1: Not inspected 0:NG 1:OK
PickupUpsidePressureUpperLimit		NUMBER	9	0	Explanation Pickup path upper side pressure upper limit value
PickupUpsidePressureLowerLimit		NUMBER	9	0	Explanation Pickup path upper side pressure lower limit value

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Row Name	PK	Data Type	Max. Length	Default	Explanation
PickupUpsideFlowUpperLimit		NUMBER	9	0	Explanation Pickup path upper side flow rate upper limit value
PickupUpsideFlowLowerLimit		NUMBER	9	0	Explanation Pickup path upper side flow rate lower limit value
PartSucValveLPi_cPressUpLimit		NUMBER	9	0	Part pickup valve (large) pickup path lower side pressure upper limit value
PartSucValveLPi_cPressLowLimit		NUMBER	9	0	Part pickup valve (large) pickup path lower side pressure lower limit value
PartSucValveLPi_cFlowUpLimit		NUMBER	9	0	Part pickup valve (large) pickup path lower side flow amount upper limit value
PartSucValveLPi_cFlowLowLimit		NUMBER	9	0	Part pickup valve (large) pickup path lower side flow amount lower limit value
PartSucValveLPi_cPressMeasure		NUMBER	9	0	Part pickup valve (large) pickup path lower side pressure holder A measured value
PartSucValveLPi_cPressResult		NUMBER	1	0	Part pickup valve (large) pickup path lower side pressure holder A inspection result -1: Not inspected 0: Fail 1: OK
PartSucValveLPi_cFlowMeasure		NUMBER	9	0	Part pickup valve (large) pickup path lower side flow amount holder A measured value
PartSucValveLPi_cFlowResult		NUMBER	1	0	Part pickup valve (large) pickup path lower side flow amount holder A inspection result -1: Not inspected 0: Fail 1: OK

MatHistory_HeadSub

V

Saves head maintenance history (additional inspection items) in the MatHistory_HeadSub table.

Row name	PK	Data type	Max. length	Default	Explanation
TimeStamp		DATE		None	Date and time that the history was registered (cannot omit).
EquipID		VARCHAR2	64	None	Serial number of head (cannot omit).
HolderNumber		NUMBER	4	0	Explanation Holder information Related to Z axis: 1 = holder A to 20 = holder T Related to Q axis : 1 = Q1, 2 = Q2

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Row name	PK	Data type	Max. length	Default	Explanation
VacuumBreakPressureMeasurement		NUMBER	9	0	Vacuum break path pressure measurement value
VacuumBreakPressureResult		NUMBER	1	0	Vacuum break path pressure decided result -1: Not inspected 0:NG 1:OK
VacuumBreakFlowMeasurement		NUMBER	9	0	Vacuum break path flow rate measurement value
VacuumBreakFlowResult		NUMBER	1	0	Vacuum break path flow rate decided result -1: Not inspected 0:NG 1:OK
PickupPressureMeasurement		NUMBER	9	0	Pickup path pressure measurement value
PickupPressureResult		NUMBER	1	0	Pickup path pressure decided result -1: Not inspected 0:NG 1:OK
PickupFlowMeasurement		NUMBER	9	0	Pickup path flow rate measurement value
PickupFlowMeasurement Result		NUMBER	1	0	Pickup path flow rate decided result -1: Not inspected 0:NG 1:OK
CleaningPressureMeasurement		NUMBER	9	0	Cleaning path pressure measurement value
CleaningPressureResult		NUMBER	1	0	Cleaning path pressure decided result -1: Not inspected 0:NG 1:OK
CleaningFlowMeasurement		NUMBER	9	0	Cleaning path flow rate measurement value
CleaningFlowResult		NUMBER	1	0	Cleaning path flow rate decided result -1: Not inspected 0:NG 1:OK
NzlVacuumBreakPresMeasurement		NUMBER	9	0	Nozzle vacuum break path pressure measurement value
NzlVacuumBreakPressureResult		NUMBER	1	0	Nozzle vacuum break path pressure decided result -1: Not inspected 0:NG 1:OK
NzlVacuumBreakFlowMea		NUMBER	9	0	Nozzle vacuum break path flow rate

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Row name	PK	Data type	Max. length	Default	Explanation
surement		R			measurement value
NzlVacuumBreakFlowResult		NUMBER	1	0	Nozzle vacuum break path flow rate decided result -1: Not inspected 0:NG 1:OK
NzlPickupPressureMeasurement		NUMBER	9	0	Nozzle pickup path pressure measurement value
NzlPickupPressureResult		NUMBER	1	0	Nozzle pickup path pressure decided result -1: Not inspected 0:NG 1:OK
NzlPickupFlowMeasurement		NUMBER	9	0	Nozzle pickup path flow rate measurement value
NzlPickupFlowResult		NUMBER	1	0	Nozzle pickup path flow rate decided result -1: Not inspected 0:NG 1:OK
TouchdownCheckResult		NUMBER	9	0	Touchdown inspection measurement result
MechValveCheckResult		NUMBER	1	0	Mechanical valve inspection measurement result
Z1MoveTimeShortLower		NUMBER	9	0	Z1-axis movement time short stroke lower measurement value
Z1MoveTimeShortLowerResult		NUMBER	1	0	Z1-axis movement time short stroke lower decided result -1: Not inspected 0:NG 1:OK
Z1MoveTimeShortRaise		NUMBER	9	0	Z1-axis movement time short stroke upper measurement value
Z1MoveTimeShortRaiseResult		NUMBER	1	0	Z1-axis movement time short stroke upper decided result -1: Not inspected 0:NG 1:OK
Z1MoveTimeLongLower		NUMBER	9	0	Z1-axis movement time long stroke lower measurement value
Z1MoveTimeLongLowerResult		NUMBER	1	0	Z1-axis movement time long stroke lower decided result -1: Not inspected

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Row name	PK	Data type	Max. length	Default	Explanation
					0:NG 1:OK
Z1MoveTimeLongRaise		NUMBER	9	0	Z1-axis movement time long stroke upper measurement value
Z1MoveTimeLongRaiseResult		NUMBER	1	0	Z1-axis movement time long stroke upper decided result -1: Not inspected 0:NG 1:OK
Z2MoveTimeShortLower		NUMBER	9	0	Z2-axis movement time short stroke lower measurement value
Z2MoveTimeShortLowerResult		NUMBER	1	0	Z2-axis movement time short stroke lower decided result -1: Not inspected 0:NG 1:OK
Z2MoveTimeShortRaise		NUMBER	9	0	Z2-axis movement time short stroke upper measurement value
Z2MoveTimeShortRaiseResult		NUMBER	1	0	Z2-axis movement time short stroke upper decided result -1: Not inspected 0:NG 1:OK
Z2MoveTimeLongLower		NUMBER	9	0	Z2-axis movement time long stroke lower measurement value
Z2MoveTimeLongLowerResult		NUMBER	1	0	Z2-axis movement time long stroke lower decided result -1: Not inspected 0:NG 1:OK
Z2MoveTimeLongRaise		NUMBER	9	0	Z2-axis movement time long stroke upper measurement value
Z2MoveTimeLongRaiseResult		NUMBER	1	0	Z2-axis movement time long stroke upper decided result -1: Not inspected 0:NG 1:OK
QMoveTimeShortPRotation		NUMBER	9	0	Q-axis movement time short stroke plus rotation measurement value
QMoveTimeShortPRotResult		NUMBER	1	0	Q-axis movement time short stroke plus rotation decided result -1: Not inspected 0:NG 1:OK
QMoveTimeShortMRotation		NUMBER	9	0	Q-axis movement time short stroke minus rotation measurement value

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Row name	PK	Data type	Max. length	Default	Explanation
QMoveTimeShortMRotResult		NUMBER	1	0	Q-axis movement time short stroke minus rotation decided result -1: Not inspected 0:NG 1:OK
QMoveTimeLongPRotation		NUMBER	9	0	Q-axis movement time long stroke plus rotation measurement value
QMoveTimeLongPProtResult		NUMBER	1	0	Q-axis movement time long stroke plus rotation decided result -1: Not inspected 0:NG 1:OK
QMoveTimeLongMRotation		NUMBER	9	0	Q-axis movement time long stroke minus rotation measurement value
QMoveTimeLongMRotResult		NUMBER	1	0	Q-axis movement time long stroke minus rotation decided result -1: Not inspected 0:NG 1:OK
QApproachCheckShortPRot		NUMBER	9	0	Q-axis approach inspection short stroke plus rotation measurement value
QApproachCheckShortPRotResult		NUMBER	1	0	Q-axis approach inspection short stroke plus rotation decided result -1: Not inspected 0:NG 1:OK
QApproachCheckShortMRot		NUMBER	9	0	Q-axis approach inspection short stroke minus rotation measurement value
QApproachCheckShortMRotResult		NUMBER	1	0	Q-axis approach inspection short stroke minus rotation decided result -1: Not inspected 0:NG 1:OK
QApproachCheckLongPRotation		NUMBER	9	0	Q-axis approach inspection long stroke plus rotation measurement value
QApproachCheckLongPRotResult		NUMBER	1	0	Q-axis approach inspection long stroke plus rotation decided result -1: Not inspected 0:NG 1:OK
QApproachCheckLongMRotation		NUMBER	9	0	Q-axis approach inspection long stroke minus rotation measurement value
QApproachCheckLongMRotResult		NUMBER	1	0	Q-axis approach inspection long stroke minus rotation decided result -1: Not inspected

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Row name	PK	Data type	Max. length	Default	Explanation
					0:NG 1:OK
Z1TorquePeak		NUMBER	9	0	Z1-axis axis torque measurement peak measurement value
Z1TorquePeakTolerance		NUMBER	9	0	Z1-axis axis torque measurement peak tolerance value
Z1TorquePeakResult		NUMBER	1	0	Z1-axis axis torque measurement peak decided result -1: Not inspected 0:NG 1:OK
Z1TorqueFriction		NUMBER	9	0	Z1-axis axis torque measurement friction measurement value
Z1TorqueFrictionTolerance		NUMBER	9	0	Z1-axis axis torque measurement friction tolerance value
Z1TorqueFrictionResult		NUMBER	1	0	Z1-axis axis torque measurement friction decided result -1: Not inspected 0:NG 1:OK
Z2TorquePeak		NUMBER	9	0	Z2-axis axis torque measurement peak measurement value
Z2TorquePeakTolerance		NUMBER	9	0	Z2-axis axis torque measurement peak tolerance value
Z2TorquePeakResult		NUMBER	1	0	Z2-axis axis torque measurement peak decided result -1: Not inspected 0:NG 1:OK
Z2TorqueFriction		NUMBER	9	0	Z2-axis axis torque measurement friction measurement value
Z2TorqueFrictionTolerance		NUMBER	9	0	Z2-axis axis torque measurement friction tolerance value
Z2TorqueFrictionResult		NUMBER	1	0	Z2-axis axis torque measurement friction decided result -1: Not inspected 0:NG 1:OK
QTorqueSingleOp10Peak		NUMBER	9	0	Q-axis axis torque measurement single action 10% peak measurement value
QTorqueSingleOp10Peak Tolerance		NUMBER	9	0	Q-axis axis torque measurement single action 10% peak tolerance value
QTorqueSingleOp10Peak Result		NUMBER	1	0	Q-axis axis torque measurement single action 10% peak decided result

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Row name	PK	Data type	Max. length	Default	Explanation
					-1: Not inspected 0:NG 1:OK
QTorqueSingleOp10Friction		NUMBER	9	0	Q-axis axis torque measurement single action 10% friction measurement value
QTorqueSingleOp10FrictionTol		NUMBER	9	0	Q-axis axis torque measurement single action 10% friction tolerance value
QTorqueSingOp10FrictionResult		NUMBER	1	0	Q-axis axis torque measurement single action 10% friction decided result -1: Not inspected 0:NG 1:OK
QTorqueSingleOp50Peak		NUMBER	9	0	Q-axis axis torque measurement single action 50% peak measurement value
QTorqueSingleOp50PeakTolerance		NUMBER	9	0	Q-axis axis torque measurement single action 50% peak tolerance value
QTorqueSingleOp50PeakResult		NUMBER	1	0	Q-axis axis torque measurement single action 50% peak decided result -1: Not inspected 0:NG 1:OK
QTorqueSingleOp50Friction		NUMBER	9	0	Q-axis axis torque measurement single action 50% friction measurement value
QTorqueSingleOp50FrictionTol		NUMBER	9	0	Q-axis axis torque measurement single action 50% friction tolerance value
QTorqueSingOp50FrictionResult		NUMBER	1	0	Q-axis axis torque measurement single action 50% friction decided result -1: Not inspected 0:NG 1:OK
QTorqueSingleOp100Peak		NUMBER	9	0	Q-axis axis torque measurement single action 100% peak measurement value
QTorqueSingOp100PeakTolerance		NUMBER	9	0	Q-axis axis torque measurement single action 100% peak tolerance value
QTorqueSingleOp100PeakResult		NUMBER	1	0	Q-axis axis torque measurement single action 100% peak decided result -1: Not inspected

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Row name	PK	Data type	Max. length	Default	Explanation
					0:NG 1:OK
QTorqueSingleOp100Friction		NUMBER	9	0	Q-axis axis torque measurement single action 100% friction measurement value
QTorqueSingleOp100FrictionTol		NUMBER	9	0	Q-axis axis torque measurement single action 100% friction tolerance value
QTorqueSingOp100FrictionResult		NUMBER	1	0	Q-axis axis torque measurement single action 100% friction decided result -1: Not inspected 0:NG 1:OK
QTorqueSync10Friction		NUMBER	9	0	Q-axis axis torque measurement synchronization 10% friction measurement value
QTorqueSync10FrictionTolerance		NUMBER	9	0	Q-axis axis torque measurement synchronization 10% friction tolerance value
QTorqueSync10FrictionResult		NUMBER	1	0	Q-axis axis torque measurement synchronization 10% friction decided result -1: Not inspected 0:NG 1:OK
QTorqueSync50Friction		NUMBER	9	0	Q-axis axis torque measurement synchronization 50% friction measurement value
QTorqueSync50FrictionTolerance		NUMBER	9	0	Q-axis axis torque measurement synchronization 50% friction tolerance value
QTorqueSync50FrictionResult		NUMBER	1	0	Q-axis axis torque measurement synchronization 50% friction decided result -1: Not inspected 0:NG 1:OK
QTorqueSync100Friction		NUMBER	9	0	Q-axis axis torque measurement synchronization 100% friction measurement value
QTorqueSync100FrictionTole		NUMBER	9	0	Q-axis axis torque measurement synchronization 100% friction tolerance value
QTorqueSync100FrictionResult		NUMBER	1	0	Q-axis axis torque measurement synchronization 100% friction decided result -1: Not inspected 0:NG

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Row name	PK	Data type	Max. length	Default	Explanation
					1:OK
PickupUsPressureMeasurement		NUMBER	9	0	Explanation Pickup path upper side pressure measurement value
PickupUsPressureResult		NUMBER	1	0	Explanation Pickup path pressure upper side pressure decided result -1: Not inspected 0:NG 1:OK
PickupUsFlowMeasurement		NUMBER	9	0	Explanation Pickup path upper side flow rate measurement value
PickupUsFlowMeasurementResult		NUMBER	1	0	Explanation Pickup path pressure upper side flow rate decided result -1: Not inspected 0:NG 1:OK
PickupUsLeakCheckResult		NUMBER	1	0	Explanation Pickup path upper side leak check decided result -1: Not inspected 0:NG 1:OK

Index 1 - TIMESTAMP, EquipID

Index 2 - EquipID

MatHistory_Nzl

V

The nozzle maintenance history is saved in the MatHistory_Nzl table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
TimeStamp		DATE		None	Record acquisition date
EquipID		VARCHAR2	64	None	Nozzle unique ID (required)
ObjectID		NUMBER	4	None	ID used to indicate the equipment type 2: Nozzle
AlarmID		NUMBER	9	None	ID used to indicate the maintenance notification type (required) Bit0: For "and" is OFF. For "or" is ON Bit1: Error count condition on or off Bit2: Error rate condition on or off Bit3: Placement count condition on or off Bit4: Elapsed days condition on or off Bit5: Maintenance count condition on or off
CauseID		NUMBER	4	None	A unique ID is used to identify the details of the cause of maintenance. CauseID is registered in MatCauseMaster_Nzl table.
MeasureID		NUMBER	4	None	A unique ID is used to identify the details of the maintenance performed. CauseID is registered in MatMeasureMaster_Nzl table.
Errors		NUMBER	9	Null	Error count at the time that maintenance is performed.
ErrorRate		NUMBER	9	Null	Error rate at the time that maintenance is performed. Saved as error rate (%) * 10 for versions prior to V4.30. Saved as error rate (%) * 1000 for versions V4.30 and higher.
UsageCount		NUMBER	9	Null	Use count at the time that maintenance is performed.
PassageDays		NUMBER	9	Null	Number of days since maintenance at the time that maintenance is performed.
OperatorName		VARCHAR2	64	Null	The name of the operator performing maintenance.
McID		NUMBER	4	Null	The ID used for the machine on which maintenance is performed.
ModuleNo		NUMBER	4	Null	The number for the module used at the time that maintenance is performed.
NzlStName		VARCHAR2	32	Null	The station name used at the time that maintenance is performed.
NzlStID		VARCHAR2	15	Null	The station ID used at the time that maintenance is performed.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
NzlStNo		NUMBER	4	Null	The nozzle station number used at the time that maintenance is performed (1 to 2).
NzlPitNo		NUMBER	4	Null	The nozzle station pit number used at the time that maintenance is performed (1 to 32).
Location		VARCHAR2	32	Null	The shelf at which maintenance is performed.
MEMO		VARCHAR2	255	Null	Records memo when performing maintenance.
PASSAGERTIME		NUMBER	12	0	Operating time of feeders at the time that maintenance is performed [sec].
NozzleTestResult		NUMBER	4	-1	Nozzle inspection results OK: 1, NG: 0, Not measured: -1 Added after PASSAGERTIME
Reading2DCodeResult		NUMBER	4	-1	2D code reading results OK: 1, NG: 0, Not measured: -1
AirFlowJudgingResult		NUMBER	4	-1	Air flow decision OK: 1, NG: 0, Not measured: -1
TipStateJudgingResult		NUMBER	4	-1	Tip condition decision OK: 1, NG: 0, Not measured: -1
StackTestResult		NUMBER	4	-1	Stuck inspection results OK: 1, NG: 0, Not measured: -1
AirFlow		NUMBER	9	0	Air flow mL/min 0 to 10000
AirFlowUValue		NUMBER	9	0	Air flow upper value mL/min 0 to 10000
AirFlowLValue		NUMBER	9	0	Air flow lower value mL/min 0 to 10000
MaintenanceStart		DATE		None	Maintenance start time
MaintenanceEnd		DATE		None	Maintenance end time
SlidResistance		NUMBER	9	0	Sliding resistance value [0.1 mN] 0 to 40000 This is enabled when the type of the sliding section is without a spring.
SlidResistanceUValue		NUMBER	9	0	Sliding resistance value upper limit [0.1 mN] 0 to 40000 This is enabled when the type of the sliding section is without a spring.
Kind		NUMBER	4	None.	0: Advanced maintenance data, 1: Maintenance, 2: Repair
CauseID2		NUMBER	9	None.	A unique ID for identifying the cause for maintenance to be performed. (Can be omitted.) CauseID is registered in the MatCauseMaster2_Nzl table.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
MeasureID2		NUMBER	9	None.	A unique ID for identifying the details for performed maintenance. (Can be omitted.) MeasureID is registered in the MatMeasureMaster2_Nzl table.
CauseID3		NUMBER	9	None.	A unique ID for identifying the cause for repairing to be performed. (Can be omitted.) CauseID is registered in the MatCauseMaster3_Nzl table.
MeasureID3		NUMBER	9	None.	A unique ID for identifying the contents for performed repairing. (Can be omitted.) MeasureID is registered in the MatMeasureMaster3_Nzl table.
PicID		NUMBER	9	None.	A unique ID for identifying the reference image. (Can be omitted.) MeasureID is registered in the MatMeasureMaster3_Nzl table.
NZLTOTALCNT		NUMBER	9	0	The total number of pickups performed by the nozzle since the time of registration.
LINEID		NUMBER	4	0	Explanation Line ID for maintenance
EQUIPNAME		VARCHAR2	64	NULL	Explanation For entering the nozzle name
NozzleWash		NUMBER	1	0	Explanation Whether the nozzle was cleaned. 0: Not cleaned 1: Cleaned
FilterResult		NUMBER	1	0	Explanation Filter inspection result -1: Not inspected 0:NG 1:OK 2: Bad status
FilterHR		NUMBER	4	0	Explanation Filter inspection threshold
FilterValue		NUMBER	4	0	Explanation Filter inspection result measurement value
SlidType		NUMBER	1	0	Explanation Type of sliding section 0: Without a spring 1: With a spring
SlidResistSpring		NUMBER	4	0	Explanation Deviation amount from the design value of the sliding resistance (%) -100 to 999 This is enabled when the type of the sliding section is with a spring.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
SlidResistSpringUVValue		NUMBER	4	0	<p>Explanation Upper limit of the deviation amount from the design value of the sliding resistance (%) -100 to 999</p> <p>This is enabled when the type of the sliding section is with a spring.</p>

MatCauseMaster

V

Details of the cause of maintenance performed are defined in the MatCauseMaster table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
CauseID	O	NUMBER	4		<p>Unique ID used to identify the cause of maintenance performed. Definable by the user</p>
Cause		VARCHAR2	255	Null	<p>Cause of maintenance performed Definable by the user</p>
CauseDel		NUMBER	4	0	<p>Validity of the record for the cause of the maintenance performed. 0: Valid 1: Invalid</p>

The constants in this table have been preset in the database. (See "[MatCauseMaster](#)")

MatCauseMaster_Head

V

Details of the cause of head maintenance performed are defined in the MatCauseMaster_Head table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
CauseID	O	NUMBER	4		<p>Unique ID used to identify the cause of maintenance performed. Definable by the user</p>
Cause		VARCHAR2	255	Null	<p>Cause of maintenance performed Definable by the user</p>
CauseDel		NUMBER	4	0	<p>Validity of the record for the cause of the maintenance performed. 0: Valid 1: Invalid</p>

The constants in this table have been preset in the database. (See "[MatCauseMaster_Head](#)")

MatCauseMaster_Nzl

V

Details of the cause of nozzle maintenance performed are defined in the MatCauseMaster_Nzl table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
CauseID	O	NUMBER	4		Unique ID used to identify the cause of maintenance performed. Definable by the user
Cause		VARCHAR 2	255	Null	Cause of maintenance performed Definable by the user
CauseDel		NUMBER	4	0	Validity of the record for the cause of the maintenance performed. 0: Valid 1: Invalid

The constants in this table have been preset in the database. (See "[MatCauseMaster_Nzl](#)")

MatCauseMasterRsv

V

The reason for performing the maintenance is defined in the MatCauseMasterRsv table.

Referenced when a maintenance performed report comes from the feeder maintenance station.

Row name	PK	Data type	Max. length	Default value	Description
CauseID	O	NUMBER	4		A unique ID which indicates cause of performing maintenance. User definitions are possible.
Cause		VARCHAR2	255	Null	Cause of performing maintenance. User definitions are possible.
CauseDel		NUMBER	4	0	Effectiveness of the maintenance cause record. 0: Effective 1: Not effective

Fixed values are set in advance in this table (refer to "MatCauseMasterRsv"). [MatCauseMasterRsv](#)

MatCauseMasterRsv_Head

V

The reasons for performing the head maintenance are saved in the MatCauseMasterRsv_Head table.

Referenced when a maintenance performed report comes from the auto head cleaner.

Row name	PK	Data type	Max. length	Default value	Description
CauseID	O	NUMBER	4		A unique ID which indicates cause of performing maintenance. User definitions are possible.
Cause		VARCHAR2	255	Null	Cause of performing maintenance. User definitions are possible.
CauseDel		NUMBER	4	0	Effectiveness of the maintenance cause record. 0: Effective 1: Not effective

Fixed values are set in advance in this table (refer to "MatCauseMasterRsv_Head"). [MatCauseMasterRsv_Head](#)

MatCauseMasterRsv_Nzl

V

The reasons for performing the nozzle maintenance are saved in the MatCauseMasterRsv_Nzl table.

Referenced when a maintenance performed report comes from the smart nozzle cleaner

Row name	PK	Data type	Max. length	Default value	Description
CauseID	O	NUMBER	4		A unique ID which indicates cause of performing maintenance. User definitions are possible.
Cause		VARCHAR2	255	Null	Cause of performing maintenance. User definitions are possible.
CauseDel		NUMBER	4	0	Effectiveness of the maintenance cause record. 0: Effective 1: Not effective

Fixed values are set in advance in this table (refer to "MatCauseMasterRsv_Nzl"). [MatCauseMasterRsv_Nzl](#)

MatCauseMaster2_Nzl

V

The reasons for performing nozzle maintenance are saved in the MatCauseMaster2_Nzl table.

Row name	PK	Data type	Max length	Default	Explanation
CauseID	Yes	NUMBER	9		A unique ID which indicates the cause for performing maintenance. User definitions are possible.
Cause		BLOB		Null	Cause for performing used defined maintenance. (Encrypted character string.) Chinese user definitions are possible by the user.

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Row name	PK	Data type	Max length	Default	Explanation
CauseDel		NUMBER	4	0	Effectiveness of the maintenance cause record. 0: Effective 1: Not effective

MatCauseMaster3_Nzl

V

The reasons for repairing the nozzle are saved in the MatCauseMaster3_Nzl table.

Row name	PK	Data type	Max length	Default	Explanation
CauseID	Yes	NUMBER	9		A unique ID which indicates the cause for performing maintenance. User definitions are possible.
Cause		BLOB		Null	Cause for performing used defined maintenance. (Encrypted character string.) Chinese user definitions are possible by the user.
CauseDel		NUMBER	4	0	Effectiveness of the maintenance cause record. 0: Effective 1: Not effective

MatMeasureMaster

V

The details of maintenance performed are defined in the MatMeasureMaster table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
MeasureID	O	NUMBER	4		Unique ID used to identify the details of maintenance performed. Definable by the user
Measure		VARCHAR2	255	Null	Details of maintenance performed Definable by the user
MeasureDel		NUMBER	4	0	Specifies whether or not to enable the record for the details of the maintenance performed. 0: Enable 1: Disable

The constants in this table have been preset in the database. (See "[MatMeasureMaster](#)")

MatMeasureMaster_Head

V

The details of head maintenance performed are defined in the MatMeasureMaster_Head table.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
MeasureID	O	NUMBER	4		Unique ID used to identify the details of maintenance performed. Definable by the user
Measure		VARCHAR2	255	Null	Details of maintenance performed Definable by the user
MeasureDel		NUMBER	4	0	Specifies whether or not to enable the record for the details of the maintenance performed. 0: Enable 1: Disable

The constants in this table have been preset in the database. (See "[MatMeasureMaster Head](#)")

MatMeasureMaster_Nzl

V

The details of nozzle maintenance performed are defined in the MatMeasureMaster_Nzl table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
MeasureID	O	NUMBER	4		Unique ID used to identify the details of maintenance performed. Definable by the user
Measure		VARCHAR2	255	Null	Details of maintenance performed Definable by the user
MeasureDel		NUMBER	4	0	Specifies whether or not to enable the record for the details of the maintenance performed. 0: Enable 1: Disable

The constants in this table have been preset in the database. (See "[MatMeasureMaster_Nzl](#)")

MatMeasureMasterRsv

V

Details of the maintenance are defined in the MatMeasureMasterRsv table.

Referenced when a maintenance performed report comes from the feeder maintenance station

Row name	PK	Data type	Max. length	Default value	Description
MeasureID	O	NUMBER	4		A unique ID which indicates maintenance details. User definitions are possible.
Measure		VARCHAR2	255	Null	Maintenance details.

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Row name	PK	Data type	Max. length	Default value	Description
					User definitions are possible.
MeasureDel		NUMBER	4	0	Effectiveness of the maintenance details record. 0: Effective 1: Not effective

Fixed values are set in advance in this table (refer to "MatMeasureMasterRsv"). [MatMeasureMaster_1](#)

MatMeasureMasterRsv_Head

V

The details for performing the head maintenance are saved in the MatMeasureMasterRsv_Head table.

Referenced when a maintenance performed report comes from the auto head cleaner.

Row name	PK	Data type	Max. length	Default value	Description
MeasureID	O	NUMBER	4		A unique ID which indicates maintenance details. User definitions are possible.
Measure		VARCHAR2	255	Null	Maintenance details. User definitions are possible.
MeasureDel		NUMBER	4	0	Effectiveness of the maintenance details record. 0: Effective 1: Not effective

Fixed values are set in advance in this table (refer to "MatMeasureMasterRsv_Head"). [MatMeasureMasterRsv_ Head](#)

MatMeasureMasterRsv_Nzl

V

The details for performing the nozzle maintenance are saved in the MatMeasureMasterRsv_Nzl table.

Referenced when a maintenance performed report comes from the smart nozzle cleaner.

Row name	PK	Data type	Max. length	Default value	Description
MeasureID	O	NUMBER	4		A unique ID which indicates maintenance details. User definitions are possible.
Measure		VARCHAR2	255	Null	Maintenance details. User definitions are possible.
MeasureDel		NUMBER	4	0	Effectiveness of the maintenance details record.

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Row name	PK	Data type	Max. length	Default value	Description
					0: Effective 1: Not effective

Fixed values are set in advance in this table (refer to "MatMeasureMasterRsv_Nzl"). [MatMeasureMaster_2](#)

MatMeasureMaster2_Nzl

V

The details for performing nozzle maintenance are saved in the MatMeasureMaster2_Nzl table.

Row name	PK	Data type	Max length	Default	Explanation
MeasureID	Yes	NUMBER	9		A unique ID which indicates maintenance details. User definitions are possible.
Measure		BLOB		Null	Details of performed used defined maintenance. (Encrypted character string.) Chinese user definitions are possible by the user.
MeasureDel		NUMBER	4	0	Effectiveness of the maintenance details record. 0: Effective 1: Not effective

MatMeasureMaster3_Nzl

V

The details for repairing the nozzle are saved in the MatMeasureMaster3_Nzl table.

Row name	PK	Data type	Max length	Default	Explanation
MeasureID	Yes	NUMBER	9		A unique ID which indicates maintenance details. User definitions are possible.
Measure		BLOB		Null	Details of performed used defined maintenance. (Encrypted character string.) Chinese user definitions are possible by the user.
MeasureDel		NUMBER	4	0	Effectiveness of the maintenance details record. 0: Effective 1: Not effective

OperatorActions

V

A list of actions which were performed by the operator on the machine is saved in the OperatorActions table, keyed to the action IDs.

Actions that are listed include part changes, feeder changes, splicing, and nozzle changes, etc.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
ActionID	O	NUMBER	4		Unique integer that identifies an action.
Description		VARCHAR2	32	Null	Action description

The constants in this table have been preset in the database. (See "[OperatorActions](#)")

OperatorTrace

V

The "OperatorTrace" table saves a record of operator actions at the machine.

Row Name	PK	Data Type	Max. Length	Default	Explanation
TimeStamp		DATE		Compulsory	Time when action was performed.
OperatorName		VARCHAR2	64	Compulsory	Name of operator.
McID		NUMBER	4	Compulsory	Unique integer which identifies the machine.
ActionID		NUMBER	4	Null	Unique integer which identifies an action
ModuleNo		NUMBER	4	0	Contains the NXT, AIMEX or AIM module number. 1 ~ 32 0 for other than the above.
StageNo		NUMBER	4	Null	Stage number where action occurred Set the value below for a new machine. Module no. x 100 + stage no.
GroupKey		NUMBER	4	Null	Group number where action occurred.
Class		NUMBER	4	Null	Class 0:Tape 1:Tray
SlotNo		NUMBER	4	Null	Slot number where action occurred.
SubSlotNo		NUMBER	4	Null	Sub-slot number where action occurred.
Fidl		VARCHAR2	15	Null	ID (FIDL) of feeder where operation occurred.
Did		VARCHAR2	64	Null	ID (DID) of part where operation occurred.
OldDID		VARCHAR2	64	Null	Records the DID where a DID division or splicing, etc., occurred. "Null" at all other times.
HeadNo		VARCHAR2	20	Null	Head number where action occurred.
HolderNo		VARCHAR2	20	Null	Holder number where action occurred.
NozzleNo		VARCHAR2	20	Null	Nozzle number where action occurred.
Nid		VARCHAR2	31	Null	ID (NID) of nozzle where operation occurred.
UnitID		VARCHAR2	32	Null	ID (Unit ID) of feeder unit where action occurred.
TargetMC		VARCHAR2	64	Null	Name of the target machine.
Status		NUMBER	4	Null	Device status. Indicates the device status.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					See " Device status definitions "
FloorLifeStatus		NUMBER	4	Null	Indicates the floor life status. 0: Floor life valid (includes non-dry components) 1: Floor life up warning (scheduled) 2: Floor life up 3: Box life up
RemainFloorLife		NUMBER	9	Null	Records the remaining floor life (units: minutes) when trace data is output (when performing verification) If set to "-1", the system will determine that the floor life is infinite or unopened, and that the parts are non-dry components.
DeviceComment		VARCHAR2	64	Null	Device comment for the target part.
Part barcode		VARCHAR2	64	Null	Barcode for the target part.
Quantity		NUMBER	9	Null	Remaining part count for the target part.
OldQty		NUMBER	9	Null	The DID part quantity is recorded at DID divisions, or when splicing occurs, etc. "0" at all other times.
Vendor		VARCHAR2	32	Null	Vendor ID for the target part.
Lot		VARCHAR2	64	Null	Lot number for the target part.
Ddate		VARCHAR2	32	Null	Date and time stamp for the target part.
Locate		VARCHAR2	32	Null	Shelf number for the target part.
Feeder name		VARCHAR2	32	Null	Name of the target feeder.
RemainTime		NUMBER	9	Null	Parts out warning time (sec.) for the target slot.
RemainBoard		NUMBER	9	Null	Parts out warning panel quantity for the target slot.
Result		VARCHAR2	10	Null	Target verification processing result.
ErrCode		NUMBER	9	Null	Error code for the verification processing where the action occurred.
Detail		VARCHAR2	255	Null	Details of the target verification processing.
DIDBaseName		VARCHAR2	64	Null	Prescribed shelf name for the target parts.
DIDBaseLOC		VARCHAR2	32	Null	Prescribed shelf number for the target parts.
DIDCheckIn		NUMBER	4	0	Indicates the number of times the target parts have been checked in.
DIDCheckOut		NUMBER	4	0	Indicates how the target parts are checked out. 1: Checkout navigation 2: Free checkout 3: Checkout based on checkout instruction or each slot. 4: Dry part checkout 5: Dry part free checkout
SchedulePos		NUMBER	4	0	Position of the target production schedule. 1: Current schedule

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					2: Next schedule
ScheduleName		VARCHAR2	64	Null	Name of the target production schedule.
LIGHTINGCLASS		VARCHAR2	40 25	Null	Lighting class of relevant part.
RemainBoxLife		NUMBER	9	-1	Records the remaining box life (units: minutes) when outputting a trace (when verifying). For "-1", box life is unlimited or parts have not been opened or are judged not to be dry components.
DModuleNo		NUMBER	4	0	Display module number Stores the display module number for the AIMEX. For NXT, AIM, sFAB and AIMEX old versions, the same value as ModuleNo is set. 0 to 32 For other values. "0" is used.

Update timing:

- When a feeder is registered in KIT Manager, a record of that event is added.
- When a feeder is edited in KIT Manager, a record of that event is added.
- When a feeder is deleted in KIT Manager, a record of that event is added.
- When reel or tray part data is registered in KIT Manager, a record of that event is added.
- When reel or tray part data is edited in KIT Manager, a record of that event is added.
- When reel or tray part data is deleted in KIT Manager, a record of that event is added.
- When quick verification is performed, a record of that event is added.
- When tray verification is performed, a record of that event is added.
- When a feeder is set on the machine (when the feeder ID is read), a record of that event is added.
- When splicing verification is performed, the applicable records are added.
- When verification is performed for External Changeover, a record of that event is added.

Index - TIMESTAMP

Index - OPERATORNAME

PanelIDReport

V/(P)

Panel position information is saved in the PanelIDReport table.

Row name	PK	Data type	Max Length	Default	Explanation
LineID	O	NUMBER	4	0	An integer to uniquely identify an SMT line. The value starts from 1.
McID	O	NUMBER	4	0	An integer to uniquely identify a machine.
ModuleNo	O	NUMBER	4	0	Logical module number

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Row name	PK	Data type	Max Length	Default	Explanation
Lane	O	NUMBER	4	0	<p>Indicates the lane.</p> <p>A triple lane exists for lane for NXT machines. This is fixed as a single lane for PCC and VME machines because they do not have lanes.</p> <p>In addition, a single lane is used for shuttle conveyors.</p> <p>0: Single lane (default) 1: Lane 1 for a double lane Lane 1 for a triple lane 2: Lane 2 for a double lane Lane 2 for a triple lane 3: Lane 3 for a triple lane</p>
IDType		VARCHAR2	64	1	<p>The code type</p> <p>1. Panel ID 2. Part ID 3. Board ID</p>
ID		VARCHAR2	64	Null	Barcode (panel ID, part ID, board ID)
BlockNo		VARCHAR2	4	0	The panel board number.

PartsBlock

V

The block conditions for the data listed in the Block list is saved in the PartsBlock table.
The RecipeKey item is used as the key for linking this table to the PartsBlockKey table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
RecipeKey	O	NUMBER	9	0	Key for linking this table to PartsBlockKey table.
Part barcode	O	VARCHAR2	64	Null	<p>Part barcode.</p> <p>This is a compulsory item.</p>
RecNo	O	NUMBER	9	0	This is a unique integer used for permitting specification of identical part barcodes.
DID		VARCHAR2	64	Null	<p>Part DID.</p> <p>A Null value is not treated as a block condition.</p>
LotNo		VARCHAR2	64	Null	<p>Part lot number.</p> <p>A Null value is not treated as a block condition.</p>
Vendor		VARCHAR2	64	Null	<p>Part vendor name.</p> <p>A Null value is not treated as a block condition.</p>
Datecode		VARCHAR2	32	Null	Part date code.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					A Null value is not treated as a block condition.
Note1		VARCHAR2	64	Null	Shows information entered by the user as a spare field. A Null value is not treated as a block condition.
Note2		VARCHAR2	64	Null	Shows information entered by the user as a spare field. A Null value is not treated as a block condition.
Note3		VARCHAR2	64	Null	Shows information entered by the user as a spare field. A Null value is not treated as a block condition.
Note4		VARCHAR2	64	Null	Shows information entered by the user as a spare field. A Null value is not treated as a block condition.

PartsBlockKey

V

Header 2 information listed in the Block list is saved in the PartsBlockKey table.

The RecipeKey item is used to link this table to the PartsBlock table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
RecipeKey	O	NUMBER	9	0	Key for linking this table to the PartsBlock table.
LineID		NUMBER	4	0	This is a unique integer used for identifying the SMT line. A value of 1 or higher is set. If a LineID is not specified, this value is set to 0.
McID		NUMBER	4	0	This is a unique integer used to identify the machine. A value of 1 or higher is set. If a McID is not specified, this value is set to 0.
ModuleNo		NUMBER	4	0	Logical module No. at the NXT/AIM/AIMEX. If the machine is not an NXT/AIM/AIMEX or if a module No. is not specified, this value is set to 0.
RecipeName		VARCHAR2	64	Null	Recipe name. This item is compulsory. It is possible to use a wildcard when specifying this item.
Revision		VARCHAR2	11	Null	Recipe revision. It is possible to use a wildcard when specifying this item.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					If there is no revision, this value is set to Null.
Side		VARCHAR2	1	Null	Sets the panel placement side for the recipe. One of the following characters is stored in this item. Top side:: T Bottom side: B Top and bottom sides: *

PartsRestriction

V

The restriction conditions for data listed in the restriction list are saved in the PartsRestriction table. The RecipeKey item is used as the key for linking to the PartsRestrictionKey table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
RecipeKey	O	NUMBER	9	0	Key for linking to PartsRestrictionKey table.
Part barcode	O	VARCHAR2	64	Null	Part barcode. This is a compulsory item.
RecNo	O	NUMBER	9	0	This is a unique integer used for permitting specification of identical part barcodes.
DID		VARCHAR2	64	Null	Part DID. A Null item is not treated as a restriction condition.
LotNo		VARCHAR2	64	Null	Part lot number. A Null item is not treated as a restriction condition.
Vendor		VARCHAR2	64	Null	Part vendor name. A Null item is not treated as a restriction condition.
Datecode		VARCHAR2	32	Null	Part date code. A Null item is not treated as a restriction condition.
Note1		VARCHAR2	64	Null	Shows information entered by the user as a spare field. A Null item is not treated as a restriction condition.
Note2		VARCHAR2	64	Null	Shows information entered by the user as a spare field. A Null item is not treated as a restriction condition.
Note3		VARCHAR2	64	Null	Shows information entered by the user as a spare field. A Null item is not treated as a restriction condition.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
Note4		VARCHAR2	64	Null	Shows information entered by the user as a spare field. A Null item is not treated as a restriction condition.

PartsRestrictionKey

V

Header 2 information listed in the Restriction list is saved in the PartsRestrictionKey table.

The RecipeKey item is used to link this table to the PartsRestriction table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
RecipeKey	O	NUMBER	9	0	Key for linking to PartsRestriction table.
LineID		NUMBER	4	0	This is a unique integer used for identifying the SMT line. A value of 1 or greater is set. If a LineID is not specified, this value is set to 0.
McID		NUMBER	4	0	This is a unique integer used to identify the machine. A value of 1 or greater is set. If a McID is not specified, this value is set to 0.
ModuleNo		NUMBER	4	0	Logical module No. at the NXT/AIM/AIMEX. If the machine is not an NXT/AIM/AIMEX or if a module No. is not specified, this value is set to 0.
RecipeName		VARCHAR2	64	Null	Recipe name. This item is compulsory. It is possible to use a wildcard when specifying this item.
Revision		VARCHAR2	11	Null	Recipe revision. It is possible to use a wildcard when specifying this item. If there is no revision, this value is set to Null.
Side		VARCHAR2	1	Null	Sets the panel placement side for the recipe. One of the following characters is stored in this item. Top side: T Bottom side: B Top and bottom sides: *

ProgramStatus

V

The status of the recipe to be used next in production is saved in the ProgramStatus table using the program ID as the key.,

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Row Name	PK	Data Type	Max. Length	Default	Explanation
ProgID	O	NUMBER	9		Unique integer to identify the recipe.
McID		NUMBER	4	0	Unique character string to identify the machine.
ModuleNo		NUMBER	4	0	This is the NXT logical module number. This value is set to 0 for all other machines.
RecipeName		VARCHAR 2	64	Null	Name of the recipe currently used in production at each of the machines.
Revision		VARCHAR 2	11	Null	Job revision
UpdateTime		Date		Null	Date and time that the following fields are updated. ProgID, McID
ProgStatus		NUMBER	4	0	Recipe status. 0: Current recipe 1: Background recipe 2: Recipe reserved for next production.
Cycle time		NUMBER	9	0	Theoretical cycle type (sec.). Not used for the present.
TableMode		NUMBER	4	0	Current table mode (for CP-4- and CP-6-series machines). 0: Joint mode 1: Table 1 (AA/AB mode) 2: Table 1 (AA/AB mode) Not used for the present.
NumBlocks		NUMBER	4	0	Number of blocks in the recipe. Not used with PCC machines.
GROUPNAME		VARCHAR 2	50	Null	Not currently used
JOBID		NUMBER	9	0	Not currently used

Index 1 - McID, ModuleNo, ProgID

Update timing:

When job changeover is performed at a machine for the first time, a record containing the program ID for the job name is added. In the case of the NXT, this program ID is used to reference the MachineStatus2 table for identifying the module number and lane number where that job is to be produced.

When job changeover is performed at a given machine, the records for that machine are updated.

ProgramSupport

V

The quantity of panels to be produced in order not to supply excess parts when replenishing parts is stored in the Program Support table.

Row name	PK	Data type	Max. length	Default value	Description	
McID	O	NUMBER	4	0	An integer to uniquely identify a machine.	* #
ModuleNo	O	NUMBER	4	0	The logical module number for the NXT. For other machines, the number is fixed as "0".	
RecipeName	O	VARCHAR 2	64	Null	Currently, the name of the program currently being produced at each machine.	* #
Revision	O	VARCHAR 2	11	Null	Indicates the job revision.	* #
UpdateTime		Date		Null	The time at which the following field was updated. PRODUCTPLANNUM	* #
PRODUCTPLANNUM		NUMBER	9	-1	Registers the quantity of panels planned to be produced in the applicable specified job.	
ProductSet		NUMBER	1	0	Registers whether AA production or AB production is used 0: Other 1: AA production 2: AB production	

StatusPriority

V

The device status priority is stored in the StatusPriority table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
Status	O	NUMBER	4		Device status ID
SubStatus	O	NUMBER	4		Alternate device status
StatusText		VARCHAR2	32	Null	Device status
StatusLevel		NUMBER	4	Null	Status importance
Priority1		NUMBER	4	Null	Priority order 1
Priority2		NUMBER	4	Null	Priority order 2

The constants in this table have been preset in the database. (See "[StatusPriority](#)")

STOPEQUIP

V

Command control and error information when an equipment stop request comes from the host computer are saved in the STOPEQUIP table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
STOPEQUIPKey	O	NUMBER	14	Null	Key. Configure the multiple key with ApplicationID and TransactionID.
LineID	O	NUMBER	4	0	An integer to uniquely identify an SMT line. Values from 1 are set.
McID		NUMBER	4	0	An integer to uniquely identify a machine.
ModuleNo		NUMBER	4	0	The logical module number for the NXT and AIMEX.
Lane		NUMBER	4	12	Indicates the target stopping lane. 0: Lane0 (for IPQC) 1: Lane1 2: Lane2 12: Both lanes
TargetUnitType		NUMBER	2	0	Unit type for the control. 0: Module 1: Head 2: Feeder/Tray (parts) 3: Holder 4: Nozzle 5: Parts
UnitSerialNo		VARCHAR2	15	NULL	Differs by the target unit type. 1:HeadID 2:FIDL 3: HolderNo 4:NozzleID When the target unit type is 0, 1, 2, or 5, this may be blank.
StageNo		NUMBER	4	0	When the target unit type is 2 or 5 Indicates the stage number.
GroupNo		NUMBER	4	0	When the target unit type is 2 or 5 Indicates the group number.
SlotNo		NUMBER	4	0	When the target unit type is 2 or 5 Indicates the slot number. (Operator trace method)
SubSlotNo		NUMBER	4	0	When the target unit type is 2 or 5 Indicates the sub slot number. (Operator trace method)
Reason		VARCHAR2	256	Null	The reason for stop.
Status		NUMBER	2	0	Command status 0: Stop time 1: Stop clear time 2: Stop clear check time

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Row Name	PK	Data Type	Max. Length	Default	Explanation
ActionType		NUMBER	2	0	Control action 1: Cycle stop 2: One board production 3: Stop part pickup (pickup parts other than target parts).
ReleaseType		NUMBER	2	0	Clearing stops 1: Only for the system 2: Can be released at machine
ApplicationID		NUMBER	4	0	1 to 100: Customer or 3rd Party system 101 to 200: Fuji Machine developed software
TransactionID		NUMBER	9	0	Each application stop command request ID

SystemInfo [Backup (Browse)]

V/(P)

All types of system settings values are saved in the SystemInfo table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
SID	0	NUMBER	1		This table has a single record. Multiple entries are avoided by using the PK setting and entering a specific setting ahead of time.
UsePrefix		NUMBER	4	0	This flag is set when a barcode prefix is used. 0: OFF 1: ON
UseC3		NUMBER	4	0	This flag is used to enable C3 codes in the system. 0: OFF 1: ON
UseDid		NUMBER	4	1	This flag enables the "Use DID" mode. 0: Without DID 1: Use DID (Default) 2: Automatically register DIDs
NoPrefixFilter		VARCHAR2	64	Null	This is the name of the barcode filter. Set the barcode filter name when the barcode prefix is not specified.
DaysKeepTrace		NUMBER	4	7	This indicates the period (days) that the log is retained in the SystemTrace table. Trace data that exceeds this period is automatically deleted. Data is not automatically deleted when set to 0. Default: 30 days
NTPServerName		VARCHAR2	64	Null	NTP server name

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Row Name	PK	Data Type	Max. Length	Default	Explanation
NTPIinterval		NUMBER	9	Null	This is date adjustment interval with the NTPserver. (sec)
NTPRetry		NUMBER	4	Null	This is the number of tries when performing date adjustment one time.
VerifyCheckMode		NUMBER	4	0	Specifies whether to perform the blocking function (Unwanted Lot) decision in blocking mode (prohibited) or non-blocking mode (permitted). 0: Blocking function not supported (Default) 1: Blocking mode 2: Non-blocking mode
VerifyCheckModeForJob		NUMBER	4	0	Specifies usage of the job name blocking function. 0: Job blocking not used 1: Use job blocking in block mode 2: Use job blocking in non-block mode
BlockMode		NUMBER	4	0	Specifies the system operation when an Unwanted Lot prohibited by the blocking function is detected. 0: Blocking function not supported (Default) 1: Warning (Awaits RESET switch.) 2: Stop (Stops operation completely.)
PanelFilter		VARCHAR2	64	Null	Barcode filter name Sets the name of the dedicated barcode filter for the panel ID. Filtering is not performed if left empty.
DaysKeepTraceUnwanted		NUMBER	4	90	Indicates the length of time (days) that logs are stored in the UnwantedTrace table. Old traces that exceed the specified period are automatically deleted. Automatic deletion is not performed if set to 0. 90 days is set as the default value.
FloorTMP		NUMBER	4	-1	Indicates the controlled air temperature inside the factory This value is used when administering dry components. A value from 0 to 99° C can be set. However, the temperature inside the factory is not sensed when set to "-1" (default).
FloorRH		NUMBER	4	-1	Indicates the controlled humidity inside the factory This value is used when administering dry components.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					A value from 0 to 99% can be set. However, the humidity inside the factory is not sensed when set to "-1" (default).
DryComponent		NUMBER	4	0	Determines whether the dry component administration function is enabled or disabled. 0: Disabled (All handled as non-dry components.) 1: Enabled
UsePanelGroupID		NUMBER	4	1	Determines whether a PanelGroupID input occurs at PanelGroupID registration. 0: OFF 1: ON (Default)
UsePanelGroupName		NUMBER	4	0	Determines whether a PanelGroupName input occurs at PanelGroupID registration. 0: OFF (Default) 1: ON
UseProductNo		NUMBER	4	0	Determines whether a ProductNo input occurs at PanelGroupID registration. 0: OFF (Default) 1: ON
UserManagement		NUMBER	4	0	Specifies whether users can set items usually reserved for Fujitrax Web administrators. If "1" is set, users can see and use administrator items. 0: Administrators only 1: Give administrator privileges to users
PartsBlock		NUMBER	4	0	Sets the parts blocking function. 0: Parts blocking not used 1: Enable restriction list only 2: Enable block list only 3: Enable both restriction list and block list
DataTransactionHost		VARCHAR2	64	Null	[Explanation] Registers the host name for the Data Transaction Server that is accessed when using the scale up function. [Setting values] Null: Scale up function not supported
AutoDELTIME		NUMBER	4	0	[Explanation] When deleting DID data for parts or FIDL data for feeders, this specifies that the data not be deleted immediately but instead be deleted after a specified period of time. When DID and FIDL data is deleted, the DEL flag is set to ON and the last modified time is refreshed. The database then periodically performs a search to find data for which the DEL flag is ON, and proceeds to delete data if the

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					<p>amount of time that has elapsed since the last modified time exceeds the specified delay period.</p> <p>[Setting values] / [Setting range]</p> <p>Specify the deletion delay period (Unit: hr)</p> <p>0: Delete data immediately</p>
UseSmallDid		NUMBER	4	0	<p>Specify whether to use case sensitive DIDs.</p> <p>0: Do not use case sensitive DIDs</p> <p>1: Use case sensitive DIDs</p>
BoxTMP		NUMBER	4	-1	<p>Temperature of dry box.</p> <p>Specified when performing box life management.</p> <p>Range: 0 to 99 °C.</p> <p>-1: Temperature not referenced.</p>
BoxRH		NUMBER	4	-1	<p>Humidity of dry box.</p> <p>Specified when performing box life management.</p> <p>Range: 0 to 99%.</p> <p>-1: Humidity not referenced.</p>
AIMEXDispMode		NUMBER	4	0	Not current used.
UseSmallPartBarcode		NUMBER	4	0	<p>Specifies whether to distinguish between upper and lower case on the part barcode.</p> <p>0: Do not distinguish between upper and lower case.</p> <p>1: Distinguish between upper and lower case.</p>
SynchronizedMode		NUMBER	4	0	<p>Placement results information synchronous mode.</p> <p>0: Do not synchronize</p> <p>1: Synchronize</p>
IDRecoveryMode		NUMBER	4	0	<p>Setting for whether to stop the machine and read the panel ID offline when inserting a panel manually at a module in a line and the FLP unload sensor does not respond.</p> <p>0: Do not stop machine</p> <p>1: Stop machine</p>
SldFilter		VARCHAR2	64	Null	<p>The solder barcode filter name is entered.</p> <p>This is used when reading barcodes if there is no filter file for "config" in the material management screen.</p>
MskFilter		VARCHAR2	64	Null	<p>The screen barcode filter name is entered.</p> <p>This is used when reading barcodes if there is no filter file for "config" in the material management screen.</p>

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Row Name	PK	Data Type	Max. Length	Default	Explanation
BplFilter		VARCHAR2	64	Null	The backup plate barcode filter name is entered. This is used when reading barcodes if there is no filter file for "config" in the material management screen.
SqgFilter		VARCHAR2	64	Null	The squeegee barcode filter name is entered. This is used when reading barcodes if there is no filter file for "config" in the material management screen.

SystemTrace [Backup (Write)]

V/(P)

All types of system error log are saved in the SystemTrace table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
ApplicationID		NUMBER	4	Null	ID used to indicate the application. This application ID and the Application Master are linked.
TimeStamp		DATE		Null	Date of occurrence
TimeDetail		NUMBER	4	Null	Records the value in milliseconds on the date of the occurrence.
LineID		NUMBER	4	Null	Indicates the line for which the error log was generated (location at which the error occurred.)
McID		NUMBER	4	Null	Indicates the machine or camera for which the error log was generated (location at which the error occurred.)
Lane		NUMBER	4	Null	Indicates the lane. Triple lanes exist for NXT. There are no lanes for PCC and VME machines, and the setting is therefore fixed as "single lane" for those machines. A "single lane" setting is also used for shuttle conveyors. 0: Single lane (Default) 1: Double lane, LANE 1 Triple lane, LANE 1 2: Double lane, LANE 2 Triple lane, LANE 2 3: Triple lane, LANE 3 "-1" is set for information unrelated to lanes.
ErrorLevel		NUMBER	4	Null	Indicates the message level 1: Error 2: Warning 3: Information

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					4: Other
ErrorCode		VARCHAR2	8	Null	Error code at that time (Hexadecimal notation). The Fuji standard error codes are used. Default value: null
ErrorMsg		VARCHAR2	1024	Null	Shows the error details
Note		VARCHAR2	2048	Null	Shows a supplementary explanation etc. for the message details
EnableMode		NUMBER	4	Null	Indicates whether the Enable function is enabled or disabled. 0: Disabled, 1: Enabled

T_VER

V/P/S

Database version information is saved in the T_VER table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
SID	O	NUMBER	1		This table has a single record. Multiple records can be avoided by using the PK setting and entering a specific setting ahead of time.
VERNO		VARCHAR2	20	Required	Database version number. Format: R2.09.00.00

T_LOC

V/(P)

The locations of current feeders and parts, and part lot information are saved in the T_LOC table. The information for parts no longer used in production is deleted.

Row Name	PK	Data Type	Max. Length	Default	Explanation
LOCMID	O	NUMBER	4	0	Unique integer that identifies the machine.
LOCSTG	O	NUMBER	4	0	Stage number. Set the value below for a new machine (NXT). Module no. x 100 + stage no.
LOCGRP	O	NUMBER	4	0	Group number.
LOCCLS	O	NUMBER	4	0	Class 0:Tape 1:Tray
LOCSLT	O	NUMBER	4	0	Slot number. When parts that will not be used in the recipe are set on a slot specified in the recipe, (LOCSTT=4), this value is the sum of the slot number + 5000.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
LOCSSLT	O	NUMBER	4	0	Subslot number.
LOCSTG	O	NUMBER	4	0	Used only when dynamic allocation function is enabled. The currently allocated stage No.
LOCAGRP	O	NUMBER	4	0	Used only when dynamic allocation function is enabled. The currently allocated group No.
LOCASLT	O	NUMBER	4	0	Used only when dynamic allocation function is enabled. The currently allocated slot No. When parts that will not be used in the recipe are set on a slot specified in the recipe, (LOCSTT=4), this value is the sum of the slot number + 5000.
LOCASSLT	O	NUMBER	4	0	Used only when dynamic allocation function is enabled. The currently allocated subslot No.
LOCSTT		NUMBER	4	0	Stores the allocation status for the recipe configuration (LOCSTG ~ LOCSSLT) when using the dynamic allocation function. Dynamic allocation status: 0: Dynamic allocation is not used. 1: The slot is specified in the recipe, but parts have not yet been allocated to the slot. 2: Parts have been allocated to the slot as specified in the recipe. 3: Parts that were assigned to another slot have been allocated to a slot specified in the recipe. 4: Parts that will not be used in the recipe have been allocated to a slot specified in the recipe. 5: Parts that have been assigned in the recipe have been allocated to a slot that is not specified in the recipe. 6: Parts that will not be used in the recipe have been allocated to a slot that is not specified in the job. Note: When using dual lane production, "Specified in the recipe" means consideration is given to both recipes when allocating parts.
LOCMDF		DATE		Null	Date and time the record was changed.
LOCSTT		NUMBER	4	-1	Device status. Indicates the device status. See " Device status definitions "
LOCDRYSTT		NUMBER	4	0	Indicates the floor life status for dry

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					<p>components.</p> <p>0: Floor life valid</p> <p>1: Floor life up warning</p> <p>2: Floor life up</p> <p>3: Box life up</p>
LOCFIDL		VARCHAR2	15		Unique character string that identifies the feeder.
LOCFIDLX		NUMBER	6	Null	Unique character string to identify the VME machine feeders.
LOCFTYP		NUMBER	4	4	Indicates the feeder type. Refer to "feeder type".
LOCSCF		NUMBER	1	0	Indicates whether a feeder set at the machine is using FIDL or 2ndFIDL. This is set when the feeder is mounted on the machine. 0: FIDL 1: 2ndFIDL
LOCDID		VARCHAR2	31	Null	Unique character string which identifies the part.
LOCBAR		VARCHAR2	64	Null	Part barcode
LOCAVL		VARCHAR2	64	Null	AVL name
LOCRMT		NUMBER	9	-2	Remaining time for production (sec.).
LOCRMBC		NUMBER	9	-2	Remaining number of panels that can be produced (panels).
LOCRMTP		NUMBER	9	-2	<p>Shows the length (cm) of remaining part tape.</p> <p>When a part with a splicing warning value is set and the tape length is measured, the length is recorded. (NXT/ AIM/AIMEX only)</p> <p>-2: Not supported</p> <p>-1: Unknown</p> <p>0~:Tape length (cm) (Whole number)</p>
LOCSPASTT		NUMBER	4	-1	<p>Replacement status for this part.</p> <p>-1: Neither the original or the replaced part.</p> <p>0: Original part for which no alternate feeder setting has been made.</p> <p>1: An original part for which an alternate feeder has been set.</p> <p>2: Set only for another alternate feeder.</p>
LOCSPALOC		VARCHAR2	700	Null	<p>Potential alternate feeder slot</p> <p>Indicates use of 0, 1, 2, or 3 using a bit assignment for each slot.</p> <p>0: This is not the alternate part for this record.</p> <p>1: This is the alternate part for this record</p>

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					(Stage 1). 2: This is the alternate part for this record (Stage 2). 3: This is the alternate part for this record (Stage 1 and Stage 2).
LOCPGID		NUMBER	9	0	The current first program ID
LOCPGID2		NUMBER	9	0	The current second program ID
LOCPGID3		NUMBER	9	0	The current third program ID
LOCUSECNTL1		NUMBER	6	0	Save the number of parts used at Lane 1 for the current production job. ("0" for all machines other than the NXT/AIM/AIMEX)
LOCUSECNTL2		NUMBER	6	0	Save the number of parts used at Lane 2 for the current production job. ("0" for all machines other than the NXT/AIM/AIMEX)
LOCUSECNTL3		NUMBER	6	0	Save the number of parts used at Lane 3 for the current production job for that slot. ("0" for all machines other than the NXT)
LOCGROUPDEV		VARCHAR2	60	Null	Group device name
LOCMASTERFLAG		NUMBER	2	0	Saves if data is for LED or resistor part when using group device management. 0: Resistor 1: LED
LOCLIGHTINGCLASS		VARCHAR2	10 25	Null	Lighting class for the group device management function.
LOCGROUPBOARD		NUMBER	9	0	Saves the production possible board count for LED parts when using the group device management function. Only saved for the first slot record in the same group.
LOCTRAYOUT		NUMBER	9	-2	This is the amount of time taken for the tray unit-LT magazine to move to the escape position. -2: Not supported (For trays without position checking on the tray unit-LT). -1: Not specified. 0~: The amount of time taken for the magazine to move to the escape position.
LOCRETAINERCHECK		NUMBER	4	0	Specify whether to use a retainer presence check. 0: Do not check 1: Check
LOCFEEDERTYPE		NUMBER	4	0	Specify the feeder type. 0: Any feeder 1: W08 2: W08b/W08c

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Row Name	PK	Data Type	Max. Length	Default	Explanation
LOCVALIDTERM		NUMBER	9	0	<p>Specify the valid use period for parts. (Units: mins)</p> <p>*When the default value of 0 is used, no checks are performed for the valid use period.</p>
LOCMOTORFIDL		VARCHAR2	15	NULL	Not currently used.
LOCFTYPE		NUMBER	4	0	<p>Feeder type Setting list / range Type f: 0x90 to 0x9A (Examples) 0x90: Type f 8 mm wide 0x91: Type f 12 mm wide 0x92: Type f 16 mm wide 0x93: Type f 24 mm wide 0x94: Type f 32 mm wide 0x95: Type f 44 mm wide 0x96: Type f 56 mm wide 0x97: Type f 72 mm wide 0x98: Type f 88 mm wide 0x99: Type f 104 mm wide 0x9A: Type f 4 mm wide</p>
LOCFSUBTYPE		NUMBER	9	0	<p>This is the feeder sub type (Tape guide type) Setting list / range 0x00: No guide 0x01: S type 0x02: M type 0x03: L type 0x04: Custom 0x11: S type paper 0x12: S type embossed 0x13: M type paper 0x14: M type embossed 0x15: L type paper 0x16: L type embossed 0x100: Auto Loading Feeder use prohibited 0x105: HexaFeeder paper and auto loading feeder use prohibited 0x106: HexaFeeder emboss and auto loading feeder use prohibited Specifies the trough type when LOCFTYPE is a VAF feeder. Setting list / range</p>

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					0x01: BK02A 0x02: BK04A 0x03: BK04B 0x04: BK06A 0x05: BK06B 0x06: BK10A 0x07: BK10B
LOCUSEWAERMAP		NUMBER	4	0	Specifies whether there is a wafer map for the Fuji Flexa package data. 0: None 1: Present
LOCFIDLC1		VARCHAR2	15	Null	Not currently used.
LOCFIDLC2		VARCHAR2	15	Null	Not currently used.
LOCTSTT		NUMBER	4	-1	Not currently used.
LOCC1STT		NUMBER	4	-1	Not currently used.
LOCC2STT		NUMBER	4	-1	Not currently used.
LOCMASTERPRIORITY		NUMBER	4	0	The priority level when there are multiple lighting class combinations. Used for linking to slave parts.

Index 1 - LOCMID, LOCASLTG, LOCAGRP, LOCCLS, LOCASLT, LOCASSLT

Update timing:

When job changeover is performed at the machine, device data records are added for that machine.

When a feeder is set on the machine (when the feeder ID is read), the data for that feeder and parts is updated.

When parts are spliced, the part data is updated.

When the feeder status changes at the machine, the device status is updated for the feeders in question. For feeder status details, refer to "Device status definitions".

When a used parts count notification is sent from the machine during production (in the case of the NXT, when the current panel is finished at all modules), the remaining production time and remaining panel count are updated.

T_FSSLOC

V

T_FSSLOC table is for managing the set status of feeders in the FSS (Feeder Stock Station).

By referencing this table, it is possible to know which feeders are set in which positions in the FSS.

This is updated when recipes are changed and when feeders are inserted or removed in the same manner as T_LOC.

Row name	PK	Data type	Max length	Default	Explanation
MCID	Yes	NUMBER	4	0	An integer to uniquely identify a machine.

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Row name	PK	Data type	Max length	Default	Explanation
STAGENO	Yes	NUMBER	4	0	The stage number. The following formula is used. Module number x 100 + stage number
GROUPNO	Yes	NUMBER	4	0	The group number. When there are multiple supply units in a device, each supply unit is assigned a number. 1 is the starting number.
CLASS	Yes	NUMBER	4	0	Indicates the class. Refer to "class type". クラスの種類
SLOTNO	Yes	NUMBER	4	0	The slot number. Treated the same as "LOCSLT" from T_LOC table.
SUBSLOT	Yes	NUMBER	4	0	The subslot number.
MODIFIEDDATE		DATE		Null	The modified date for this record.
STATUS		NUMBER	4	-1	The device status. Treated the same as "LOCSTT" from T_LOC table. This indicate the device status. Refer to "Device Status Definition". デバイスステータスの定義
FIDL		VARCHAR2	15	Null	Unique character string that is used to identify the feeder.
FEEDERTYPE		NUMBER	4	4	Indicates the feeder type. Refer to "feeder type". C:\Working\Translating\12_25_2012096_12-25_Nexim_DB_doc\V6.31.0_Nexim-0136_JPN_Oracle-V.docx - フィーダの種類 フィーダの種類
DID		VARCHAR2	31	Null	Character string to identify parts.
PARTBARCODE		VARCHAR2	64	Null	Part barcode
AVLNAME		VARCHAR2	64	Null	AVL name

Index 1 - MCID

T_FID

V

Information about all feeders in the factory is saved in this table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
FIDFIDL	O	VARCHAR2	15		Unique character string that identifies the feeder.
FIDFIDL2		VARCHAR2	15	Null	Unique character string that identifies the feeder. Used for 2ndFIDL.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
FIDDEFLG		NUMBER	1	0	[Explanation] This value is set to "1" when feeder data is deleted. FIDLs that have a delete flag of "1" are treated as deleted data by the system, and are automatically deleted after a specified delay period has passed. *Do not set this field for a user system. [Setting values] / [Setting range] 0: Valid feeder 1: Deleted feeder
FIDFIDLX		NUMBER	6	Null	Unique character string to identify the VME machine feeders.
FIDFID		VARCHAR2	15	Null	ID of the network control chip in the power feeder.
FIDFID2		VARCHAR2	15	Null	ID of the network control chip in the power feeder. Used for 2ndFIDL
FIDNAM		VARCHAR2	32	Null	Feeder name.
FIDTYPCHK		NUMBER	4	0	Indicates whether a feeder type check is performed. 0: No check (Default) 1: Check
FIDTYP		NUMBER	4	4	Indicates the feeder type. Refer to "feeder type". C:\Working\Translating\1225_2012096_12-25_Nexim_DB_doc\V6.31.0_Nexim-0136_JPN_Oracle- V.docx - フィーダの種類
FIDPIT		NUMBER	9	0	Parts pitch (mm).
FIDPITMAX		NUMBER	9	0	Parts pitch (mm) Contains the maximum value when there is a range width for the pitch. This is Null when there is no range width.
FIDCURPIT		NUMBER	9	0	Stores the PIT information for feeders loaded on the NXT.
FIDWDT		NUMBER	9	0	Tape width (mm)
FIDALIAS		VARCHAR2	32	Null	Separate name for the feeder data, or a comment.
FIDSTT		NUMBER	9	0	Feeder status
FIDCNT		NUMBER	9	0	Cumulative feeder feed count beginning from initial registration.
FIDTOTALERR		NUMBER	9	0	Total quantity of unpicked parts and vision error parts. A value is only input for this item when using Advanced Maintenance Lite.
FIDRJP		NUMBER	9	0	Number of parts rejected by machine.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
FIDNPC		NUMBER	9	0	Number of empty pickups. Failed to pickup parts, but parts were not consumed.
FIDPER		NUMBER	9	0	Number of pickup failures. Part pickup failed, and the parts were consumed.
FIDERR		NUMBER	9	0	Number of parts rejected by vision processing.
FIDRSC		NUMBER	9	0	Rescanning count. This is the number of times parts have been rescanned without being dumped.
FIDBRJP		NUMBER	9	0	Number of parts rejected by the machine up to the previous maintenance.
FIDBNPC		NUMBER	9	0	Number of empty pickups (failed pickups in which parts were not consumed) up to the previous maintenance.
FIDBPER		NUMBER	9	0	Number of failed pickups (in which parts were consumed) up to the previous maintenance.
FIDBERR		NUMBER	9	0	Number of parts rejected by vision processing up to the previous maintenance.
FIDBRSC		NUMBER	9	0	Number of rescans up to the previous maintenance.
FIDBDTE		DATE		Null	Date of previous maintenance.
FIDUSR		VARCHAR2	20	Null	Name of operator who performed the previous maintenance.
FIDFMA		NUMBER	9	0	Feeder maintenance warning value. A maintenance warning occurs when the FIDFMC value exceeds this FIDFMA value.
FIDFMC		NUMBER	9	0	Counter value on which feeder maintenance warnings are based.
FIDDMA		NUMBER	9	0	Power feeder's DC motor maintenance warning value. A maintenance warning occurs when the FIDDMC value exceeds this FIDDMA value.
FIDDMC		NUMBER	9	0	Counter value on which power feeder DC motor maintenance warnings are based.
FIDMDATE		DATE		Null	Time and date of maintenance.
FIDMDAYS		NUMBER	9	0	Number of days from previous maintenance to next required maintenance.
FIDCURSPC		NUMBER	4	0	The current number of times that splicing has been performed.
FIDLOC		VARCHAR2	32	Null	Feeder location administration number.
FIDMCTYP		VARCHAR2	32	Null	Not currently used.
FIDSPO		NUMBER	4	0	Flag for existence of splicing sensor. 0: No 1: Yes

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					pick-up position (mm).
FIDSUOF		NUMBER	4	0	Slot offset position
FIDFUSR		VARCHAR2	20	Null	Name of operator who initially created this feeder information.
FIDUSR		VARCHAR2	20	Null	Name of operator who last updated this feeder information.
FIDUSRMDF		DATE		Null	Date at which this feeder information was last updated by the operator.
FIDMCID		NUMBER	4	0	Machine MCID that last updated the feeder information.
FIDMCMDF		DATE		Null	Date at which this feeder information was last updated by the machine.
FIDFMDF		DATE		Null	Date and time the feeder information was first created.
FIDMDF		DATE		Null	Date on which the feeder information was last updated.
FIDMID		NUMBER	4	0	Not currently used.
FIDSTG		NUMBER	4	0	Not currently used.
FIDGRP		NUMBER	4	0	Not currently used.
FIDCLS		NUMBER	4	0	Not currently used.
FIDSLT		NUMBER	4	0	Not currently used.
FIDSSLT		NUMBER	4	0	Not currently used.
FIDMEM		VARCHAR2	255	Null	Remarks concerning this feeder.
FIDNote1		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
FIDNote2		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
FIDNote3		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
FIDNote4		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
FIDMTIME		DATE		Null	Date and time for maintenance status. Performing maintenance causes a default reset.
FIDRETAINERCHECK		NUMBER	4	0	Specify whether the retainer is supported or not. 0: Retainer not supported 1: Retainer supported
FIDMNTCNT		NUMBER	9	0	The number of times that maintenance has been carried out previously.
FIDTOTALRTIME		NUMBER	12	0	Total operating time of feeders since the time of registration [sec].
FIDRTIME		NUMBER	12	0	Total operating time of feeders since the previous maintenance [sec].
FIDLINKDATA		VARCHAR2	15	NULL	Not currently used.
FIDLCASSETTEFLG		NUMBER	1	0	Not currently used.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
FIDFMOTORCO UNT		NUMBER	9	0	Not currently used.
FIDFMOTORTOT ALERR		NUMBER	9	0	Not currently used.
FIDFMOTORRJP		NUMBER	9	0	Not currently used.
FIDFMOTORNP C		NUMBER	9	0	Not currently used.
FIDFMOTORPE R		NUMBER	9	0	Not currently used.
FIDFMOTORER R		NUMBER	9	0	Not currently used.
FIDFMOTORRS C		NUMBER	9	0	Not currently used.
FIDFMOTORFM C		NUMBER	9	0	Not currently used.
FIDFMOTORTOT ALRTIME		NUMBER	12	0	Not currently used.
FIDFMOTORRTI ME		NUMBER	12	0	Not currently used.
FIDRMOTORCO UNT		NUMBER	9	0	Not currently used.
FIDRMOTORTO TALERR		NUMBER	9	0	Not currently used.
FIDRMOTORRJP		NUMBER	9	0	Not currently used.
FIDRMOTORNP C		NUMBER	9	0	Not currently used.
FIDRMOTORPE R		NUMBER	9	0	Not currently used.
FIDRMOTORER R		NUMBER	9	0	Not currently used.
FIDRMOTORRS C		NUMBER	9	0	Not currently used.
FIDRMOTORFM C		NUMBER	9	0	Not currently used.
FIDRMOTORTO TALRTIME		NUMBER	12	0	Not currently used.
FIDRMOTORRTI ME		NUMBER	12	0	Not currently used.
FIDTYPEF		NUMBER	4	0	Type f feeder or not identification 1: Type f feeder 0: Not type f feeder
FIDMSTT		NUMBER	9	0	Feeder status Only used for advanced maintenance.
FIDCHKSTT		NUMBER	9	0	Inspection status 0 (all BIT OFF): Inspection result OK (normal) 1 (BIT0 ON): Torque inspection result NG

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					(not good) 2 (BIT1 ON): Reference mark reading result NG (not good) 4 (BIT2 ON): Stopping accuracy judgment results NG (not good)
FIDLASTSETPA RTBARCODE		VARCHAR2	64	NULL	Has the part barcode loaded in the auto loading feeder, trough.
FIDQTY		NUMBER	9	0	Not currently used.
FIDCLEANINGS TATUS		NUMBER	4	0	Not currently used.
FIDAREA		NUMBER	4	0	Description The area information one belongs to is given. The area is registered to LineNames. Setting list Applicable area Line ID Added field position Added last
FIDSPP		NUMBER	4	0	Explanation Specifies whether splicing is permitted for the DID that is registered with this feeder. Note: Only the NXTR automated feeders are supported currently. (NXTR automated feeders are set to only "not permitted".) 0: Permitted 1: Not permitted

Update timing:

- When a feeder is registered in KIT Manager, a record of that feeder is added.
- When a feeder is edited in KIT Manager, the applicable record is updated.
- When a feeder is deleted in KIT Manager, the applicable record is deleted.
- When a pick-up error notification is sent from the machine (in the case of the NXT, when the current panel is finished at all modules), the feeder error count is updated.
- When a used parts count notification is sent from the machine (in the case of the NXT, when the current panel is finished at all modules), the feeder index count is updated.

T_FEE

V

Remarks concerning feeder types are saved in the T_FEE table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
FEETYP	O	NUMBER	4		Indicates the feeder type. Refer to "feeder type" C:\Working\Translating\1225

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					2012096 12-25 Nexim DB doc\V6.31.0_Nexim-0136_JPN Oracle- V.docx - フィーダの種類
FEEMEM		VARCHAR2	255	Null	Remark concerning this feeder.

The constants in this table have been preset in the database. (See "[T_FEE](#)")

T_DID

V/(P)

Information about all parts in the factory is saved in this table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
DID DID	O	VARCHAR2	31		Unique character string which identifies this part.
DIDDELFLG		NUMBER	1	0	Currently not used
DIDDISABLE		NUMBER	1	0	Specifies the usage status of this part. 0 or Null: The part can be used 1: The part cannot be used
DIDDELFLG		NUMBER	1	0	[Explanation] This value is set to "1" when part data is deleted. IDs that have a delete flag of "1" are treated as deleted data by the system, and are automatically deleted after a specified delay period has passed. *Do not set this field for a user system. [Setting values] / [Setting range] 0: Valid part 1: Deleted part
DIDBase		VARCHAR2	64	Null	Indicates the DID which caused the DID division. If it is the original DID, "Null" is saved. With regard to a 3rd generation DID at an original DID → 2nd generation DID → 3rd generation DID division, the original DID is saved rather than the 2nd generation DID.
DIDS LD		VARCHAR2	31	Null	The ID for the part spliced after this part.
DIDPTN		VARCHAR2	64	Null	Part number.
DIDBAR		VARCHAR2	64	Null	Barcode used to judge if a part is appropriate.
DIDBARNO		VARCHAR2	64	Null	The Original Part Barcode is stored in the case of a part with multiple part vendors.
DIDQTY		NUMBER	9	0	Number of remaining parts.
DIDLOQ		NUMBER	9	0	Count value for "Parts out" warning.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					A parts out warning occurs when the DIDQTY value falls below this value.
DIDSLQ		NUMBER	9	0	Count value for splicing warning. A splicing warning occurs when the DIDQTY value falls below this value.
DIDSLM		NUMBER	9	0	Splicing limit value.
DIDOQTY		NUMBER	9	0	Number of parts available prior to usage.
DIDVND		VARCHAR2	32	Null	Manufacturer (vendor) of this part.
DIDLOT		VARCHAR2	64	Null	Lot number of this part.
DIDDTE		VARCHAR2	32	Null	Date code for this part. (Manufacture date and date received, etc.)
DIDLOC		VARCHAR2	32	Null	Location administration number for this part. Specifies the respective part shelf, dry box, or dry oven part storage location, supporting the dry component and part location administration functions. "Null" is specified when parts are removed from storage.
DIDFUSR		VARCHAR2	20	Null	Name of operator who initially created this part information.
DIDUSR		VARCHAR2	20	Null	Name of operator who last updated this part information.
DIDUSRMDF		DATE		Null	Date at which this part information was last updated by the operator.
DIDMCID		NUMBER	4	0	Machine MCID that last updated the part information.
DIDMCMDF		DATE		Null	Date at which this part information was last updated by the machine.
DIDFMDF		DATE		Null	Date and time the part data was first created.
DIDMDF		DATE		Null	Date and time the part data was last updated.
DIDOPTS		DATE		Null	Date when a dry part was unsealed (opened).
DIDSPC		NUMBER	4	0	Indicates the splicing count. Shows how many spliced parts exist subsequent to this one.
DIDSPP		NUMBER	4	1	Specifies whether splicing is permitted for this part. 0: Not permitted 1: Permitted
DIDSSSTT		NUMBER	4	0	Indicates whether this part has passed by the splicing detection sensor. 0: Not passed 1: Passed
DIDLCR		NUMBER		Not applicable	LCR measurement data

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Row Name	PK	Data Type	Max. Length	Default	Explanation
DIDDRYS		NUMBER	4	0	Not currently used.
DIDDRYTS		DATE		Null	Not currently used.
DIDUSED		NUMBER	9	0	Not currently used.
DIDERR		NUMBER	9	0	Not currently used.
DIDSTT		NUMBER	4	-1	Not currently used.
DIDFIDLX		NUMBER	6	Null	Not currently used.
DIDCPP		NUMBER	9	0	Not currently used.
DIDMID		NUMBER	4	0	Not currently used. Specifies the respective part shelf, dry box, or dry oven MCID, supporting the dry component and part location administration functions. "0" is specified when parts are removed from storage.
DIDSTG		NUMBER	4	0	Not currently used.
DIDGRP		NUMBER	4	0	Not currently used.
DIDCLS		NUMBER	4	0	Not currently used.
DIDSLT		NUMBER	4	0	Not currently use.
DIDSSLT		NUMBER	4	0	Not currently used.
DIDRJP		NUMBER	9	0	Machine condition part rejections The number of parts rejected due to machine conditions.
DIDNPC		NUMBER	9	0	Number of empty pickups Failed pickups in which parts were not consumed.
DIDPER		NUMBER	9	0	Number of failed pickups Part pickup failed and the parts were consumed
DIDVERR		NUMBER	9	0	Number of parts rejected by vision processing errors The number of parts that were rejected due to vision processing errors.
DIDRSC		NUMBER	9	0	Rescans The number of times parts were not rejected and rescanned.
DIDLIGHTING		VARCHAR2	40 25	Null	Specifies the part lighting class used by the group device management function. This is Null for parts not using the group device management function.
DIDSAFETYCNT		NUMBER	9	0	This is the set group device limit when using the group device management function. 0 to 99999
DIDMIDOrg		NUMBER	4	0	Specifies the prescribed shelf name for parts that are managed by the parts navigation function.
DIDLOCOrg		VARCHAR2	32	Null	Specifies the prescribed shelf number for parts that are managed by the parts

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					navigation function.
DIDCheckinCount		NUMBER	9	0	Specifies the number of times parts were checked into storage when using the parts navigation function.
DIDTRAYPACKAGE		NUMBER	1	0	Specifies whether to use package management for tray parts. 0: Disable tray package management 1: Enable tray package management
DIDMEM		VARCHAR2	255	Null	Remarks for this part
DIDNote1		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
DIDNote2		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
DIDNote3		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
DIDNote4		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
DIDPTYP		NUMBER	4	4	Indicates the feeder type. Refer to "feeder type" C:\Working\Translating\1225_2012096_12-25_Nexim_DB_docV6.31.0_Nexim-0136_JPN_Oracle-V.docx - フィーダの種類
DIDSPCHK		NUMBER	4	0	When performing double checks of splicing, the administrator determines whether or not splicing is required. Setting list / range 0: Normal permission splicing Status Or, splicing not performed 1: Waiting for administrator check
DIDPARTSCHG		NUMBER	4	0	Not currently used
DIDSHAPE		VARCHAR2	64	NULL	Not currently used
DIDPACKAGE		VARCHAR2	64	NULL	Not currently used
DIDCONNECT		NUMBER	1	0	Not currently used.
DIDTARGETMC		NUMBER	4	NULL	Not currently used.
DIDCAVITYF		NUMBER	9	-1	Quantity of empty cavities during splicing (for tape being spliced to)
DIDCAVITYR		NUMBER	9	-1	Quantity of empty cavities during splicing
DIDMODULE		NUMBER	4	0	Registers the module scheduled to use the DID.
DIDHSTBAR		VARCHAR2	64	NULL	Part barcode name to be reported to upper host
DIDLCRMEASURE MODE		NUMBER	4	0	Measuring mode 0. Not measured 1. L (H: Henry) 2. C (F: Farad) 3. R (Ω : Ohm)

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Row Name	PK	Data Type	Max. Length	Default	Explanation
DIDLCREXPECTED VALUE		NUMBER	32,16	0.0	Expected value
DIDLCRMEREASURE DVALUE		NUMBER	32,16	0.0	Measured value
DIDAREA		NUMBER	4	0	Description The area information one belongs to is given. The area is registered to LineNames. Setting list Applicable area Line ID Added field position Added last
DIDSETLOC		VARCHAR2	32	NULL	The location one belongs to is given. Because the system can be switched, "NULL" is also possible.
DIDSETMID		NUMBER	4	0	Register machine information for parts set on machines.
DIDALLOCQTY		NUMBER	9	0	Allocated quantity Quantity of all added values for ALLOCQTY in the T_ALLOCATION table. This is updated when the allocation information is updated.
DIDDEPOSITCODE		VARCHAR2	64	NULL	Deposit code
DIDALLOCATIONB LOCK		NUMBER	4	0	Flag for whether allocating the corresponding part is permitted. 0: Allocation is permitted. 1: Allocation is not permitted.

Update timing:

- When reel or tray part data is registered in KIT Manager, records are added for those parts.
 - When reel or tray part data is edited in KIT Manager, records are updated for those parts.
 - When reel or tray part data in KIT Manager, the applicable records are deleted.
 - When performing quick verification while in DID auto registration mode, records are added for those parts.
 - When performing splicing verification, the part ID for the newly spliced parts is set as the DIDSID for the applicable record (previous part) (NXT/AIM/AIMEX)
 - When performing verification in External Changeover while in DID auto registration mode, records are added for those parts.
 - When a used parts count notification is sent from a machine during production (in the case of the NXT, when the current panel is finished at all modules), the applicable records are updated.
- When records in T_DID are deleted, delete records from the following the related tables. T_DRY, T_TRAY, T_ID, T_RSV, T_DIDNavi, T_SLOTNavi

T_DID_BACKUP

V

Part information deleted by the application is temporarily saved in the T_DID_BACKUP table.

Row Name	P K	Data Type	Max. Length	Default	Explanation
DIDDID	O	VARCHAR2	31		Unique character string which identifies this part.
DIDDISABLE		NUMBER	1	0	Specifies the usage status of this part. 0 or Null: The part can be used 1: The part cannot be used
DIDDEL	O	DATE			Date/time when parts-out cancel occurred.
DIDDELUSR		VARCHAR2	20	Null	Operator name who deleted this part,
DIDBase		VARCHAR2	64	Null	Indicates the DID which caused the DID division. If it is the original DID, "Null" is saved. With regard to a 3rd generation DID at an original DID → 2nd generation DID → 3rd generation DID division, the original DID is saved rather than the 2nd generation DID.
DIDPTN		VARCHAR2	64	Null	Part number.
DIDBAR		VARCHAR2	64	Null	Barcode used to judge if a part is appropriate.
DIDBARNO		VARCHAR2	64	Null	The Original Part Barcode is stored in the case of a part with multiple part vendors.
DIDQTY		NUMBER	9	0	Number of remaining parts.
DIDLOQ		NUMBER	9	0	Count value for "Parts out" warning. A parts out warning occurs when the DIDQTY value falls below this value.
DIDSLQ		NUMBER	9	0	Count value for splicing warning. A splicing warning occurs when the DIDQTY value falls below this value.
DIDSLM		NUMBER	9	0	Splicing limit value.
DIDOQTY		NUMBER	9	0	Number of parts available prior to usage.
DIDVND		VARCHAR2	32	Null	Manufacturer (vendor) of this part.
DIDLOT		VARCHAR2	64	Null	Lot number of this part.
DIDDTE		VARCHAR2	32	Null	Date code for this part. (Receiving date, etc.)
DIDLOC		VARCHAR2	32	Null	Location administration number for this part.
DIDFUSR		VARCHAR2	20	Null	Name of operator who initially created this part information.
DIDUSR		VARCHAR2	20	Null	Name of operator who last updated this part information.
DIDUSRMDF		DATE		Null	Date at which this part information was last updated by the operator.
DIDFMDF		DATE		Null	Date and time the part data was first created.
DIDMDF		DATE		Null	Date and time the part data was last updated.

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Row Name	P K	Data Type	Max. Length	Default	Explanation
DIDMCID		NUMBER	4	0	Machine MCID that last updated the part information.
DIDMCMDF		DATE		Null	Date at which this part information was last updated by the machine.
DIDOPTS		DATE		Null	Date when a dry part was unsealed (opened).
DIDSPC		NUMBER	4	0	Indicates the splicing count. Shows how many spliced parts exist subsequent to this one.
DIDSPP		NUMBER	4	1	Specifies whether splicing is permitted for this part. 0: Not permitted 1: Permitted
DIDSSSTT		NUMBER	4	0	Indicates whether this part has passed by the splicing detection sensor. 0: Not passed 1: Passed
DIDLCR		NUMBER	None	0	LCR measurement data
DIDDRYS		NUMBER	4	0	Not currently used.
DIDDRYTS		DATE		Null	Not currently used.
DIDUSED		NUMBER	9	0	Not currently used.
DIDERR		NUMBER	9	0	Not currently used.
DIDSTT		NUMBER	4	-1	Not currently used.
DIDFIDLX		NUMBER	6	Null	Not currently used.
DIDCPP		NUMBER	9	0	Not currently used.
DIDMID		NUMBER	4	0	Not currently used.
DIDSTG		NUMBER	4	0	Not currently used.
DIDGRP		NUMBER	4	0	Not currently used.
DIDCLS		NUMBER	4	0	Not currently used.
DIDSLT		NUMBER	4	0	Not currently use.
DIDSSLT		NUMBER	4	0	Not currently used.
DIDRJP		NUMBER	9	0	Machine condition part rejections The number of parts rejected due to machine conditions.
DIDNPC		NUMBER	9	0	Number of empty pickups. Failed to pick up parts but the parts were not consumed.
DIDPER		NUMBER	9	0	Number of failed pickups. Part pickup failed and the parts were consumed.
DIDVERR		NUMBER	9	0	Vision processing part rejections The number of parts rejected by vision processing errors.
DIDRSC		NUMBER	9	0	Rescans The number of times parts were not rejected

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Row Name	P K	Data Type	Max. Length	Default	Explanation
					but rescanned.
DIDLIGHTING		VARCHAR2	40 25	Null	Specifies the part lighting class used by the group device management function. This is Null for parts not using the group device management function.
DIDSAFETYCNT		NUMBER	9	0	This is the set group device limit when using the group device management function. 0 to 99999
DIDMIDOrg		NUMBER	4	0	Specifies the prescribed shelf name for parts that are managed by the parts navigation function.
DIDLOCOrg		VARCHAR2	32	Null	Specifies the prescribed shelf number for parts that are managed by the parts navigation function.
DIDCheckinCount		NUMBER	9	0	Specifies the number of times parts were checked into storage when using the parts navigation function.
DIDTRAYPACKAGE		NUMBER	1	0	Specifies whether to use package management for tray parts. 0: Disable tray package management 1: Enable tray package management
DIDMEM		VARCHAR2	255	Null	Remarks for this part
DIDNote1		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
DIDNote2		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
DIDNote3		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
DIDNote4		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
DIDPTYP		NUMBER	4	4	Indicates the feeder type. Refer to "feeder type". C:\Working\Translating\1225_2012096_12-25_Nexim_DB_doc\V6.31.0_Nexim-0136_JPN_Oracle-V.docx - フィーダの種類
DIDSPCHK		NUMBER	4	0	When performing double checks of splicing, the administrator determines whether or not splicing is required. Setting list / range 0: Normal permission splicing Status Or, splicing not performed 1: Waiting for administrator check
DIDPARTSCHG		NUMBER	4	0	Not currently used
DIDSHAPE		VARCHAR2	64	NULL	Not currently used
DIDPACKAGE		VARCHAR2	64	NULL	Not currently used

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Row Name	P K	Data Type	Max. Length	Default	Explanation
DIDCONNECT		NUMBER	1	0	Not currently used.
DIDTARGETMC		NUMBER	4	NULL	Not currently used.
DIDCAVITYF		NUMBER	9	-1	Quantity of empty cavities during splicing (for tape being spliced to)
DIDCAVITYR		NUMBER	9	-1	Quantity of empty cavities during splicing
DIDMODULE		NUMBER	4	0	Registers the module scheduled to use the DID.
DIDHSTBAR		VARCHAR2	64	NULL	Part barcode name to be reported to upper host
DIDLCRMESUREMO DE		NUMBER	4	0	Measuring mode 0. Not measured 1. L (H: Henry) 2. C (F: Farad) 3. R (Ω: Ohm)
DIDLCREXPECTEDVA LUE		NUMBER	32,16	0.0	Expected value
DIDLCRMESUREDV ALUE		NUMBER	32,16	0.0	Measured value
DIDAREA		NUMBER	4	0	Description The area information one belongs to is given. The area is registered to LineNames. Setting list Applicable area Line ID Added field position Added last
DIDSETLOC		VARCHAR2	32	NULL	The location one belongs to is given. Because the system can be switched, "NULL" is also possible.
DIDSETMID		NUMBER	4	0	Register machine information for parts set on machines.
DIDALLOCQTY		NUMBER	9	0	Allocated quantity Quantity of all added values for ALLOCQTY in the T_ALLOCATION table. This is updated when the allocation information is updated.
DIDDEPOSITCODE		VARCHAR2	64	NULL	Deposit code
DIDLOCATIONBLO CK		NUMBER	4	0	Flag for whether allocating the corresponding part is permitted. 0: Allocation is permitted. 1: Allocation is not permitted.

Update timing:

When reel or tray part data is deleted in KIT Manager, the applicable records are deleted.

T_DRY

V/(P)

The time limit for using a dry component is saved for each part type (part barcode) in the T_DRY table.
No table is created from non-dry components.

Row Name	PK	Data Type	Max. Length	Default	Explanation
DID	O	VARCHAR2	64		Unique character string to identify the part. In the case of dry components, a link is established with the DIDID for the T_DID.
DryStatus		NUMBER	4	0	Indicates the dry component open status. 0: Unopened parts 1: Stored in dry oven 2: Stored in dry box 3: Currently used (Performing floor life count.)
MBBOutTime		DATE		Null	Indicates the length of time the dry components have been opened, the length of time they have been stored in the dry box or oven, and the amount of time they have been removed from the dry box or oven. This value is recorded in Greenwich Mean Time (GMT).
RemainFloorLife		NUMBER	9	-1	Indicates the length of time (min.) until rebaking. The count down is stopped when stored in the dry box. This time is reset to the specified floor life time when baked. When set to "-1", the parts are determined to be unopened or non-dry components. Default: -1
BakeCount		NUMBER	4	0	Records the number of times baking is performed. This value is "0" when the dry components are unopened.
RemainBakeTime		NUMBER	9	0	Displays the amount of time until baking is complete. The item is set when the part enters the dry oven and set to "-1" when the part leaves the oven If a part is removed before baking is completed, this item is not cleared.
RemainBoxLife		NUMBER	9	-1	Indicates the box life remaining until next bakeis required. The countdown is paused for all times except being stored in a dry box. Reset by the specified box life when baking

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					<p>is performed.</p> <p>-1: No count or judged not to be a dry component.</p> <p>Default: -1</p>

T_DRY_BACKUP

V

Similarly with the T_DID table, dry component part information deleted by the application is temporarily saved in the T_DRY_BACKUP table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
DID	O	VARCHAR2	64		<p>Unique character string to identify the part.</p> <p>In the case of dry components, a link is established with the DIDID for the T_DID.</p>
DeleteTime	O	DATE			<p>Indicates the deletion time when the DID is deleted.</p> <p>The value is set to the same value as the T_DID_BACKUP.DIDDEL.</p>
DryStatus		NUMBER	4	0	<p>Indicates the dry component open status.</p> <p>0:: Unopened parts 1:: Stored in dry oven 2:: Stored in dry box 3:: Currently used ((Performing floor life count.))</p>
MBBOutTime		DATE		Null	<p>Indicates the length of time the dry components have been opened, the length of time they have been stored in the dry box or oven, and the amount of time they have been removed from the dry box or oven.</p> <p>This value is recorded in Greenwich Mean Time (GMT).</p>
RemainFloorLife		NUMBER	9	-1	<p>Indicates the length of time (min.) until rebaking.</p> <p>The count down is stopped when stored in the dry box.</p> <p>This time is reset to the specified floor life time when baked.</p> <p>When set to "-1", the parts are determined to be unopened or non-dry components.</p> <p>Default: -1</p>
BakeCount		NUMBER	4	0	<p>Records the number of times baking is performed.</p> <p>This value is "0" when the dry components are unopened.</p>
RemainBakeTime		NUMBER	9	0	Displays the amount of time until baking is

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					<p>complete.</p> <p>The item is set when a part enters the dry oven and set to "-1" when the part leaves the oven</p> <p>If a part is intentionally removed during baking, this item is not cleared.</p>
RemainBoxLife		NUMBER	9	-1	<p>The countdown is paused for all times except being stored in a dry box.</p> <p>Reset by the specified box life when baking is performed.</p> <p>-1: No count or judged not to be a dry component.</p> <p>Default: -1</p>

T_TRAY

V

The tray part pickup START position information (T_DID) is saved for each part at the T-TRAY table.
~~Operation is possible without this information.~~ This table is created only when using tray parts.

Row Name	PK	Data Type	Max. Length	Default	Explanation
DID	O	VARCHAR2	64		Unique character string for part identification. When using trays, this item is linked to the T_DID's "DID DID" item.
Pos X		NUMBER	4	1	Indicates the part's pickup START position when supplying tray parts. This setting is specified at tray verify operations as "1" (Default) or higher.
PosY		NUMBER	4	1	Indicates the part's pickup START position when supplying tray parts. This setting is specified at tray verify operations as "1" (Default) or higher.
TrayCount		NUMBER	4	1	Indicates the number of tray stack levels when supplying tray parts. A value of "1" (Default) or higher is indicated.
TrayXMax		NUMBER	4	0	<p>Indicates tray size (part quantity) in X-direction.</p> <p>This is basic data for calculating part quantity for one tray.</p> <p>Make this "0" for parts other than tray parts.</p>
TrayYMax		NUMBER	4	0	<p>Indicates tray size (part quantity) in Y-direction.</p> <p>This is basic data for calculating part quantity for one tray.</p> <p>Make this "0" for parts other than tray parts.</p>

Update timing:

When tray part data is registered in KIT Manager, the applicable records are added.

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When tray part data is edited in KIT Manager, the applicable records are updated.
 When tray part data is deleted in KIT Manager, the applicable records are deleted.
 When tray verification is performed while in DID auto registration mode, records are added for those tray parts.
 When tray verification is performed, the tray pick-up start position and number of tray stack levels are updated.

T_TRAY_BACKUP

V

Application-deleted tray part information is stored here, together with T_DID data.

Saves the tray part pickup START position for each part (T_DID). ~~Operation is possible even without this information.~~ This information is only created for tray parts.

Row Name	PK	Data Type	Max. Length	Default	Explanation
DID	O	VARCHAR 2	64		Unique character string for part identification. When using trays, this item is linked to the T_DID's "DID DID" item.
DeleteTime	O	DATE			
Pos X		NUMBER	4	1	Indicates the part's pickup START position when supplying tray parts. This setting is specified at tray verify operations as "1" (Default) or higher.
PosY		NUMBER	4	1	Indicates the part's pickup START position when supplying tray parts. This setting is specified at tray verify operations as "1" (Default) or higher.
TrayCount		NUMBER	4	1	Indicates the number of tray stack levels when supplying tray parts. A value of "1" (Default) or higher is indicated.
TrayXMax		NUMBER	4	0	Indicates tray size (part quantity) in X-direction. This is basic data for calculating part quantity for one tray. Make this "0" for parts other than tray parts.
TrayYMax		NUMBER	4	0	Indicates tray size (part quantity) in Y-direction. This is basic data for calculating part quantity for one tray. Make this "0" for parts other than tray parts.

Update timing:

When tray part data is deleted in KIT Manager, the applicable record is deleted.

T_PBAR

V

Conversion codes for the barcodes used to determine part suitability are saved in the T_PBAR table.

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This table is used when the application converts manufacturer part barcodes to barcodes that are used to manage the parts in the factory.

Row Name	PK	Data Type	Max. Length	Default	Explanation
PBARNO	O	VARCHAR2	64		Pre-conversion barcode. The following wildcards can be used *: Character string processing ? : 1(Single)-character processing
PBARPTN		VARCHAR2	64	Null	Part number
PBARBAR		VARCHAR2	64	Null	Post-conversion part barcode.
PBARQTY		NUMBER	9	0	Number of parts after conversion.
PBARFTYP		NUMBER	4	Null	Indicates the feeder type. Refer to "feeder type" C:\Working\Translating\1225_2012096_12-25_Nexim_DB_docV6.31.0_Nexim-0136_JPN_Oracle-V.docx - フィーダの種類
PBARFPIT		NUMBER	9	Null	Parts pitch (mm)
PBARWDT		NUMBER	9	Null	Tape width (mm)
PBARLOQ		NUMBER	9	0	Parts out notification value for part after conversion
PBARSLQ		NUMBER	9	0	Splicing notification value for part after conversion
PBARSLM		NUMBER	9	0	Splicing limit value for part after conversion
PBARVND		VARCHAR2	32	Null	Vendor of parts after conversion.
PBARLOT		VARCHAR2	64	Null	Lot number of parts after conversion.
PBARDTE		VARCHAR2	32	Null	Date code for the part after conversion.
PBARLOC		VARCHAR2	32	Null	Shelf number of the part after conversion.
PBARJOB		NUMBER	4	0	This flag indicates whether the part is fixed in the job.
PBARSPP		NUMBER	4	1	Specifies whether splicing is permitted for this part. 0: Not permitted 1: Permitted
PBARLCR		NUMBER	4	0	LCR class 0: Coil 1: Capacitor 2: Resistor
PBARLMT		NUMBER	4	0	LCR measurement value tolerance class 0: No LCR check performed. 1: Tolerance specified based on value. 2: Tolerance specified based on percentage.
PBARNOR		NUMBER	Not applicable	0	Not used when tolerance specified based on value. Tolerance reference value when tolerance specified based on percentage.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
PBARUPP		NUMBER	Not applicable	0	Upper limit when tolerance specified based on value. Percentage of upper limit when tolerance specified based on percentage.
PBARLOW		NUMBER	Not applicable	0	Lower limit when tolerance specified based on value. Percentage of lower limit when tolerance specified based on percentage.
PBARFEQ		NUMBER	9	0	Measurement frequency
PBARVOL		NUMBER	9	0	Measurement voltage
PBARMEM		VARCHAR2	255		Remarks concerning the conversion code.
PBARDRYTYP		VARCHAR2	64	Null	Indicates the ID code (BodyThickness) based on the part thickness etc. This is used for dry components, and is set to "Null" for all other parts.
PBARMSLVL		VARCHAR2	4	Null	Indicates the dry component MSLevel. The levels are 1, 2, 2a, 3, 4, 5, 5a, and 6. This is used for dry components, and is set to "Null" for all other parts.
PBARTRYX		NUMBER	4	0	Indicates the X-direction tray size (part quantity). This is a reference value used to calculate the number of parts per tray. When not using tray parts, the value is "0".
PBARTRYY		NUMBER	4	0	Indicates the Y-direction tray size (part quantity). This is a reference value used to calculate the number of parts per tray. When not using tray parts, the value is "0".
PBARTRYMATRIX		VARCHAR2	1024	Null	Records the matrix information which indicates the tray parts layout. Data is stored as follows, with 4 bits of information expressed by a hexadecimal "F" (not yet supported): 1: Parts present 0: Parts absent
PBARUSELIMIT		NUMBER	4	0	Usage limit for parts. If this limit exceeds the value on the date code of the part, new part registration cannot be performed. 0: Not checked Range: 0 to 730 days.
PBARDTEFORMAT		VARCHAR2	32	NULL	Part date code format. Input is necessary if there is a usage limit value. At present, specified as a string. YY: Year WW: Week (in a year)
PBARNote1		VARCHAR2	64	Null	Shows information entered by the user as a spare field.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
PBARNote2		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
PBARNote3		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
PBARNote4		VARCHAR2	64	Null	Shows information entered by the user as a spare field.
PBARMDF		DATE		01-1 - 1900 12:00:00 AM	[Explanation] Records the last modified time after part master is modified. This is updated each time a part master is newly created or modified.
PBARSAFETYCNT		NUMBER	9	0	This specifies the group device limit used for the group device management function. 0 to 99999
PBARTRAYPACKAGE		NUMBER	1	0	Specifies whether to use package management for tray parts. 0: Disable tray package management 1: Enable tray package management
CPBARPTN		VARCHAR2	1	Null	These items are set when they are required for DID registration. These settings are applicable for No DID mode as well.
CPBARBAR		VARCHAR2	1	Null	
CPBARQTY		VARCHAR2	1	Null	
CPBARLOQ		VARCHAR2	1	Null	
CPBARSQ		VARCHAR2	1	Null	
CPBARSML		VARCHAR2	1	Null	
CPBARVND		VARCHAR2	1	Null	
CPBARLOT		VARCHAR2	1	Null	
CPBARDTE		VARCHAR2	1	Null	
CPBARLOC		VARCHAR2	1	Null	
CPBARMEM		VARCHAR2	1	Null	
CPBARNOTE1		VARCHAR2	1	Null	
CPBARNOTE2		VARCHAR2	1	Null	
CPBARNOTE3		VARCHAR2	1	Null	
CPBARNOTE4		VARCHAR2	1	Null	
CPBARLIGHTING		VARCHAR2	1	Null	For required checks for lighting class
CPBARSAFETYCNT		VARCHAR2	1	Null	For required checks for the group device limit
PBARUNPSTCHK		NUMBER	4	0	DID affix check off flag 0: DID affix check on 1: DID affix check off
PBARTRYQTY		NUMBER	9	0	Tray part quantity after converting
PBARPARTSCHG		NUMBER	4	0	Not currently used
PBARSHAPE		VARCHAR2	64	NULL	Not currently used
PBARPACKAGE		VARCHAR2	64	NULL	Not currently used
PBARDIRECTION		NUMBER	4	0	Not currently used

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Row Name	PK	Data Type	Max. Length	Default	Explanation
DIDHSTBAR		VARCHAR2	64	NULL	Part barcode name to be reported to upper host
PBARDORESERVATION		NUMBER	1	-1	Whether the part can be allocated or not. -1: Not in use 0: No 1: Yes
PBARMARGIN		NUMBER	3,2	0	The margin percentage to be maintained to allocate this part. The integer value is three digits. The decimal point is up to the second digit.
PBARMARGINQTY		NUMBER	9	0	Marging for picking the part (part quantity)

Update timing:

When a part master is registered in KIT Manager, a record is added for that part type.

When a part master is edited in KIT Manager, the applicable record is updated.

When a part master is deleted in KIT Manager, the applicable record is deleted.

T_ID

V

Data about the link between the feeders and reel parts is saved in the T_ID table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
IDFIDL	O	VARCHAR2	15		Unique integer to identify the feeder.
IDFIDLX		NUMBER	6	Null	Unique character string to identify the VME machine feeders.
IDFID		VARCHAR2	15	Null	ID of the internal network control chip in the feeders.
IDDID		VARCHAR2	31	Null	Unique integer to identify the part.
IDBAR		VARCHAR2	64	Null	Part barcode.
IDSTT		NUMBER	4	-1	Device status. Indicates the device status. See " Device status definitions "
IDUSR		VARCHAR2	20	Null	User ID that registered the ID data.
IDMDF		DATE		Null	Date and time the ID data was changed.
VALIDIDFLG		NUMBER	1	1	Specifies whether the ID data in the record is valid. 0: Invalid 1: Valid
IDDIDType		NUMBER	1	0	Specifies the DID type configured in the ID relationship. 0: DID 1: Temporary DID
LCRMEASURE		NUMBER	4	0	Not currently used
CHANGEOVERSTA		NUMBER	4	0	Indicates whether the feeder with the serial

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Row Name	PK	Data Type	Max. Length	Default	Explanation
TUS					<p>number specified in IDFIDL that is not to be used in production is to be collected.</p> <p>This is an item required for automatic feeder exchange by the loader.</p> <p>0: Feeder is used in production 1: Feeder is to be collected</p>
IDTROUGHID		VARCHAR2	15	NULL	Specifies the trough ID. "NULL" is set for all other cases.

Update timing:

When parts and feeder links have been specified and reel part data is deleted in KIT Manager, the applicable records are deleted.

When parts and feeder links have been specified and tray part data is deleted in KIT Manager, the applicable records are deleted.

When job changeover is performed at the machine, the applicable records are updated.

When quick verification is performed, records are added for those feeders.

When quick verification is performed, the records for the previous feeders are deleted.

If the feeder status changes at the machine, the device status is updated for the feeders. For the feeder status, refer to "Device status definitions".

When verification is performed for External Changeover, records are added for those feeders.

When verification is performed for External Changeover, the applicable records are updated.

When verification is performed for External Changeover, the previous feeder records are deleted.

T_RSV

V

Quick Verification reservation data is saved in the T_RSV table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
RSVMID	O	NUMBER	4	0	Unique character string to identify the machine.
RSVSTG	O	NUMBER	4	0	Stage number. Set the value below for a new machine. Module no. x 100 + stage no.
RSVGRP	O	NUMBER	4	0	Group number.
RSVCLS	O	NUMBER	4	0	Class
RSVSLT	O	NUMBER	4	0	Slot number.
RSVSSLT	O	NUMBER	4	0	Subslot number.
RSVSTT		NUMBER	4	0	Device reservation status. 0:: No reservation 1:: Reserving 2: Reservation complete
RSVMCNAM		VARCHAR2	64	Null	Name of reserved machine.
RSVUSR		VARCHAR2	20	Null	ID of user who created the reservation.
RSVFIDL	O	VARCHAR2	15		Feeder for the reserved slot.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
RSVDID		VARCHAR2	31	Null	Part for the reserved slot.
RSVBAR		VARCHAR2	64	Null	Barcode used to determine appropriateness of part.
RSVAL		VARCHAR2	64	Null	AVL name
RSVFSSSET		NUMBER	4	0	Indicates whether the feeder has been set to a buffer station or base buffer in the movable range of the Smart Loader. 0: Feeder is not set. 1: Feeder is set.

Update timing:

- When reel part data is deleted in KIT Manager, the applicable records are deleted.
- When tray part data is deleted in KIT Manager, the applicable records are deleted.
- When quick verification is performed, records are added for those feeders (trays).
- The feeders (trays) are set on the machine (when feeder IDs are read), the applicable records are deleted.
- When splicing verification is performed, the applicable records are deleted.

T_TEMPTRAY

V

Related information for temporary created DIDs from T_TEMP DID is stored in the T_TEMPTRAY table.
This is currently not supported.

Row Name	PK	Data Type	Max. Length	Default	Explanation
DID	0	VARCHAR2	64		Character string to identify parts. For trays, this is linked to the DID DID of the T_TEMP DID table.
Pos X		NUMBER	4	0	Displays the pickup start position during tray parts supply. This value is set during tray verification. This value is 0 (default) or larger.
PosY		NUMBER	4	0	Displays the pickup start position during tray parts supply. This value is set during tray verification. This value is 0 (default) or larger.
TrayCount		NUMBER	4	1	Reports the number of stacked trays during tray parts supply. This value is 1 (default) or larger.
TrayXMax		NUMBER	4	0	Indicates tray size (part quantity) in X-direction. This is basic data for calculating part quantity for one tray. Make this "0" for parts other than tray parts.
TrayYMax		NUMBER	4	0	Indicates tray size (part quantity) in Y-

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					<p>direction.</p> <p>This is basic data for calculating part quantity for one tray.</p> <p>Make this "0" for parts other than tray parts.</p>

T_TEMP DID

V

Temporary created DIDs when verifying trays without DIDs is stored in the T_TEMP DID table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
DID DID	O	VARCHAR2	31		Character string to identify parts. This is the actual assigned DID.
DID MID		NUMBER	4	0	ID for the machine that part is loaded on.
DID STG		NUMBER	4	0	The machine stage number for the part. For the NXT/AIM/AIMEX, the module number x 100 + the stage number.
DID GRP		NUMBER	4	0	The machine group number for the part.
DID SLT		NUMBER	4	0	The machine slot number for the part.
DID SSLT		NUMBER	4	0	The machine subslot number for the part.
DID SOURCE		VARCHAR2	15	Null	The character string for the original when using a temporary DID number.
DID DISABLE		NUMBER	1	0	Specifies the part permission. 0 or Null: The part can be used 1: The part cannot be used
DID LAST		NUMBER	3	1	A maximum of 20 provisional DIDs, composed of machine ID and part position data. Stores the DID numbers currently in use.
DID DEL		NUMBER	1	0	Specifies whether a DID has been deleted. 0:DIDs in use 1:Deleted DIDs only
DID Base		VARCHAR2	64	Null	Specifies the original DID when DIDs are divided. Nothing is stored for the original DID. When a DID is divided into an original, 2nd and 3rd generation DID, the original DID is stored for the 3rd generation ID.
DID SLD		VARCHAR2	31	Null	Part ID of the part spliced to this part.
DID PTN		VARCHAR2	64	Null	Part number
DID BAR		VARCHAR2	64	Null	Barcode to determine the validity of a part.
DID BAR NO		VARCHAR2	64	Null	The original part barcode is stored for multivendor parts.
DID QTY		NUMBER	9	0	The number of parts remaining.
DID LOQ		NUMBER	9	0	Parts out warning setting. A parts out warning occurs when DID QTY

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					falls below this value.
DIDSLQ		NUMBER	9	0	Splicing warning value. A splicing warning occurs when DIDQTY falls below this value.
DIDSLM		NUMBER	9	0	Splicing limit value.
DIDOQTY		NUMBER	9	0	The number of parts before use.
DIDVND		VARCHAR2	32	Null	Vendor for this part.
DIDLOT		VARCHAR2	64	Null	The lot number for this part.
DIDDTE		VARCHAR2	32	Null	Date code for this part. (Date received, etc.)
DIDLOC		VARCHAR2	32	Null	Location administration number for this part. When dry component management or part location management is supported, the part location is set when the parts is placed in the part store shelf, dry box and dry oven. The setting is cleared when the part is removed from storage.
DIDFUSR		VARCHAR2	20	Null	Name of the operator who first created the part data.
DIDUSR		VARCHAR2	20	Null	Name of the operator who last updated the part data.
DIDUSRMDF		DATE		Null	Date and time the part information was last updated by an operator.
DIDMCID		NUMBER	4	0	The MCID of the machine that last updated this part information.
DIDMCMDF		DATE		Null	Date and time the part information was last updated by a machine.
DIDFMDF		DATE		Null	Date and time the part data was first created.
DIDMDF		DATE		Null	Date and time the part data was last updated.
DIDOPTS		DATE		Null	Date and time the tray part was opened.
DIDSPC		NUMBER	4	0	Counts the number of time splicing has been performed. Indicates the splicing count. Shows how many spliced parts exist subsequent to this one.
DIDSPP		NUMBER	4	1	Specifies whether splicing is permitted for this part. 0:Not permitted 1:Permitted
DIDSSSTT		NUMBER	4	0	Indicates whether this part has passed by the splicing detection sensor. 0:Not passed 1:Passed
DIDLCR		NUMBER	Not applicable	0	LCR measurement data
DIDDRYS		NUMBER	4	0	Not currently used
DIDDRYTS		DATE		Null	Not currently used

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Row Name	PK	Data Type	Max. Length	Default	Explanation
DIDUSED		NUMBER	9	0	Not currently used
DIDERR		NUMBER	9	0	Not currently used
DIDSTT		NUMBER	4	-1	Not currently used
DIDFIDLX		NUMBER	6	Null	Not currently used
DIDCPP		NUMBER	9	0	Not currently used
DIDCLS		NUMBER	4	0	Indicates the class. 0: Tape 1: Tray
DIDRJP		NUMBER	9	0	Machine condition part rejections The number of parts rejected due to machine conditions. Not currently used.
DIDNPC		NUMBER	9	0	Number of empty pickups. Failed to pick up parts but the parts were not consumed. Not currently used.
DIDPER		NUMBER	9	0	Wasted parts Part pickup failed and the parts were consumed Not currently used.
DIDVERR		NUMBER	9	0	Vision processing part rejections The number of parts rejected by vision processing errors. Not currently used.
DIDRSC		NUMBER	9	0	Rescans The number of times parts were not rejected and then rescanned. Not currently used.
DIDLIGHTING		VARCHAR2	40 25	Null	Specifies the part lighting class used by the group device management function. This is Null for parts not using the group device management function.
DIDSAFETYCNT		NUMBER	9	0	This is the set group device limit when using the group device management function. 0 to 99999
DIDTRAYPACKAGE		NUMBER	1	0	Specifies whether to use package management for tray parts. 0: Disable tray package management 1: Enable tray package management
DIDMEM		VARCHAR2	255	Null	Remarks for this part.
DIDNote1		VARCHAR2	64	Null	Shows information entered into a spare field by the user.
DIDNote2		VARCHAR2	64	Null	Shows information entered into a spare field by the user.
DIDNote3		VARCHAR2	64	Null	Shows information entered into a spare field by the user.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
DIDNote4		VARCHAR2	64	Null	Shows information entered into a spare field by the user.
DIDPTYP		NUMBER	4	4	Indicates the feeder type. Refer to "feeder type" C:\Working\Translating\1225_2012096_12-25_Nexim DB doc\V6.31.0_Nexim-0136_JPN_Oracle- V.docx - フィーダの種類
DIDSPCHK		NUMBER	4	0	When performing double checks of splicing, the administrator determines whether or not splicing is required. Setting list / range 0: Normal permission splicing Status Or, splicing not performed 1: Waiting for administrator check
DIDPARTSCHG		NUMBER	4	0	Not currently used
DIDSHAPE		VARCHAR2	64	NULL	Not currently used
DIDPACKAGE		VARCHAR2	64	NULL	Not currently used
DIDCONNECT		NUMBER	1	0	Not currently used.
DIDTARGETMC		NUMBER	4	NULL	Not currently used.
DIDCAVITYF		NUMBER	9	-1	Quantity of empty cavities during splicing (for tape being spliced to)
DIDCAVITYR		NUMBER	9	-1	Quantity of empty cavities during splicing
DIDMODULE		NUMBER	4	0	Registers the module scheduled to use the DID.
DIDHSTBAR		VARCHAR2	64	NULL	Part barcode name to be reported to upper host
DIDLCRMESUREMODE		NUMBER	4	0	Measuring mode 0. Not measured 1. L (H: Henry) 2. C (F: Farad) 3. R (Ω : Ohm)
DIDLCREXPECTEDVALUE		NUMBER	32,16	0.0	Expected value
DIDLCRMESUREDVALUE		NUMBER	32,16	0.0	Measured value
DIDAREA		NUMBER	4	0	Description The area information one belongs to is given. The area is registered to LineNames. Setting list Applicable area Line ID Added field position Added last
DIDSETLOC		VARCHAR2	32	NULL	The location one belongs to is given. Because the system can be switched,

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					"NULL" is also possible.
DIDSETMID		NUMBER	4	0	Register machine information for parts set on machines.
DIDALLOCQTY		NUMBER	9	0	Allocated quantity Quantity of all added values for ALLOCQTY in the T_ALLOCATION table. This is updated when the allocation information is updated.
DIDDEPOSITCODE		VARCHAR2	64	NULL	Deposit code
DIDALLOCATIONBLOCK		NUMBER	4	0	Flag for whether allocating the corresponding part is permitted. 0: Allocation is permitted. 1: Allocation is not permitted.

T_HEAD

V

The data for all heads managed in the factory is saved in the T_HEAD table.
This includes data such as placement count and position information.

Row Name	PK	Data Type	Max. Length	Default	Explanation
HEADID	O	VARCHAR2	15	None	Unique character string that is used to identify the head. Serial number of head
HEADNAME		VARCHAR2	32	NULL	Specifies the head name.
HEADSTT		NUMBER	9	0	Specifies the head status The conditions that trigger a maintenance status are indicated below. 0(All bits OFF): No maintenance status (Normal). 1(BIT0 ON): Maintenance status is triggered by error count. 2(BIT1 ON): Maintenance status is triggered by error rate. 4(BIT2 ON): Maintenance status is triggered by placement count. 8(BIT3 ON): Maintenance status is triggered by maintenance count. 16(BIT4 ON): Maintenance status is triggered by the number of days elapsed since the previous maintenance. 2048(BIT11 ON): When "AND" is specified for maintenance conditions. 32768(BIT15 ON): When "OR" is specified for maintenance conditions.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
HEADTOTALCNT		NUMBER	14	0	The total number of pickups performed by the head since the time of registration.
HEADRJP		NUMBER	10	0	Quantity of rejected parts due to machine error. Quantity of parts rejected for the machine by this head.
HEADNPC		NUMBER	10	0	Quantity of non-consumed parts. Quantity of parts not consumed that could not be picked by this head.
HEADPER		NUMBER	10	0	Quantity of parts not picked. Quantity of parts consumed that could not be picked by this head.
HEADERR		NUMBER	10	0	Quantity of vision processing error parts. Quantity for parts rejected to due vision processing errors at this head.
HEADRSC		NUMBER	10	0	Quantity of rescans. Quantity of inspections performed again for parts not reject on this head.
HEADCNT		NUMBER	10	0	The number of pickups performed by the head since the previous maintenance.
HEADBRJP		NUMBER	10	0	Quantity of rejected parts due to machine error since last maintenance.
HEADBNPC		NUMBER	10	0	Quantity of unconsumed part picks since last maintenance.
HEADBPER		NUMBER	10	0	Quantity of parts not picked up since last maintenance.
HEADBERR		NUMBER	10	0	Quantity of rejected parts due to vision processing errors since last maintenance.
HEADBRSC		NUMBER	10	0	Quantity of rescans since last maintenance.
HEADBDTE		DATE		NULL	Date maintenance was last performed.
HEADUSR		VARCHAR2	20	NULL	Name of the operator who performed the previous maintenance.
HEADMDATE		DATE		NULL	Maintenance performed date.
HEADMDAYS		NUMBER	9	0	The number of days from the time of previous maintenance until the time the next maintenance is required.
HEADMCNT		NUMBER	9	0	The number of times that maintenance has been performed previously.
HEADLOC		VARCHAR2	32	NULL	Location administration number for this head.
HEADFUSR		VARCHAR2	20	NULL	The name of the operator who first created the head data.
HEADUSR		VARCHAR2	20	NULL	Name of the operator who last updated the head data.
HEADFMDF		DATE		NULL	Date and time the head data was first created.
HEADMDF		DATE		NULL	Date on which the head data was last updated.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
HEADMID		NUMBER	4	0	Machine ID on which the head is mounted.
HEADMODULENO		NUMBER	4	0	Module number (1 to 32) on which the head is mounted.
HEADNO		NUMBER	4	0	Head number (1 or 2) on which the head is mounted.
HEADMEM		VARCHAR2	255	NULL	Remarks for this head.
HEADNOTE1		VARCHAR2	64	NULL	A spare field in which additional information can be input by the user.
HEADNOTE2		VARCHAR2	64	NULL	A spare field in which additional information can be input by the user.
HEADNOTE3		VARCHAR2	64	NULL	A spare field in which additional information can be input by the user.
HEADNOTE4		VARCHAR2	64	NULL	A spare field in which additional information can be input by the user.
HEADMTIME		DATE		NULL	Date maintenance status occurred. Initialized when maintenance is performed.
HEADTOTALRTIME		NUMBER	12	0	Total operating time of heads since the time of registration [sec].
HEADRTIME		NUMBER	12	0	Total operating time of heads since the previous maintenance [sec].
HEADMSTT		NUMBER	9	0	Specifies the head status
HEADCHKSTT		NUMBER	9	0	Inspection status 0 (all BIT OFF): Inspection result OK (normal) 1 (BIT0 ON): Pressure inspection result NG (not good) 2 (BIT1 ON): Movement time inspection result NG (not good) 4 (BIT2 ON): Holder flow measurement result (1) NG (not good) 8 (BIT3 ON): Holder flow measurement result (2) NG (not good) 16 (BIT4 ON): Holder flow measurement result (3) NG (not good) 32 (BIT5 ON): Holder flow measurement result (4) NG (not good) 65 (BIT6 ON): Holder flow measurement result (5) NG (not good) 128 (BIT7 ON): Holder flow measurement result (6) NG (not good) 256 (BIT8 ON): Holder flow measurement result (7) NG (not good) 512 (BIT9 ON): Holder flow measurement result (8) NG (not good) 1024 (BIT10 ON): Holder flow measurement result (9) NG (not good) 2048 (BIT11 ON): Holder flow measurement result (10) NG (not good)

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					<p>4096 (BIT12 ON): Holder flow measurement result (11) NG (not good)</p> <p>8192 (BIT13 ON): Holder flow measurement result (12) NG (not good)</p> <p>16384 (BIT14 ON): Holder flow measurement result (13) NG (not good)</p> <p>32768 (BIT15 ON): Holder flow measurement result (14) NG (not good)</p> <p>65536 (BIT16 ON): Holder flow measurement result (15) NG (not good)</p> <p>131072 (BIT17 ON): Holder flow measurement result (16) NG (not good)</p> <p>262144 (BIT18 ON): Holder flow measurement result (17) NG (not good)</p> <p>524288 (BIT19 ON): Holder flow measurement result (18) NG (not good)</p> <p>1048576 (BIT20 ON): Holder flow measurement result (19) NG (not good)</p> <p>2097152 (BIT21 ON): Holder flow measurement result (20) NG (not good)</p> <p>4194304 (BIT22 ON): Holder flow measurement result (21) NG (not good)</p> <p>8388608 (BIT23 ON): Holder flow measurement result (22) NG (not good)</p> <p>16777216 (BIT9 ON): Holder flow measurement result (23) NG (not good)</p> <p>33554432 (BIT25 ON): Holder flow measurement result (24) NG (not good)</p>
HEADCHKSTTC H		VARCHAR2	1000	NULL	<p>Explanation</p> <p>Inspection status</p> <p>This is a character string of hexadecimal data.</p> <p>It is "0" when the result is okay and "1" when the result is fail.</p> <p>Digits 1 to 6</p> <p>Vacuum break inspection results, Z axis, holders A to T, 4 bits are reserved</p> <p>Digits 7 to 12</p> <p>Pickup inspection results, Z axis, holders A to T, 4 bits are reserved</p> <p>Digits 13 to 18</p> <p>Cleaning results, Z axis, holders A to T, 4 bits are reserved</p>

Index 1 - HEADMID, HEADMODULENO, HEADNO

T_NZL

V

The data for all nozzles managed in the factory is saved in the T_NZL table.

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This includes data such as pickup count and position information.

Row Name	PK	Data Type	Max. Length	Default	Explanation
NZLID	O	VARCHAR2	15	None	Unique character string that is used to identify the nozzle. Serial number of nozzle
NZLNAME		VARCHAR2	32	NULL	Specifies the nozzle name (nickname).
NZLSTT		NUMBER	9	0	Specifies the nozzle status. The conditions that trigger a maintenance status are indicated below. 0(All bits OFF): No maintenance status (Normal). 1(BIT0 ON): Maintenance status is triggered by error count. 2(BIT1 ON): Maintenance status is triggered by error rate. 4(BIT2 ON): Maintenance status is triggered by placement count. 8(BIT3 ON): Maintenance status is triggered by maintenance count. 16(BIT4 ON): Maintenance status is triggered by the number of days elapsed since the previous maintenance. 2048(BIT11 ON): When "AND" is specified for maintenance conditions. 32768(BIT15 ON): When "OR" is specified for maintenance conditions.
NZLTOTALCNT		NUMBER	9	0	The total number of pickups performed by the nozzle since the time of registration.
NZLRJP		NUMBER	9	0	Quantity of rejected parts due to machine error. Quantity of parts rejected for the machine by this nozzle.
NZLNPC		NUMBER	9	0	Quantity of non-consumed parts. Quantity of parts not consumed that could not be picked by this nozzle.
NZLPER		NUMBER	9	0	Quantity of parts not picked. Quantity of parts consumed that could not be picked by this nozzle.
NZLERR		NUMBER	9	0	Quantity of vision processing error parts. Quantity for parts rejected due to vision processing errors for this nozzle.
NZLRSC		NUMBER	9	0	Quantity of rescans. Quantity of inspections performed again for parts not rejected for this nozzle.
NZLCNT		NUMBER	9	0	The number of pickups performed by the nozzle since the previous maintenance.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
NZLBRJP		NUMBER	9	0	Quantity of rejected parts due to machine error since last maintenance.
NZLBNPC		NUMBER	9	0	Quantity of unconsumed part picks since last maintenance.
NZLBPER		NUMBER	9	0	Quantity of parts not picked up since last maintenance.
NZLBERR		NUMBER	9	0	Quantity of rejected parts due to vision processing errors since last maintenance.
NZLBRSC		NUMBER	9	0	Quantity of rescans since last maintenance.
NZLBDTE		DATE		NULL	Date maintenance was last performed.
NZLBUSR		VARCHAR2	20	NULL	Name of the operator who performed the previous maintenance.
NZLMDATE		DATE		NULL	Maintenance performed date.
NZLMDAYS		NUMBER	9	0	The number of days from the time of previous maintenance until the time the next maintenance is required.
NZLMCNT		NUMBER	9	0	The number of times that maintenance has been performed previously.
NZLLOC		VARCHAR2	32	NULL	Location administration number for this nozzle.
NZLFUSR		VARCHAR2	20	NULL	The name of the operator who first created the nozzle data.
NZLUSR		VARCHAR2	20	NULL	Name of the operator who last updated the nozzle data.
NZLFMDF		DATE		NULL	Date and time the nozzle data was first created.
NZLMDF		DATE		NULL	Date on which the nozzle data was last updated.
NZLMID		NUMBER	4	0	Machine ID on which the nozzle is mounted.
NZLMODULENO		NUMBER	4	0	Module number (1 to 32) on which the nozzle is mounted.
NZLSTNAME		VARCHAR2	32	NULL	Station name on which the nozzle is mounted.
NZLSTID		VARCHAR2	15	NULL	Station ID on which the nozzle is mounted.
NZLSTNO		NUMBER	4	0	Station number (1 or 2) on which the nozzle is mounted.
NZLPITNO		NUMBER	4	0	Station pit number (1 to 32) in which the nozzle is mounted.
NZLMEM		VARCHAR2	255	NULL	Remarks for this nozzle.
NZLNOTE1		VARCHAR2	64	NULL	A spare field in which additional information can be input by the user.
NZLNOTE2		VARCHAR2	64	NULL	A spare field in which additional information can be input by the user.
NZLNOTE3		VARCHAR2	64	NULL	A spare field in which additional information can be input by the user.
NZLNOTE4		VARCHAR2	64	NULL	A spare field in which additional information can be input by the user.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
NZLMTIME		DATE		NULL	Date maintenance status occurred. Initialized when maintenance is performed.
NZLTOTALRTIME		NUMBER	12	0	Total operating time of nozzles since the time of registration [sec].
NZLRTIME		NUMBER	12	0	Total operating time of nozzles since the previous maintenance [sec].
NZLMSTT		NUMBER	9	0	Specifies the nozzle status
NZLCHKSTT		NUMBER	9	0	Inspection status 0 (all BIT OFF): Inspection result OK (normal) 1 (BIT0 ON): 2D code reading result NG (not good) 2 (BIT1 ON): Air flow judgment result NG (not good) 4 (BIT2 ON): Tip condition judgment result NG (not good) 8 (BIT3 ON): Stuck result NG (not good)
NZLLID		NUMBER	4	0	Line ID on which the nozzle is mounted.
NZLOOLID		NUMBER	4	0	Line ID on which the nozzle was last mounted.
NZLOMID		NUMBER	4	0	Machine ID on which the nozzle was last mounted.
NZLOMODULENO		NUMBER	4	0	Module number (1 to 32) on which the nozzle was last mounted.
NZLOSTNAME		VARCHAR2	32	NULL	Station name on which the nozzle was last mounted.
NZLOSTID		VARCHAR2	15	NULL	Station ID on which the nozzle was last mounted.
NZLOSTNO		NUMBER	4	0	Station number (1 to 2) on which the nozzle was last mounted.
NZLOPITNO		NUMBER	4	0	Station pit number (1 to 32) in which the nozzle was last mounted.
NZLMHOURS		NUMBER	9	0	The amount of time from the time of the previous maintenance until the time for the next maintenance is required.
DeleteFLG		NUMBER	4	0	Flag for whether in the recycle bin. 0: Not in the recycle bin, 1: In the recycle bin
NZLAREA		NUMBER	4	0	Measured value Explanation The area information one belongs to is given. The area is registered to LineNames. Setting list Applicable area Line ID Added field position Added last
NZLSETLOC		VARCHAR2	32	NULL	The location one belongs to is given. Because the system can be switched, "NULL" is also possible.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
MCMDF		DATE		NULL	Explanation Date when the nozzle was set on the machine
NZLBADSTT		NUMBER	9	0	Explanation Inspection status 0 (all bits off): Inspection result: Passed (normal) 1 (Bit 0 on): 2D code reading result: Failed 2 (Bit 1 on): Air flow decided result: Failed 4 (Bit 2 on): Tip condition decided result: Failed 8 (Bit 3 on): Stuck result: Failed 16 (Bit 4 on): File result: Failed
NZLMDATEHOUR		DATE		NULL	The time from the time of the previous maintenance until the time for the next maintenance is required.

Index 1 - NZLMID, NZLMODULENO, NZLSTNO

Index 2 - NZLSTID

T_NZL_PICTURE

V

Saves the image information related to the nozzle information.

Row name	PK	Data type	Max length	Default	Explanation
NZLID	Yes	VARCHAR2	15	NULL	Explanation The nozzle ID
NZLPICID	Yes	NUMBER	4	0	Image number for each nozzle ID
FILENAME		VARCHAR2	64	NULL	Image file name when imported
PICDATA		BLOB			Image actual data

T_CHECKOUTLIST

V

Check out operation information is stored in the T_CHECKOUTLIST table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
LineID	O	NUMBER	4	0	Line ID of checked out DID
MCID	O	NUMBER	4	0	Machine ID of checked out DID
StageNo	O	NUMBER	4	0	Stage number of checked out DID Treated the same as "LOCSTG" from T_LOC
GroupKey	O	NUMBER	4	0	Group number of checked out DID
SlotNo	O	NUMBER	4	0	Slot number of checked out DID Treated the same as "LOCSLT" from T_LOC
SubSlotNo	O	NUMBER	4	0	Subslot number of checked out DID
CheckoutDID		VARCHAR2	31	Null	Character string (DID) to identify parts. (Check out)
PartBar		VARCHAR2	64	Null	Part barcode from job
AVL		VARCHAR2	64	Null	AVL name from job
CheckOutCond		NUMBER	4	1	Indicates the checked out status for the slot. 1: Checked out 2: Received

T_MSK

V

The T_MSK table saves mask information.

Row Name	PK	Data Type	Max. Length	Default	Explanation
MSKID	O	VARCHAR2	128		Mask ID
MSKNAM		VARCHAR2	64	NULL	Mask name
MSKVND		VARCHAR2	64	NULL	Mask vendor
MSKMDL		VARCHAR2	64	NULL	Mask model
MSKLDT		VARCHAR2	64	NULL	Mask lot number
MSKDTE		VARCHAR2	64	NULL	Mask date code
MSKSTT		NUMBER	9	NULL	Mask status
MSKCNT		NUMBER	9	NULL	The total number of uses of the mask since the time of registration.
MSKCNTLMT		NUMBER	9	NULL	The maximum limit for the number of times the mask can be used.
MSKMDATE		DATE	-		Maintenance performed date.
MSKMUSR		VARCHAR2	32	NULL	Name of person who performed maintenance.
MSKBCNT		NUMBER	9	NULL	Quantity of uses since last maintenance.
MSKBDATE		DATE	-		Date maintenance was last performed.
MSKBUSR		VARCHAR2	32	NULL	Name of person who previously performed maintenance.
MSKMID		NUMBER	4	NULL	Mask storage shelf name ID.
MSKLOC		VARCHAR2	32	NULL	Mask storage shelf number.
MSKFUSR		VARCHAR2	32	NULL	Name of the operator who first created the information.
MSKFMDF		DATE	-		Date and time the information was first created.
MSKUSR		VARCHAR2	32	NULL	Name of the operator who last updated the information.
MSKMDF		DATE	-		Date and time the information was last updated.
MSKMCID		NUMBER	4	NULL	Machine ID from which the information was last updated.
MSKCMDF		DATE	-		Date and time the information was last updated by a machine.
MSKMCNT		NUMBER	9	NULL	The number of times that maintenance has been performed previously.
MSKRCNT		NUMBER	9	0	Operation count (Reset possible)
MSKCNTU		NUMBER	9	0	Total operation count (Upper value)
MSKCNTR		NUMBER	9	0	Total operation count (Warning value)
MSKRCNTU		NUMBER	9	0	Operation count (Upper value)
MSKRCNTR		NUMBER	9	0	Operation count (Warning value)

T_SQE

V

The T_SQE table saves squeegee information.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
SQEID	O	VARCHAR2	128		Squeegee ID
SQENAM		VARCHAR2	64	NULL	Squeegee name
SQEVDN		VARCHAR2	64	NULL	Squeegee vendor
SQEMDL		VARCHAR2	64	NULL	Squeegee model
SQETYP		NUMBER	4	NULL	Squeegee type 1: Metal 2: Urethane
SQELOT		VARCHAR2	64	NULL	Squeegee lot number
SQEDTE		VARCHAR2	64	NULL	Squeegee date code
SQESTT		NUMBER	9	NULL	Squeegee status
SQECNT		NUMBER	9	NULL	The total number of uses of the squeegee since the time of registration.
SQECNTLMT		NUMBER	9	NULL	The maximum limit for the number of times the squeegee can be used.
SQEMDATE		DATE	-		Maintenance performed date.
SQEMUSR		VARCHAR2	32	NULL	Name of person who performed maintenance.
SQEBCNT		NUMBER	9	NULL	Quantity of uses since last maintenance.
SQEBDATE		DATE	-		Date maintenance was last performed.
SQEUSR		VARCHAR2	32	NULL	Name of person who previously performed maintenance.
SQEMID		NUMBER	4	NULL	Squeegee storage shelf name ID.
SQELOC		VARCHAR2	32	NULL	Squeegee storage shelf number.
SQEFUSR		VARCHAR2	32	NULL	Name of the operator who first created the information.
SQEFMDF		DATE	-		Date and time the information was first created.
SQEUSR		VARCHAR2	32	NULL	Name of the operator who last updated the information.
SQEMDF		DATE	-		Date and time the information was last updated.
SQEMCID		NUMBER	4	NULL	Machine ID from which the information was last updated.
SQEMCMDF		DATE	-		Date and time the information was last updated by a machine.
SQEMCNT		NUMBER	9	NULL	The number of times that maintenance has been performed previously.
SQERCNT		NUMBER	9	0	Operation count (Reset possible)
SQECNTU		NUMBER	9	0	Total operation count (Upper value)
SQECNTL		NUMBER	9	0	Total operation count (Warning value)
SQERCNTU		NUMBER	9	0	Operation count (Upper value)
SQERCNTL		NUMBER	9	0	Operation count (Warning value)

T_SQEHL

V

The T_SQEHL table saves squeegee holder information.

Row Name	PK	Data Type	Max. Length	Default	Explanation
SQEHLID	O	VARCHAR2	128		Squeegee holder ID

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Row Name	PK	Data Type	Max. Length	Default	Explanation
SQEHLDNAM		VARCHAR2	64	NULL	Squeegee holder name
SQEHLDVND		VARCHAR2	64	NULL	Squeegee holder vendor
SQEHLDMDL		VARCHAR2	64	NULL	Squeegee holder model
SQEHLDDLOT		VARCHAR2	64	NULL	Squeegee holder lot number
SQEHLDDE		VARCHAR2	64	NULL	Squeegee holder date code
SQEHLDSST		NUMBER	9	NULL	Squeegee holder status
SQEHLDCNT		NUMBER	9	NULL	The total number of uses of the squeegee holder since the time of registration.
SQEHLDCNTLMT		NUMBER	9	NULL	The maximum limit for the number of times the squeegee holder can be used.
SQEHLDMDATE		DATE	-		Maintenance performed date.
SQEHLDUSR		VARCHAR2	32	NULL	Name of person who performed maintenance.
SQEHLDBCNT		NUMBER	9	NULL	Quantity of uses since last maintenance.
SQEHLDBDATE		DATE	-		Date maintenance was last performed.
SQEHLDBUSR		VARCHAR2	32	NULL	Name of person who previously performed maintenance.
SQEHLDMDID		NUMBER	4	NULL	Squeegee holder storage shelf name ID.
SQEHLDDLOC		VARCHAR2	32	NULL	Squeegee holder storage shelf number.
SQEHLDFUSR		VARCHAR2	32	NULL	Name of the operator who first created the information.
SQEHLDFMDF		DATE	-		Date and time the information was first created.
SQEHLDDUSR		VARCHAR2	32	NULL	Name of the operator who last updated the information.
SQEHLDMDF		DATE	-		Date and time the information was last updated.
SQEHLDMCID		NUMBER	4	NULL	Machine ID from which the information was last updated.
SQEHLDMCMDF		DATE	-		Date and time the information was last updated by a machine.
SQEHLDMCNT		NUMBER	9	NULL	The number of times that maintenance has been performed previously.

T_SLD

V

The T_SLD table saves solder information.

Row Name	PK	Data Type	Max. Length	Default	Explanation
SLDID	O	VARCHAR2	128		Solder ID

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Row Name	PK	Data Type	Max. Length	Default	Explanation
SLDNAM		VARCHAR2	64	NULL	Solder name
SLDVND		VARCHAR2	64	NULL	Solder vendor
SLDMDL		VARCHAR2	64	NULL	Solder model
SLDTYP		NUMBER	4	NULL	Solder shape 1: Pod 2: Syringe
SLDLOT		VARCHAR2	64	NULL	Solder lot number
SLDDTE		VARCHAR2	64	NULL	Solder date code
SLDSTT		NUMBER	9	NULL	Solder status
SLDCNT		NUMBER	9	NULL	The total number of uses of the solder since the time of registration.
SLDCNLTMT		DATE	-		Solder usage limit
SLDMDATE		DATE	-		Maintenance performed date.
SLDMUSR		VARCHAR2	32	NULL	Name of person who performed maintenance.
SLDBCNT		NUMBER	9	NULL	Quantity of uses since last maintenance.
SLDBDATE		DATE	-		Date maintenance was last performed.
SLDBUSR		VARCHAR2	32	NULL	Name of person who previously performed maintenance.
SLDMID		NUMBER	4	NULL	Solder storage shelf name ID.
SLDLOC		VARCHAR2	32	NULL	Solder storage shelf number.
SLDFUSR		VARCHAR2	32	NULL	Name of the operator who first created the information.
SLDFMDF		DATE	-		Date and time the information was first created.
SLDUSR		VARCHAR2	32	NULL	Name of the operator who last updated the information.
SLDMDF		DATE	-		Date and time the information was last updated.
SLDMCID		NUMBER	4	NULL	Machine ID from which the information was last updated.
SLDMCMDF		DATE	-		Date and time the information was last updated by a machine.
SLDMCNT		NUMBER	9	NULL	The number of times that maintenance has been performed previously.
SLDOUTDTE		DATE	-	NULL	Check out time
SLDMKETIM		NUMBER	9	0	Kneading time
SLDOPNDTE		DATE	-	NULL	Date and time opened
SLDLMTDTEU		DATE	-	NULL	Use by date (Upper value)
SLDLMTDTEL		DATE	-	NULL	Use by date (Warning value)
SLDUSETIMU		NUMBER	9	0	Usage limit time after opening (Upper value)
SLDUSETML		NUMBER	9	0	Usage limit time after opening (Warning value)
SLDOUTTIMU		NUMBER	9	0	Time for returning to room temperature (Upper value)
SLDOUTTIML		NUMBER	9	0	Time for returning to room temperature (Warning value)
SLDOUTTMOU		NUMBER	9	0	Limit time for returning to room temperature (Upper value)
SLDOUTTMOL		NUMBER	9	0	Limit time for returning to room temperature (Warning value)

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Row Name	PK	Data Type	Max. Length	Default	Explanation
SLDMKETIMU		NUMBER	9	0	Kneading time (Upper value)
SLDMKETIML		NUMBER	9	0	Kneading time (Warning value)
SLDUSECNTU		NUMBER	9	0	Usable count (Upper value)
SLDUSECNTL		NUMBER	9	0	Usable count (Warning value)

T_BLP

V

The T_BLP table saves backup plate information.

Row Name	PK	Data Type	Max. Length	Default	Explanation
BLPID	O	VARCHAR2	128		Backup plate ID
BLPNAM		VARCHAR2	64	NULL	Backup plate name
BLPVND		VARCHAR2	64	NULL	Backup plate vendor
BLPMDL		VARCHAR2	64	NULL	Backup plate model
BLPLOT		VARCHAR2	64	NULL	Backup plate lot number
BLPDTE		VARCHAR2	64	NULL	Backup plate date code
BLPSTT		NUMBER	9	NULL	Backup plate status
BLPCNT		NUMBER	9	NULL	The total number of uses of the backup plate since the time of registration.
BLPCNTLMT		NUMBER	9	NULL	The maximum limit for the number of times the backup plate can be used.
BLPMDATE		DATE	-		Maintenance performed date.
BLPMUSR		VARCHAR2	32	NULL	Name of person who performed maintenance.
BLPBCNT		NUMBER	9	NULL	Quantity of uses since last maintenance.
BLPBDATE		DATE	-		Date maintenance was last performed.
BLPBUSR		VARCHAR2	32	NULL	Name of person who previously performed maintenance.
BLPMID		NUMBER	4	NULL	Backup plate storage shelf name ID.
BLPLOC		VARCHAR2	32	NULL	The lane number for the machine that is using backup plates.
BLPFUSR		VARCHAR2	32	NULL	Name of the operator who first created the information.
BLPFMDF		DATE	-		Date and time the information was first created.
BLPUSR		VARCHAR2	32	NULL	Name of the operator who last updated the information.
BLPMDF		DATE	-		Date and time the information was last updated.
BLPMCID		NUMBER	4	NULL	Machine ID from which the information was last updated.
BLPMCMDF		DATE	-		Date and time the information was last updated by a machine.

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Row Name	PK	Data Type	Max. Length	Default	Explanation
BLPMCNT		NUMBER	9	NULL	The number of times that maintenance has been performed previously.
BLPRCNT		NUMBER	9	0	Operation count (Reset possible)
BLPCNTU		NUMBER	9	0	Total operation count (Upper value)
BLPCNTL		NUMBER	9	0	Total operation count (Warning value)
BLPRCNTU		NUMBER	9	0	Operation count (Upper value)
BLPRCNTL		NUMBER	9	0	Operation count (Warning value)

T_LOCP

V

The T_LOCP table saves material set information for printers.

Row Name	PK	Data Type	Max. Length	Default	Explanation
LOCPMID	O	NUMBER	4		Integer to uniquely identify a machine.
LOCPCLS	O	NUMBER	4		0: Solder (Solder paste) 1: CleaningPaper (Cleaning paper) 2: CleaningLiquid (Cleaning fluid)
LOCPMDF		DATE		NULL	Time at which the record was updated.
LOCPSTT		NUMBER	4	-1	Device status 1: Unset Device checks are not performed. 0: SetOK Device checks are okay. 1: Solder E Solder out warning 2: Paper E Cleaning paper out warning 3: Liquid E Cleaning solvent out warning
LOCPID		VARCHAR2	128	NULL	Character string to uniquely identify solder paste.

T_ALLOCATION

V

This stores allocation information for work orders (multiple work orders are permitted) for each DID.

Row name	PK	Data type	Max length	Default	Explanation
ALLOCDID	Yes	VARCHAR2	31		Character string to identify parts.
ALLOCWORKORDER	Yes	VARCHAR2	64		Order number (work order name)
ALLOCMODULENO	Yes	NUMBER	4	0	Module number

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Row name	PK	Data type	Max length	Default	Explanation
	s	R			
ALLOCSTAGE	Yes	NUMBER	4	0	Stage number
ALLOCGROUP	Yes	NUMBER	4	0	Group number
ALLOCSLOT	Yes	NUMBER	4	0	Slot number
ALLOCSUBSLOT	Yes	NUMBER	4	0	Subslot number
ALLOCMCID	Yes	NUMBER	4	0	An integer to uniquely identify an SMT machine. MACHINENAMES.MACHINEID
ALLOCLINEID	Yes	NUMBER	4	0	An integer to uniquely identify an SMT line. LINENAMES.LINEID
ALLOCQTY		NUMBER	9	0	Allocation quantity
ALLOCACTUALPRODUC TSTARTDATE		TIMESTAMP		Null	Time at which production actually started.
ALLOCSCHEDULEDSTA RTDATE		TIMESTAMP		Null	Actual planned start time (data and time) for the production task for the applicable work order
ALLOCDIDSEPARATEFL AG		NUMBER	4	0	Advance report flag for whether to divide parts (reel tape) 0: Do not divide 1: Issue an instruction to divide (cut tape) the allocated quantity based on the specified work orders.
ALLOCDIDALLOCFLAG		NUMBER	4	0	Status for this allocation 0: Not allocated 1: Already allocated, was allocated
ALLOCDIDPICKINGFLAG		NUMBER	4	0	Picking status for this allocation 0: Not picked 1: Already picked, was scanned for picking 2: Being picked 3: Postponed 4: Abandoned 5: Already picked (automatic picking)
ALLOCDIDEXTERNALVE RIFYFLAG		NUMBER	4	0	Offline changeover status for this allocation 0: Offline changeover has not been performed 1: Offline changeover has been performed, was verified offline 2: Offline changeover is being performed 3: Offline changeover is not necessary
ALLOCDIDPRODUCTION		NUMBER	4	0	The production usage status for this

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Row name	PK	Data type	Max length	Default	Explanation
FLAG		R			allocation 0: Not used in production 1: Started to be used in production, was set in equipment
ALLOCACTUALPRODUC TENDDATE		TIMEST AMP		NULL	Time when production actually ended.
USERNAME		VARCHA R2	64	NULL	User name
ALLOCDSTFLG		NUMBE R	4	0	Allocation destination flag 0: The part with this DID was not returned from the line side, perform the supply command for parts out warnings as usual. 1: The part with this DID was returned to the intermediate storage, part supply command is not performed by suppressing parts out warnings. When this is not applicable, the application behaves as if the value is "0".

Index - ALLOCID

Index - ALLOCWORKORDER

UnwantedLot

V/(P)

The registered UnwantedLot relationship is stored in the UnwantedLot table.

By making this setting, the determination method will differ depending on the SystemInfo.VerifyCheckMode. Furthermore, OR conditions apply when there are multiple records.

Row Name	PK	Data Type	Max. Length	Default	Explanation
UnwantedID	O	NUMBER	9		Unwanted lot key The system automatically makes this setting using an uniquely identifiable integer.
AvailableFlag		NUMBER	4	Null	Sets whether to enable or disable the Unwanted lot. 0: Disable 1: Enable
BarcData1		VARCHAR2	64	Null	UnwantedLot specification data Specifies the starting barcode when specifying a range. It is possible to use a wildcard when only one barcode is specified.
BarcData2		VARCHAR2	64	Null	UnwantedLot specification data Specifies the last barcode when specifying a range. This is set to null when only one barcode is

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					specified.
BarcData3		VARCHAR2	64	Null	<p>Stores the lane. This value only applies when job blocking has been registered. In all other cases, this value is set to "-1".</p> <p>0: Not specified 1: Lane 1 2: Lane 2 3: Lane 3</p>
BarcData4		VARCHAR2	64	Null	<p>When job blocking is used, this is the job name. When not using job blocking, this value is set to Null. (Current as at V3.20)</p> <p>Wildcards may be used for this value.</p>
BarcData5		VARCHAR2	64	Null	<p>When job blocking is used, this is the revision name. When not using job blocking, this value is set to Null. (Current as at V3.20)</p> <p>Wildcards may be used for this value.</p>
BarcData6		VARCHAR2	64	Null	<p>When job blocking is used, this is the side of the panel used for placement. When not using job blocking, this value is set to Null. (Current to V3.20)</p> <p>Null: Not specified _T: Top side _B: Bottom side</p>
Target		VARCHAR2	64	Null	<p>Specifies the MetaID. (See MetaID.)</p> <p>DID, PanelID, PartNumber etc.</p>
OperatorName		VARCHAR2	64	Null	Registered user
RegTime		Date		Null	Unwanted Lot registration date and time

UnwantedTrace

V/(P)

UnwantedLot history discovered in the line is stored in the UnwantedTrace table.

This value is recorded if a prohibited target is discovered when an Unwanted Lot search is performed by each application.

Row Name	PK	Data Type	Max. Length	Default	Explanation
RegTime	O	Date			Unwanted Lot discovery date and time
McID	O	NUMBER	4	0	Camera and machine ID found in Unwanted Lot
Lane	O	NUMBER	4	0	<p>Indicates the lane. A triple lane exists when using the NXT. PCC and VME machines have no lanes and therefore this is fixed at single lane. This is also set to single lane in the case of shuttle conveyors. (In cases when it is possible to determine</p>

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Row Name	PK	Data Type	Max. Length	Default	Explanation
					the lane at which conveyance is prohibited, this setting is used to record that lane.) 0: Single lane (Default) 1: Double lane Lane1 Triple lane Lane1 2: Double lane Lane2 Triple lane Lane2 3: Shuttle (Both lanes) 4: Triple lane Lane3 This is set to -1 for information unrelated to lanes.
BarcData		VARCHAR2	64		Data relevant to the UnwantedLot
BarcData2		VARCHAR2	64	Null	Data relevant to the UnwantedLot. This value is set to Null for data relevant for the panel. In the case of a job, this value is stored as Job Name + Placement Side + Revision.
BlockMode		NUMBER	4	Null	Records whether target was stopped when UnwantedLot is discovered during production. 1: Warning (Awaits RESET switch.) 2: Stop (Stops operation completely.)
Target		VARCHAR2	64	Null	Specifies the MetalID. (MetalID) DID, PanelID, PartNumber etc.
enableTime		Date		Null	Date and time Warning was cleared.
enableName		VARCHAR2	64	Null	User who cleared (enabled) Warning

VerifierConfig

V

Operation conditions setting data required for Verifier are saved at the VerifierConfig table.

Row Name	PK	Data Type	Max. Length	Default	Explanation
SettingName		VARCHAR2	64	Null	Registers the names of setting items related to Verifier.
SettingType		NUMBER	4	0	The setting item types are registered, and are referred to when displaying the application's setting screen. 0: Common items "1" to "each application, function-specific grouping"
SettingValue		VARCHAR2	255	Null	Registers the setting values for the setting items.

The SettingName and SettingType items in this table have been preset in the database. (See [VerifierConfig](#))

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The values for each setting item are registered in SettingValue.

Note)

Ensure "Match Case" is unchecked when performing a search for "SettingName" in the application.

Database Constant List

Below is a list of data that is preset in the database.

Please note that this data is subject to change without prior notice when upgrading the database or application version.

ApplicationMaster

Row	APPLICATIONID	APPLICATIONNAME
Constant	1	Kit Server
	2	Kit Manager
	3	External Changeover
	4	KIT Barcode Printer
	5	Kit Line Configuration
	6	Profiler Server
	7	Fujitrax WEB
	8	Kit Database Wizard
	10	Kit Handy
	12	Advanced Maintenance
	13	FLP
	14	FLP Setup Tool
	15	C/C Plug-in
	16	Panel Tracker
	17	Central Server
	18	Restriction Editor
	19	System Monitor
	21	Profiler Central Server
	22	FLP Profiler
	23	Profiler Backup Service
	24	Profiler Backup Setting
	25	Central Server Setting
	26	Panel Tracker Setting
	27	Machine Database Wizard
	30	FCS Information Provider
	33	Oracle9.2.0 Silent Installer
	36	Advanced Parts Management
	37	Kitting Stand
	39	Nexim Database Update Wizard
	40	Kitting Stand Settings
	41	Operator Trace Exporter
	43	Data Transaction Server
	44	Data Transaction Server Tool

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Row	APPLICATIONID	APPLICATIONNAME
	45	Oracle 10.2.0 Silent Installer
	48	Kit Handy for PC
	55	Verifier Client Service
	56	License Server
	57	License Client Service
	58	License Settings
	59	KIT Database Wizard for SQL Server
	60	Nexim Database Update Wizard for SQL Server
	61	Parts Navigation Service
	62	Parts Navigation Service Setting
	63	Parts Navigation
	64	Schedule Manager
	65	Schedule Editer
	66	Adviser Server
	67	Workflow Server
	68	Workflow Builder
	69	Workflow Communicator
	70	SPC Monitor
	71	Adviser Line Configuration
	72	Adviser Assist
	73	Adviser Database Wizard
	74	Central Server Lite
	75	Central Server Lite Settings
	76	KIT Line Configuration Lite
	77	Host Interface Setting Tool
	78	Adviser Setting Tool
	79	Verifier Client Service Tool
	80	Advanced Parts Management Settings
	81	Board ID Import Tool
	82	Traceability File Output Tool
	83	Oracle 11.2.0 Silent Installer
	84	Maintenance Center Server
	85	Data Transfer Tool
	86	Reserved
	87	Maintenance Center Server Settings
	88	Other Vender Interface

AdvancedMaintenanceConfig

Row name	Type ID	Unit type	Setting name	Setting value
Fixed value	2	NORMAL	BLOCKINGNOZZLE	0

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Row name	Type ID	Unit type	Setting name	Setting value
	2	NORMAL	BLOCKINGNOZZLEnot onMC	0

BarcodeFilter

Row	FilterID	AnalyzeNo	Format	MetaID	DelFlag
Constant	C-3 Type E	1	3N1<*>△*	PARTBARCODE	1
		2	3N1△<*>	Qty	0
		3	3N2△<*>△*	DID	1
		4	3N2△△<*>	VENDOR	0

△: Space character

BULKCASESPEC

Row name	FBTYPE	FBSTYPE	UNIT	TANKCAPACIT Y	CASECAPACIT Y	SUBTANKCAPACI TY
Fixed value	176	1	KTBA	800000	70000	0
	176	2	KTBB	400000	20000	0
	176	3	KTBC	100000	5000	0
	176	257	KTBA	800000	70000	0
	176	258	KTBB	400000	20000	0
	176	259	KTBC	100000	5000	0

ErrorCategory

Row	ERRORCODE	SUBERRORCODE	ERRORTYPE
Constant	1CA00001	Null	4
	12050502	Null	5
	12040104	Null	5
	1D??????	Null	5
	121??????	Null	5
	1C??????	Null	5
	1204040?	Null	5

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MachineSpec

Row	MACHINE TYPE	Maximum STAGE	Maximum SLOT	Maximum UNIT	GRMCUNI QUE	OLD MC	TABLE MODE	IOOFF	Maximum LANE	StageView Flag
Constant	CP732	2	30	1	1	0	0	0	1	1
	CP733	2	30	1	1	0	0	0	1	1
	CP742M	2	40	1	1	0	0	0	1	1
	CP743M	2	40	1	1	0	0	0	1	1
	CP742	2	.7	1	1	0	0	0	1	1
	CP743	2	.7	1	1	0	0	0	1	1
	CP743C	2	50	1	1	0	0	0	1	1
	CP842	2	.7	1	1	0	0	0	1	1
	CP842M	2	40	1	1	0	0	0	1	1
	NP134	2	40	1	0	0	0	0	1	1
	NP134M	2	24	1	0	0	0	0	1	1
	NP153	2	40	1	0	0	0	0	1	1
	NP251	2	40	1	0	0	0	0	1	1
	QP132	16	6	4	0	4	0	0	1	1
	QP341	2	50	1	0	0	0	0	1	1
	FCP4	2	.7	1	0	3	1	1	1	1
	FCP43	2	80	1	0	3	1	1	1	1
	FCP6	2	.7	1	0	3	1	1	1	1
	FCP6M	2	50	1	0	3	1	1	1	1
	CP642	2	.7	1	0	3	1	1	1	1
	CP642M	2	50	1	0	3	1	1	1	1
	CP643	2	.7	1	0	3	1	1	1	1
	CP643M	2	50	1	0	3	1	1	1	1
	QP242	6	200	1	0	3	0	0	1	1
	FIP2	1	3	1	0	3	0	0	1	0
	FIP3	1	3	1	0	3	0	0	1	0
	XP-141	2	50	1	0	4	1	0	1	1
	XP-241E	2	100	1	0	4	0	0	1	1
	XP341	2	40	1	0	4	0	0	1	1
	XP-142	2	50	1	0	5	1	0	1	1
	XP-242	2	100	1	0	5	0	0	1	1
	XP143	2	50	1	0	5	1	0	1	1
	XP-243	2	100	1	0	5	0	0	1	1
	NXT	32	45	1	0	2	0	0	3	0
	AIM	2	45	1	0	2	0	0	1	1
	XPF	4	100	1	0	6	0	0	1	1
	AIMEX	2	45	1	0	2	0	0	2	1
	sFAB	1	100	1	0	2	0	0	2	0

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	NXTP	0	0	0	0	10	0	0	1	0
	NXT-H	2	39	1	0	2	0	0	2	1
	GPX-C	0	0	0	0	10	0	0	1	0
	GPX-HD	0	0	0	0	10	0	0	1	0
	OTHER	0	0	0	0	99	0	0	1	0
	MOMENT	0	0	0	0	10	0	0	1	0
	FSS	3	65	2	0	12	2	0	2	0
	LOADER	0	4	1	0	12	0	0	1	0
	NXTR	2	65	1	0	11	0	0	2	0
	sFAB-A	1	100	1	0	2	0	0	2	0
	NXTRPM	0	0	0	0	10	0	0	2	0
	OTHERM	0	0	0	0	99	0	0	1	0
	AIMEXR	2	65	1	0	11	0	0	2	1

ModuleSpec

Row	MODULETYPE	MAXSLOT
Constant	1	20
	2	45
	3(M3 Conveyer)	0
	4(M6 Conveyer)	0
	5 (DoubleRobot)	45
	6 (SingleRobot)	45
	13 (DoubleRobotIS)	65
	14 (SingleRobotIS)	65
	15 (NXT-H)	39 (Stage1:39) Stage2:16)
	16 (For FeederStockStation)	65
	17 (For loader)	4
	18	65
	19	65

MatObjectMaster

Row	OBJECTID	OBJECTEQUIP
Constant	1	Feeder
	2	Nozzle

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MatAlarmMaster

Row	ALARMINID	ALARMTYPE
Constant	0	Nothing
	1	Nothing
	2	Num of Errors
	3	Num of Errors
	4	Rate of Errors
	5	Rate of Errors
	6	Num of Errors and Rate of Errors
	7	Num of Errors or Rate of Errors
	8	Num of Usage
	9	Num of Usage
	10	Num of Errors and Num of Usage
	11	Num of Errors or Num of Usage
	12	Rate of Errors and Num of Usage
	13	Rate of Errors or Num of Usage
	14	Num of Errors and Rate of Errors and Num of Usage
	15	Num of Errors or Rate of Errors or Num of Usage
	16	Out of Date
	17	Out of Date
	18	Num of Errors and Out of Date
	19	Num of Errors or Out of Date
	20	Rate of Errors and Out of Date
	21	Rate of Errors or Out of Date
	22	Num of Errors and Rate of Errors and Out of Date
	23	Num of Errors or Rate of Errors or Out of Date
	24	Num of Usage and Out of Date
	25	Num of Usage or Out of Date
	26	Num of Errors and Num of Usage and Out of Date
	27	Num of Errors or Num of Usage or Out of Date
	28	Rate of Errors and Num of Usage and Out of Date
	29	Rate of Errors or Num of Usage or Out of Date
	30	Num of Errors and Rate of Errors and Num of Usage and Out of Date
	31	Num of Errors or Rate of Errors or Num of Usage or Out of Date
	32	Num of Maintenances
	33	Num of Maintenances
	34	Num of Errors and Num of Maintenances
	35	Num of Errors or Num of Maintenances
	36	Rate of Errors and Num of Maintenances
	37	Rate of Errors or Num of Maintenances
	38	Num of Errors and Rate of Errors and Num of Maintenances
	39	Num of Errors or Rate of Errors or Num of Maintenances
	40	Num of Usage and Num of Maintenances

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Row	ALARMDID	ALARMTYPE
	41	Num of Usage or Num of Maintenances
	42	Num of Errors and Num of Usage and Num of Maintenances
	43	Num of Errors or Num of Usage or Num of Maintenances
	44	Rate of Errors and Num of Usage and Num of Maintenances
	45	Rate of Errors or Num of Usage or Num of Maintenances
	46	Num of Errors and Rate of Errors and Num of Usage and Num of Maintenances
	47	Num of Errors or Rate of Errors or Num of Usage or Num of Maintenances
	48	Out of Date and Num of Maintenances
	49	Out of Date or Num of Maintenances
	50	Num of Errors and Out of Date and Num of Maintenances
	51	Num of Errors or Out of Date or Num of Maintenances
	52	Rate of Errors and Out of Date and Num of Maintenances
	53	Rate of Errors or Out of Date or Num of Maintenances
	54	Num of Errors and Rate of Errors and Out of Date and Num of Maintenances
	55	Num of Errors or Rate of Errors or Out of Date or Num of Maintenances
	56	Num of Usage and Out of Date and Num of Maintenances
	57	Num of Usage or Out of Date or Num of Maintenances
	58	Num of Errors and Num of Usage and Out of Date and Num of Maintenances
	59	Num of Errors or Num of Usage or Out of Date or Num of Maintenances
	60	Rate of Errors and Num of Usage and Out of Date and Num of Maintenances
	61	Rate of Errors or Num of Usage or Out of Date or Num of Maintenances
	62	Num of Errors and Rate of Errors and Num of Usage and Out of Date and Num of Maintenances
	63	Num of Errors or Rate of Errors or Num of Usage or Out of Date or Num of Maintenances

MatCauseMaster

Row	CAUSEID	CAUSE	CAUSEDDEL
Constant	1	< unknown >	0

MatCauseMaster_Head

Row	CAUSEID	CAUSE	CAUSEDDEL
Constant	1	< unknown >	0

MatCauseMaster_Nzl

Row	CAUSEID	CAUSE	CAUSEDDEL
Constant	1	< unknown >	0

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MatCauseMasterRsv

Row name	CAUSEID	CAUSE	CAUSEDDEL
Fixed value	0	Prior maintenance	0
	-1	Error Count	0
	-2	Error Rate	0
	-3	Feed Count	0
	-4	Maintenance Count	0
	-5	Maintenance of Days	0

MatCauseMasterRsv_Head

Row name	CAUSEID	CAUSE	CAUSEDDEL
Fixed value	0	Prior maintenance	0
	-1	Error Count	0
	-2	Error Rate	0
	-3	Number of pickups	0
	-4	Maintenance Count	0
	-5	Maintenance of Days	0
	-6	Work of Days	0

MatCauseMasterRsv_Nzl

Row name	CAUSEID	CAUSE	CAUSEDDEL
Fixed value	0	Prior maintenance	0
	-1	Error Count	0
	-2	Error Rate	0
	-3	Number of pickups	0
	-4	Maintenance Count	0
	-5	Maintenance of Days	0

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MatMeasureMaster

Row	MEASUREID	MEASURE	MEASUREDEL
Constant	1	< unknown >	0

MatMeasureMaster_Head

Row	MEASUREID	MEASURE	MEASUREDEL
Constant	1	< unknown >	0

MatMeasureMaster_Nzl

Row	MEASUREID	MEASURE	MEASUREDEL
Constant	1	< unknown >	0

MatMeasureMasterRsv

Row name	MEASUREID	MEASURE	MEASUREDEL
Fixed value	-1	Maintenance using feeder maintenance station	0

MatMeasureMasterRsv_Head

Row name	MEASUREID	MEASURE	MEASUREDEL
Fixed value	-1	Maintenance using auto head cleaner Maintenance using Auto Head Cleaner	0
	-2	Inspection using auto head cleaner Inspection using Auto Head Cleaner	0

Row name	MEASUREID	MEASURE	MEASUREDEL
	-3	Maintenance using Auto Head Cleaner (oil)	0
	-4	Maintenance using Auto Head Cleaner (air)	0

MatMeasureMasterRsv_NzI

Row name	MEASUREID	MEASURE	MEASUREDEL
Fixed value	-1	Maintenance using smart nozzle clean	0

OperatorActions

ACTIONID	Operations field	Description	Applicable application	Machine	Remarks
1001	Verification on Kitting	Quick verification was performed.	KIT Manager, External Changeover, KIT Handy (VCS), Handy for PC (VCS), External Changeover (VCS)		
1002	New registration of part	Part data was newly registered.	Kit Manager		
1003	Editing of part	Part data was edited.	KIT Manager, KIT Handy (VCS), Handy for PC (VCS)		
1004	Deletion of part	Part data was deleted.	Kit Manager		
1005 (0402")	New registration of feeder / tray	Feeder / tray data was newly registered.	Kit Manager		
1006	Editing of feeder / tray	Feeder / tray data was edited.	Kit Manager		
1007	Deletion of feeder / tray	Feeder / tray data was deleted.	Kit Manager		
1008	Starting of KIT Server	KIT Server was started.	Kit Server		
1009	Stop of KIT Server	KIT Server was stopped.	Kit Server		
1.0 x 1.0	Feeder setup using Kitting	Feeder was set on the machine.	KIT Server, Central Server, KIT Handy (KIT Server), Handy for PC (KIT Server), External Changeover (VCS)	PCC, XP Type2(3), NXT, AIM, XPF	
1011	Feeder setup using HT	Device check was performed.	KIT Handy (KIT Server), Handy for PC (KIT Server)	PCC, XP Type2(3)	
1012	Splicing setup	Parts were spliced.	KIT Server, Central Server, KIT Handy (KIT Server), Handy for PC (KIT Server)	PCC, XP Type2(3), NXT, AIM, XPF	

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1013	Starting of KIT Handy Service	KIT Handy Service was started.			Not used.
1014	Stop of KIT Handy Service	KIT Handy Service was stopped.			Not used.
1015	New registration of ID	ID was newly registered.	KIT Manager, KIT Handy (VCS), Handy for PC (VCS)		
1016	Editing of ID	ID was edited.	KIT Manager, KIT Handy (KIT Server, VCS), Handy for PC (KIT Server, VCS)		
1017	Deletion of ID	ID was deleted.	Kit Manager		
1018	Remove of Feeder	Feeder was removed from machine.	Central Server		
1019	Dynamic Next Feeder Setup	Dynamic alternate feeder was allocated.	Central Server	NXT, AIM	
1020	Tray setup using Kitting	Tray parts were set on machine.	KIT Handy (KIT Server), Handy for PC (KIT Server), Central Server	PCC, XP Type2(3), NXT, AIM, XPF	
1021	Remove of Tray	Tray parts were removed from machine.	Central Server		
1022	Put parts on a shelf	Parts were put on a shelf.	Advanced Parts Management		
1023	Remove parts from a shelf	Parts were removed from a shelf.	Advanced Parts Management		
1024	Put parts in dry storage	Parts were put in dry storage.	Advanced Parts Management		
1025	Remove parts from dry storage	Parts were removed from dry storage.	Advanced Parts Management		
1026	Put parts in dry oven	Parts were put in dry oven.	Advanced Parts Management		
1027	Remove parts from dry oven	Parts were removed from dry oven.	Advanced Parts Management		
1028	Starting of Central Server	Central Server was started.	Central Server		
1029	Stop of Central Server	Central Server was stopped.	Central Server		
1030	Separate of Part	Parts were registered separately.			Not used.
1031	Update of Parts Count	The remaining tray parts count was updated.	Central Server		
1032	Add Parts of Tray	Tray parts were added to stack.			Not used.
1033	Import of Parts Restriction List	Parts restriction list was imported.	Kit Manager		
1034	Delete of Parts Restriction List	Parts restriction list was deleted.	Kit Manager		
1035	Import of Parts Block List	Parts block list was imported.	Kit Manager		
1036	Delete of Parts Block List	Parts block list was deleted.	Kit Manager		

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1037	Import of Parts Master	Parts master was imported.	Kit Manager		
1038	Export of Parts Master	Parts master was exported.	Kit Manager		
1039	Import of Parts	Part data was imported.	Kit Manager		
1040	Export of Parts	Part data was exported.	Kit Manager		
1041	Import of Feeders	Feeder data was imported.	Kit Manager		
1042	Export of Feeders	Feeder data was exported.	Kit Manager		
1043	Import of IDs	IDs were imported.	Kit Manager		
1044	Export of IDs	IDs were exported.	Kit Manager		
1045	Import of AVL List	AVL list was imported.	Kit Manager		
1046	Delete of AVL List	AVL list was deleted.	Kit Manager		
1047	Import of Baking Master	Baking master list was imported.	Kit Manager		
1048	Delete of Baking Master	Baking master list was deleted.	Kit Manager		
1049	Import of Floor Life Master	Floor life master list was imported.	Kit Manager		
1050	Delete of Floor Life Master	Floor life master list was deleted.	Kit Manager		
1051	Assign of schedule	Schedule was assigned.	Schedule Manager		
1052	Checkout navigation of schedule	Checkout navigation was performed for schedule.	Schedule Manager		
1053	Product complete of schedule	Production was completed for schedule.	Schedule Manager		
1054	Return navigation of schedule	Return navigation was performed for line.	Schedule Manager		
1055	Cancel of checkout navigation	Checkout navigation was cancelled for schedule.	Schedule Manager		
1056	Delete of schedule	Schedule was deleted.	Schedule Manager		
1059	Import of Box Life Master	Box life master list was imported	Kit Manager		
1060	Dry component opened	A dry component was opened.	KIT Server, Central Server, KIT Handy (KIT Server), Handy for PC (KIT Server), ExternalChangeover (VCS)	PCC, XP Type2(3), NXT, AIM, XPF	
1061	Import of LED use plan List	LED use plan list was imported.	Kit Manager		
1062	Delete of LED use plan List	LED use plan list was deleted.	Kit Manager		
1063	Splicing parts were switched	Splicing parts were switched.	Central Server	NXT, AIM, XPF	
1064	Check out confirmed	Part has been checked out.	Kit Manager		

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1065	Check in confirmed	Part has been checked in.	Kit Manager		
1066	Recovery confirmed	Part recovery has been performed.	Kit Manager		
1067	Shift Change Verify	Shift change verification was performed.	Verifier Client Service	PCC, XP Type2(3), NXT, AIM, AIMEX, XPF	
1068	Data Transfer	Supports the moving DID data between databases tool.	DtTransfer		
1069	Panel ID scanned again offline	Panel ID was scanned again offline.	Fujitrax Web	NXT, AIMEX	
1070	Job transmission	The job was sent.	Central Server	NXT, AIM, AIMEX, XPF	
1092	Plan Count Change	The quantity of panels to be produced was changed.	ProductPlanNumSettings	NXT, AIM, AIMEX	
1093	Automatic changeover	Automatic changeover event	Central Server Profiler Central Server	NXT, AIM, AIMEX	
1098	Part checkout requested	When a manual checkout request is given for Nexim Kitting Station, Nexim Kitting Station outputs the trace data.	Kit Manager Parts Request Service		
1099	Part checkout requested(Auto)	When a checkout command is given automatically because of a parts out warning, PartsRequestService outputs the trace data	Kit Manager Parts Request Service		
1100	Checked in a reel	When a reel is checked into the automatic part warehouse, PartsRequestService outputs the trace data.	Kit Manager Parts Request Service		
1101	Checked out a reel	When a reel is checked out of the automatic part warehouse, PartsRequestService outputs the trace data.	Kit Manager Parts Request Service		
1102	Feeder set in a different pos	If the reel is checked out of the automatic part warehouse is in an unexpected position, PartsRequestService outputs the trace data.	Kit Manager Parts Request Service		
1106	AutoChangeSlave LightingChange	The lighting class was changed when using AutoChangeSlave mode for group device.	Central Server Profiler Central Server	NXT	
1107	AutoChangeSlave ChangeError	Changing the lighting class failed when using AutoChangeSlave mode for group device.	Central Server	NXT	

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			Profiler Central Server		
1108	Shift Change Verify Start	Shift Change Verify was started.	KIT Handy(VCS)	NXT/AINEX	
1109	Shift Change Verify End	Shift Change Verify was completed.	KIT Handy(VCS)	NXT/AINEX	
1110	Push START with no job at module	START on the machine was pushed when no job was transmitted.	CentralServer	NXT/AINEX	
1111	Clean Trough	The trough was cleaned.	NKS		
1800	New register of solder	Solder was newly registered.	Central Server Printer		
1801	Editing of solder	Solder was changed.	Central Server Maintenance Center Server Printer		
1802	Deletion of solder	Solder was deleted.	Maintenance Center Server Printer		
1803	New register of solder MASTER	Solder master data was newly registered.	Printer		
1804	Editing of solder MASTER	Solder master data was changed.	Printer		
1805	Deletion of solder MASTER	Solder master data was deleted.	Printer		
1806	New register of mask	Mask was newly registered.	Central Server Printer		
1807	Editing of mask	Mask was changed.	Central Server Maintenance Center Server Printer		
1808	Deletion of mask	Mask was deleted.	Printer		
1809	New register of mask MASTER	Mask master data was newly registered.	Printer		
1810	Editing of mask MASTER	Mask master data was changed.	Printer		
1811	Deletion of mask MASTER	Mask master data was deleted.	Printer		
1812	New register of squeegee	Squeegee was newly registered.	Central Server Printer		
1813	Editing of squeegee	Squeegee was changed.	Central Server		

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			Maintenance Center Server Printer		
1814	Deletion of squeegee	Squeegee was deleted.	Printer		
1815	New register of squeegee MASTER	Squeegee master data was newly registered.	Printer		
1816	Editing of squeegee MASTER	Squeegee master data was changed.	Printer		
1817	Deletion of squeegee MASTER	Squeegee master data was deleted.	Printer		
1818	New register of BUplate	Backup plate was newly registered.	Central Server Printer		
1819	Editing of BUplate	Backup plate was changed.	Central Server Maintenance Center Server Printer		
1820	Deletion of BUplate	Backup plate was deleted.	Printer		
1821	New register of BUplate MASTER	Backup plate master data was newly registered.	Printer		
1822	Editing of BUplate MASTER	Backup plate master data was changed.	Printer		
1823	Deletion of BUplate MASTER	Backup plate master data was deleted.	Printer		
1824	Verification of solder	Solder was verified.	Central Server	NXTP, GPX-C	
1825	Verification of squeegee	Squeegees were verified.	Central Server	NXTP, GPX-C	
1826	Verification of mask	Mask was verified.	Central Server	NXTP, GPX-C	
1827	Verification of BUplate	Backup plate was verified.	Central Server	NXTP, GPX-C	

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StatusPriority

Row	STATUS	SUBSTATUS	STATUS TEXT	STATUS LEVEL	PRIORITY1	PRIORITY2
Constant	-2	-1	Checking	3	999	999
	-1	-1	Unset	0	999	999
	0	-1	Set OK	2	65	100
	1	-1	Tape E	1	999	999
	2	-1	Parts E	0	999	999
	3	-1	Next D	1	999	999
	4	-1	Vision	0	999	999
	5	-1	Pickup	0	999	999
	6	-1	No Feeder	0	999	999
	7	-1	Miss Feeder	0	999	999
	8	-1	No ID	0	33	29
	9	-1	Miss D	0	34	30
	10	-1	Pre-Set OK	2	999	999
	11	-1	Performed manually	2	999	999
	12	-1	Not Used	3	56	100
	13	-1	NG Feeder	0	999	999
	14	-1	Splicing Warning	1	999	999
	15	-1	Parts Out Warning	1	999	999
	16	-1	Splicing Unset	0	999	999
	17	-1	Remove Feeder	3	999	999
	18	-1	Maintenance Alarm	0	999	999
	19	-1	Incorrect tray	0	999	999
	20	-1	Parts Block	0	999	999
	21	-1	Lighting	0	999	999
	-2	0	Checking	3	57	100
	-1	0	Unset	0	8	8
	0	0	Set OK	2	68	100
	1	0	Tape E	1	14	100
	2	0	Parts E	0	11	11
	3	0	Next D	1	15	100
	4	0	Vision	0	9	9
	5	0	Pickup	0	10	10
	6	0	No Feeder	0	1	1
	7	0	Miss Feeder	0	2	2
	8	0	No ID	0	3	3
	9	0	Miss D	0	4	4
	10	0	Pre-Set OK	2	60	100
	11	0	Performed manually	2	66	100
	12	0	Not Used	3	53	100
	13	0	NG Feeder	0	12	12

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Row	Status	Substatus	Status Text	Status Level	Priority1	Priority2
	14	0	Splicing Warning	1	35	100
	15	0	Parts Out Warning	1	36	100
	16	0	Splicing Unset	0	5	5
	17	0	Remove Feeder	3	50	100
	18	0	Maintenance Alarm	0	7	7
	19	0	Incorrect tray	0	13	13
	20	0	Parts Block	0	6	6
	21	0	Lighting	0	7	7
	-2	1	*Checking	3	58	100
	-1	1	*Unset	0	23	21
	0	1	*Set OK	2	69	100
	1	1	*Tape E	1	29	100
	2	1	*Parts E	0	26	24
	3	1	*Next D	1	30	100
	4	1	*Vision	0	24	22
	5	1	*Pickup	0	25	23
	6	1	*No Feeder	0	16	14
	7	1	*Miss Feeder	0	17	15
	8	1	*No ID	0	18	16
	9	1	*Miss D	0	19	17
	10	1	*Pre-Set OK	2	61	100
	11	1	*Manual	2	67	100
	12	1	*Not Used	3	54	100
	13	1	*NG Feeder	0	27	25
	14	1	*Splicing Warning	1	37	100
	15	1	*Parts Out Warning	1	38	100
	16	1	*Splicing Unset	0	20	18
	17	1	*Remove Feeder	3	51	100
	18	1	*Maintenance Alarm	0	22	20
	19	1	*Incorrect tray	0	28	26
	20	1	*Parts Block	0	21	19
	21	1	*Lighting	0	23	21
	-2	2	(Checking)	3	59	100
	-1	2	(Unset)	0	42	100
	0	2	(Set OK)	2	64	100
	1	2	(Tape E)	1	46	100
	2	2	(Parts E)	0	45	100
	3	2	(Next D)	1	47	100
	4	2	(Vision)	0	43	100
	5	2	(Pickup)	0	44	100
	6	2	(No Feeder)	0	999	999
	7	2	(Miss Feeder)	0	31	27
	8	2	(No ID)	0	32	28

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Row	STATUS	SUBSTATUS	STATUS TEXT	STATUS LEVEL	PRIORITY1	PRIORITY2
	9	2	(Miss D)	0	999	999
	10	2	(Pre-Set OK)	2	62	100
	11	2	(Manual)	2	63	100
	12	2	(Not Used)	3	55	100
	13	2	(NG Feeder)	0	999	999
	14	2	(Splicing Warning)	1	48	100
	15	2	(Parts Out Warning)	1	49	100
	16	2	(Splicing Unset)	0	39	100
	17	2	(Remove Feeder)	3	52	100
	18	2	(Maintenance Alarm)	0	41	100
	19	2	(Incorrect tray)	0	999	999
	20	2	(Parts Block)	0	40	100
	21	2	(Lighting)	0	43	100

T_FEE

Row	FEETYP	FEEMEM
Constant	0	Trays
	1	Bulk
	2	Adhesive
	3	Emboss
	4	Paper
	5	Sticks
	6	Flipchip
	7	STU
	8	Paper/Emboss
	9	Wafer
	10	Motor
	11	Radial
	12	Axial
	13	Trough

UserGroup

Row	USERGROUP	APPLICATIONID	ATTRIBUTION
Constant	KITMNG_ADMIN	2	1
	KITHANDY_ADMIN	10	2

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VerifierConfig

Row	SettingName	Setting Type	SettingValue (Default)	Description
Constant	DIDScanMode	0	0	<p>[Description] Specifies the DID scan mode. 0: DID Scan 1: DID Joint</p>
	DIDScanCount	0	1	<p>[Description] Specifies the barcode scan count for DID reading. [Setting range] 1 ~ 9</p>
	UsePrefix	0	0	<p>[Description] Specifies whether to perform barcode analysis using the barcode prefix. When performing barcode prefix analysis, it is necessary to set the BarcodePrefix table. (Move from SystemInfo table) 0: OFF 1: ON</p>
	NoPrefixFilter	0	Null	<p>[Description] When not using the barcode prefix for barcode analysis, this specifies whether to use the barcode filter and also specifies the filter name for barcode analysis. (Transfer from SystemInfo table) Null Do not perform barcode filter analysis. Other than Null Perform barcode analysis using the specified filter name. The value specified here must exist in BarcodeFilter.FilterID.</p>
	AUTODIDJOINT CODE	0	-	<p>[Description] Registers a character string used for joining the part barcode and serial No. when generating DIDs automatically.</p>
	AUTODIDJOINT NUM	0	5	<p>[Description] Specifies the serial No. length when generating DIDs automatically. [Setting range] 1 ~ 9</p>
	COMMENTAFTER	0	%	<p>[Description] This code is used for removing comments entered in Device Comment in the recipe. At verification, all comments after the specified code are removed and the data is compared.</p>

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Row	SettingName	Setting Type	SettingValue (Default)	Description
	COMMENTBETWEEN	0	/	[Description] This code is used for removing comments entered in Device Comment in the recipe. At verification, all comments enclosed by the specified code are removed and the data is compared.
	DIDAUTODELQTY	0	0	[Description] Specifies the DID parts count at which the DID is automatically deleted. 0: OFF 1 or higher: ON
	DIDAUTODELSTATUS	0	0	[Description] Specifies automatic deletion of the DID when a parts out status occurs. 0: OFF 1: ON
	DIDAUTODELRATIO	0	0	[Description] Specifies automatic deletion of the DID when the parts count is equal to or below the specified ratio. 0: OFF 0.1 ~ 100.0: ON
	RESCANPARTBARCODE	0	0	[Description] Specifies whether to scan the part barcode as well as checking the DID at verification. 0: OFF 1: ON
	CHECKUSERID	0	0	[Description] Specifies whether the user ID is to be checked at verification. 0: OFF 1: ON
	CHECKPARTSMASTER	0	0	[Description] Specifies whether the part master check is to be performed when registering parts. 0: OFF 1: ON
	CHECKFEEDER	0	0	[Description] Specifies whether a feeder check is to be performed when registering parts. 0: OFF 1: ON

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Row	SettingName	Setting Type	SettingValue (Default)	Description
	DRYTYPESELE CTMODE	0	0	[Description] Specifies whether to link the tray definition data to the part barcode or part number when dry components are supported. 0: Select setting without linking the data 1: Link to part number 2: Link to part barcode
	DRYOVENFLO ORLIFESTART	0	0	[Description] Specifies whether to begin tracking floor life when the dry component is removed from the dry oven. 0: Do not begin tracking floor life when the dry oven is opened. 1: Begin tracking floor life when the dry oven is opened.
	DIDSCANFIXC OUNT	0	1	[Description] Sets the DID scanning method used when a DID is input. 0: Scanning is stopped upon confirmation of the DID. 1: Perform scanning the specified number of times.
	DELMODEFORI DINFO	0	0	[Description] Specifies the timing for ID data deletion. 0: Delete after completion of verification. 1: Delete after scanning.
	CheckQTY	0	1	[Description] Specifies whether to perform a parts out check (Remaining parts count = 0) at verification. 0: Do not perform parts out check. 1: Perform parts out check.
	CheckLowQTY	0	0	[Description] Specifies whether to perform a parts out limit check (Remaining parts count = Low QTY) at verification. 0: Do not perform parts out limit check. 1: Perform parts out limit check.
	CheckSPLowQT Y	0	0	[Description] Specifies whether to perform a splicing warning check (Remaining parts count = Splicing Low QTY) at verification. 0: Do not perform splicing warning check. 1: Perform splicing warning check.
	CHECKUSERID PART	0	0	[Description] Specifies whether users need to enter their user ID when creating or editing part data. 0: OFF 1: ON

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Row	SettingName	Setting Type	SettingValue (Default)	Description
	VALIDRSVTIME	0	0	[Description] Specifies the T_ID record deletion period. This setting also specifies whether to monitor the validity of T_ID records. 0: Do not delete or monitor validity of T_IDs 10~600: Deletion period [sec], monitor validity of T_ids.
	InputShelfName	0	0	Specifies whether users need to enter shelf name and number when checking out parts. [Settings] 0: OFF 1: ON
	ShelfawareMode	0	0	Specifies whether the function for extracting the shelf name from the shelf number is enabled. [Settings] 0: OFF 1: ON
	ShelfawareChar	0	:	Specifies the delimiter used by the function for extracting the shelf name from the shelf number. [Settings] 1 alphanumeric character
	KITPartsNaviMode	0	0	Specifies whether to perform checkout navigation by individual slots. [Settings] 0: OFF 1: ON
	DuplicateDidChk	0	0	Specifies whether to perform a DID duplicate check. [Settings] 0: OFF 1: ON
	DuplicateFidlChk	0	0	Specifies whether to perform a tray fiducial mark reading error check. [Settings] 0: OFF 1: ON
	PartsNaviFIFO	0	1	Specifies whether to perform a parts check in checkout management when check out instructions are issued using the parts navigation function. [Settings] 0: Do not perform check in check out management 1: Perform check in check out management

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Row	SettingName	Setting Type	SettingValue (Default)	Description
	PartsNaviExtraRate	0	0	Specifies the percentage by which parts usage counts are increased when using the parts navigation function. [Settings] 0.000 to 100.000 [%]
	PartsNaviExtraRateMode	0	0	Specifies whether to increase parts usage counts by the percentage in the setting above when using the parts navigation function. [Settings] 0: Do not increase parts usage counts by the specified percentage. 1: Increase parts usage counts by the specified percentage
	PartsEndNotice	0	0	Specifies whether to issue warnings about many parts out warnings occurring in a specified time. [Settings] 0: Do not issue warnings 1: Issue warnings
	DRYBOXPRIORITY	0	0	When using dry components, give priority to using opened parts in the dry box. [Settings] 0: Do not reference opened/unopened parts 1: Use opened parts first
	USEBOXLIFE	0	0	Specify whether or not to manage dry box life. [Settings] 0: Do not manage box life 1: Manage box life
	BOXLIFEWARDATE	0	14	Box life up warning [Settings] 1 to 180 days
	MAINTERESETFID	0	0	Specify whether Advanced Maintenance was reset or not. [Settings] 0: Not reset 1: Reset
	MAINTERESETNZL	0	0	Explanation: Specifies whether reset processing for Advanced Nozzle Maintenance is performed. Setting list 0: Not performed 1: Perform
	MAINTERESETHEAD	0	0	Explanation: Specifies whether reset processing for Advanced Head Maintenance is performed. Setting list 0: Not performed 1: Perform

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Row	SettingName	Setting Type	SettingValue (Default)	Description
	LINE_SHELF	0	5	Shows the priority for using parts from the shelf at the line. [Settings] 1 to 10
	LINE_BOX	0	3	Shows the priority for using parts from dry storage at the line. [Settings] 1 to 10
	LINE_OVEN	0	4	Shows the priority for using parts from the dry oven at the line. [Settings] 1 to 10
	LINE_STAND	0	2	Shows the priority for using parts from the Kitting Stand at the line. [Settings] 1 to 10
	LINE_PALLET	0	1	Shows the priority for using parts from the feeder pallet at the line. [Settings] 1 to 10
	SHARED_SHELF	0	10	Shows the priority for using parts from the shelf at the entire factory. [Settings] 1 to 10
	SHARED_BOX	0	8	Shows the priority for using parts from dry storage at the entire factory. [Settings] 1 to 10
	SHARED_OVEN	0	9	Shows the priority for using parts from the dry oven at the entire factory. [Settings] 1 to 10
	SHARED_STAND	0	7	Shows the priority for using parts from the Kitting Stand at the entire factory. [Settings] 1 to 10
	SHARED_PALLET	0	6	Shows the priority for using parts from the feeder pallet at the entire factory. [Settings] 1 to 10
	MISTAKEPASTEDID_FEEDER	0	0	Specifies whether to check for incorrectly attached barcode labels at feeder parts. 0: Do not check 1: Check

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Row	SettingName	Setting Type	SettingValue (Default)	Description
	MISTAKEPAST EDID_TRAY	0	0	Specifies whether to check for incorrectly attached barcode labels at tray parts. 0: Do not check 1: Check
	MISTAKEPAST EDID_WAFER	0	0	Specifies whether to check for incorrectly attached barcode labels at wafer parts. 0: Do not check 1: Check
	DUPLICATEDID CHKRESULT	0	0	Specify whether or not an error should occur if there are duplicate DIDs during verification. 0: Not effective 1: Effective
	SldAutoRegMod e	0	1	Specifies whether solder automatic registration is turned on. 0: OFF 1: ON
	SqeAutoRegMo de	0	1	Specifies whether squeeze automatic registration is turned on. 0: OFF 1: ON
	MskAutoRegMo de	0	1	Specifies whether mask automatic registration is turned on. 0: OFF 1: ON
	BlpAutoRegMod e	0	1	Specifies whether backup plate automatic registration is turned on. 0: OFF 1: ON

Note)

Ensure "Match Case" is unchecked when performing a search for "SettingName" in the application.

NXT/AIM/AIMEX slot numbers and part supply units

The following table shows the relationship between the slot numbers reported from the NXT/AIM/AIMEX and the various part supply units.

Part supply unit	Slot number range
Feeder	1 ~ 99
Tray-L	101 ~ 199
Tray-MA	201 ~ 299
Tray-MB	301 ~ 399
Tray feeder-MA	401 ~ 499
Tray feeder-MB	501 ~ 599
Tray feeder-MC	601 ~ 699
Tray feeder-LA	701 ~ 799
Tray feeder-LB	801 ~ 899
Tray unit-LTA	901 ~ 924
Tray unit-LTB	925 ~ 948
Tray unit-LTCA	1001 ~ 1012
Tray unit-LTCB	1013 ~ 1024

Device Status Definition

Denotes the definition of the device status indicated by the device status.

This value is used for DeviceMap, OperatorTrace, T_LOC and T_ID.

This value is also used for the status of the Status Priority.

Device status	Meaning
-1	Unset
0	SetOK
1	Tape E
2	Parts E
3	Next D
4	Vision
5	Pickup
6	No Feeder
7	Miss Feeder
8	No ID
9	Miss D
10	Pre-SetOK
11	Manual Permission
12	Not Used
13	NG Feeder
14	Splicing Warning
15	Parts Out Warning
16	Splicing Unset
17	Remove Feeder
19	Incorrect tray
20	Parts Block
21	Lighting

Feeder type

The feeder definitions are as follows.

These values are used in T_LOC and T_FSSLOC.

Feeder value	Type
-1	Multi
0	Trays
1	Bulk
2	Adhesive
3	Emboss
4	Paper
5	Stick
6	Flipchip
7	STU
8	Paper/Emboss

9	Wafer
10	Motor
11	Radial
12	Axial
13	Trough

Class type

The class definitions are as follows.

These values are used in T_LOC and T_FSSLOC.

Feeder value	Type
0	Tape
1	Trays
2	Wafer

Table Comparison for Scale Up Function

The following is a list of the tables used by the Stock database and Line database when using the Scale up function.

O: Used

x: Not used

Δ: Table is used following synchronization of Stock database and Line database data by the Data Transaction Server.

Note that a system may only have one Stock database and up to 4 Line databases.

Class	Table name	Stock database	Line database	Remarks
System settings	DBConfig	O	x	
	SystemInfo	O	O	
Line and machine configuration data	BaseConfig	x	O	The line and machine configuration data is managed in the Line database.
	CameraConfig	x	O	
	ConveyerInfo	x	O	
	FlpConfigForVerifier	x	O	
	LineNames	x	O	
	LineNames_BackUp	x	O	
	LineDesc	x	O	
	LineDesc_BackUp	x	O	
	Line status	x	O	
	MachineNames	x	O	
Feeder data	T_FID	O	Δ	Overall feeder data is managed in the Stock database. Feeder data currently used by a given line is managed in the Line database to which that line belongs.
	T_FIDSTS	O	x	
Feeder data	T_ID	x	O	Feeder and part related data is managed in the Line database.

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	T_RSV	x	O	
Part data	T_DID	O	Δ	Overall part data is managed in the Stock database. Part data currently used by a given line is managed in the Line database to which that line belongs. Line database data that is updated during production is saved to the Stock database.
	T_DID_BACKUP	O	x	
	T_DIDSTS	O	x	
	T_DIDNavi	O	x	
	T_DRY	O	Δ	
	T_DRY_BACKUP	O	x	
	T_SLOTNavi	x	O	
	T_TRAY	O	Δ	Overall tray parts data is managed in the Stock database. Tray parts data currently used by a given line is managed in the Line database to which that line belongs. Line database data that is updated during production is saved to the Stock database.
	T_TRAY_BACKUP	O	x	
	T_PBAR	O	O	Part master data that is added, modified or deleted in Kit Manager is saved to the Stock database and to each of the Line databases. However, data that is imported into Kit Manager is only saved to the database from which it was imported.
	T_TEMPTRAY	x	x	Currently, "Without DID" mode cannot be used at the same time as the scale up function.
	T_TEMPDID	x	x	
Program data	BakingMaster	O	O	
	BodyThicknessMaster	O	O	
	DeviceMap	x	O	
	MachineStatus	x	O	
	MachineStatus2	x	O	
	ProgramStatus	x	O	

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Parts configuration data (Machine)	T_LOC	×	O	Parts configuration data that is currently being used at a machine is managed in the Line database.
Operator trace	OperatorTrace	O	O	The database (Stock database or Line database) to which the data is saved depends on the operations performed by the operator. See below for details.
Additional verification functions	AVLList	×	O	AVL lists are saved to each Line database.
	PartsBlock	×	O	Parts blocking lists are saved to each Line database.
	PartsBlockKey	×	O	
	PartsRestriction	×	O	
	PartsRestrictionKey	×	O	
Logon user data	T_PRV	O	O	Logon privileges are managed separately for each database.
	UserName	O	O	
Traceability data	BlockInfo	×	O	Traceability data is saved to each Line database.
	DeviceTrace	×	O	
	Dkey	×	O	
	Nkey	×	O	
	NozzleTrace	×	O	
	PanelGroupTrace	×	O	
	PcbTrace	×	O	
	Placement	×	O	
	Rkey	×	O	
	T_PROFDATA	×	O	
	T_PanelLOC	×	O	
	MatHistory	×	O	Feeder maintenance data is saved to each Line database.
Feeder maintenance data	MatMeasureMaster	×	O	
	MatCauseMaster	×	O	
	UnwantedLot	×	O	Panel blocking lists are saved to each Line database.
Panel blocking data	UnwantedTrace	×	O	Panel blocking history is saved to each Line database.
	Other	KittingStandCurFIDL	×	O

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	SystemTrace	O	O	
Calibration data	ApplicationMaster	O	O	As this system data does not change, the same values are stored in both the Stock database and Line databases.
	BarcodeFilter	O	O	
	ErrorCategory	O	O	
	FloorLifeMaster	O	O	
	GemParamForVerifier	x	O	
	MachineSpec	O	O	
	ModuleSpec	O	O	
	MatObjectMaster	O	O	
	MatAlarmMaster	O	O	
	OperatorActions *1	O	O	
	StatusPriority	O	O	
	T_VER	O	O	
	T_FEE	O	O	
Schedule data	UserGroup	O	O	
	VerifierConfig	O	O	
	ScheduleNavi	O	x	
	ScheduleDataNavi	O	x	
	SchedulePalletNavi	O	x	

*1 See the next section "OperatorActions Table Data Comparison for Scale Up Function" for details.

OperatorActions Table Data Comparison for Scale Up Function

The following is a list showing which data is saved to the OperatorActions table in the Stock database and Line database respectively when using the scale up function.

O: Data is saved in the table

x: Data is not saved in the table

ACTIONID	DESCRIPTION	Stock database	Line database
1001	Verification on Kitting	x	O
1002	New registration of part	O	x
1003	Editing of part *1	O	x
1004	Deletion of part *1	O	x
1005 (0402")	New registration of feeder / tray	O	x
1006	Editing of feeder / tray *1	O	x
1007	Deletion of feeder / tray *1	O	x
1008	Starting of KIT Server	x	O
1009	Stop of KIT Server	x	O
1.0 x 1.0	Feeder setup using Kitting	x	O
1011	Feeder setup using HT	x	O
1012	Splicing setup	x	O
1013	Starting of KIT Handy Service	x	O
1014	Stop of KIT Handy Service	x	O
1015	New registration of ID	x	O
1016	Editing of ID	x	O
1017	Deletion of ID	x	O
1018	Remove of Feeder	x	O
1019	Dynamic Next Feeder Setup	x	O
1020	Tray setup using Kitting	x	O
1021	Remove of Tray	x	O
1022	Put parts on a shelf	x	x
1023	Remove parts from a shelf	x	x
1024	Put parts in dry storage	x	x
1025	Remove parts from dry storage	x	x
1026	Put parts in dry oven	x	x
1027	Remove parts from dry oven	x	x
1028	Starting of Central Server	x	O
1029	Stop of Central Server	x	O
1030	Separate of Part	x	x
1031	Update of Parts Count	O	O
1032	Add Parts of Tray	O	O
1033	Import of Parts Restriction List	O	O
1034	Delete of Parts Restriction List	O	O
1035	Import of Parts Block List	O	O
1036	Delete of Parts Block List	O	O

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1037	Import of Parts Master	O	O
1038	Export of Parts Master	O	O
1039	Import of Parts	O	O
1040	Export of Parts	O	O
1041	Import of Feeders	O	O
1042	Export of Feeders	O	O
1043	Import of IDs	O	O
1044	Export of IDs	O	O
1045	Import of AVL List	O	O
1046	Delete of AVL List	O	O
1047	Import of Baking Master	O	O
1048	Delete of Baking Master	O	O
1049	Import of Floor Life Master	O	O
1050	Delete of Floor Life Master	O	O
1051	Assign of schedule	O	O
1052	Checkout navigation of schedule	O	O
1053	Product complete of schedule	O	O
1054	Return navigation of schedule	O	O
1055	Cancel of checkout navigation	O	O
1056	Delete of schedule	O	O

*1 Operations performed at the Line databases are also recorded in the Stock database.

Table Update Timing

The following table has the timing information for when each table is updated. (The "●" mark indicates that the record is updated)

		Rkey	Traceability information	PanelGroupTrace	PcbTrace	Placement	Dkey	DeviceTrace	BlockInfo	Additional comparison function	Operator trace	Parts navigation information (mc)	Program information
Preparation	Part master data is registered in Kit Manager												
	A feeder is registered in Kit Manager	●											
	Reel parts are registered in Kit Manager			●									
	Tray parts are registered in Kit Manager			●		●							
	Part master data is edited in Kit Manager						●						
	A feeder is edited in Kit Manager	●											
	Reel parts are edited in Kit Manager			●									
	Tray parts are edited in Kit Manager			●		●							
	Part master data is deleted in Kit Manager							●					
	A feeder is deleted in Kit Manager	●											
	Reel parts are deleted in Kit Manager		●	●	●	●	●						
	Tray parts are deleted in Kit Manager		●	●	●	●	●	●					
Parts are supplied	Jobs are changed		●						●	●	●	●	
	A feeder is quick verified		●	●	●	●	●			●			
	Trays are verified						●				●		

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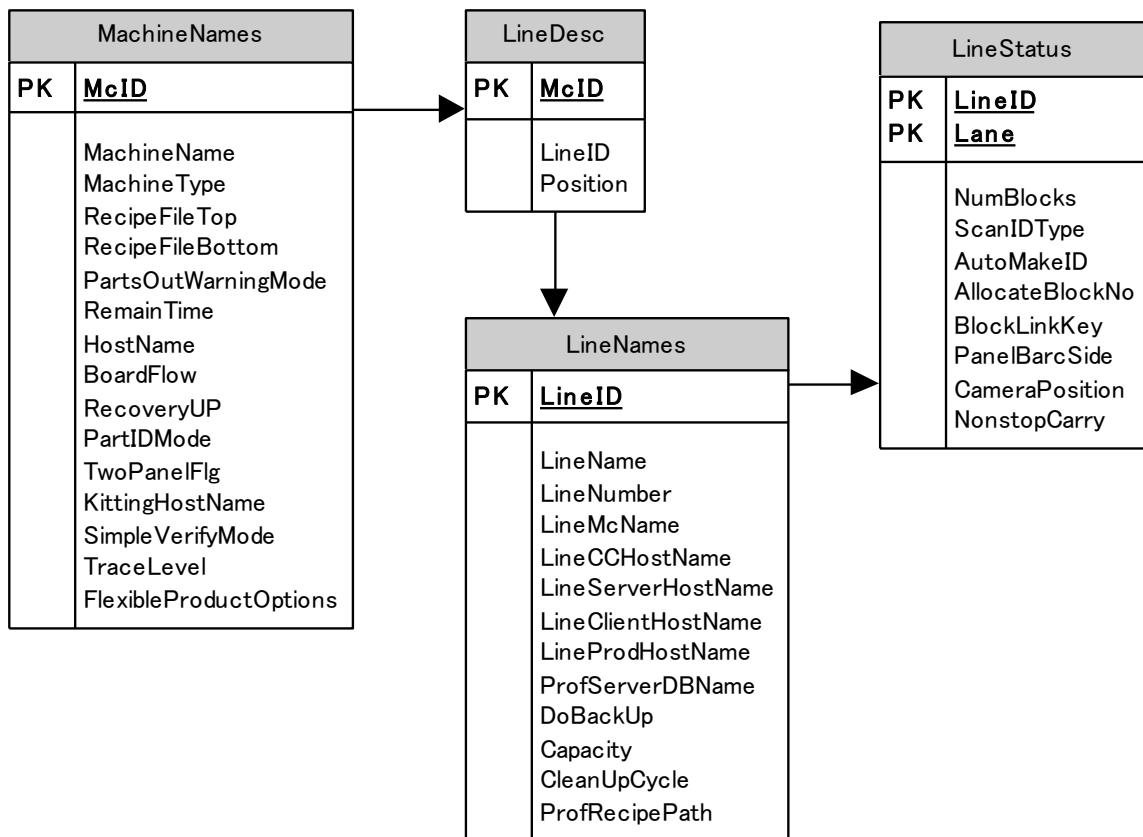
	A feeder is set in a machine (when the feeder ID is read)	●							●	●										
	Splicing is performed			●	●						●	●								
Preparing for next production	External verification is performed in External Changeover	●			●	Note 1						●	●							
During production	Pickup related error occurs	●	●									●								
Production of one panel completed	Feeder status changed																			
	Updating of the remaining quantity of parts is performed from the machine	●			●						●									
	Traceability information is recorded														●	●	●	●	●	●
																		*2.	*2.	

Note 1: When using automatic DID registration mode

Note 2: When the [Trace Level] setting for the line in the Kit line configuration is "Normal" or higher.

Table Link Specifications

Line Configuration Relationship



Machine related data is saved in the MachineNames table.

The machine arrangement order is defined in the LineDesc table, and is linked by the MachineNames table, McID field, and the LineNames table LineID field.

Line related data is saved in the LineNames table.

The panel camera is also registered in the MachineNames table, and the panel cameras in the line and the machine allocation configuration are linked by the LineDesc table.

The line status related data is saved in the LineStatus table.

This relationship is established the moment the line configuration is registered.

Note:

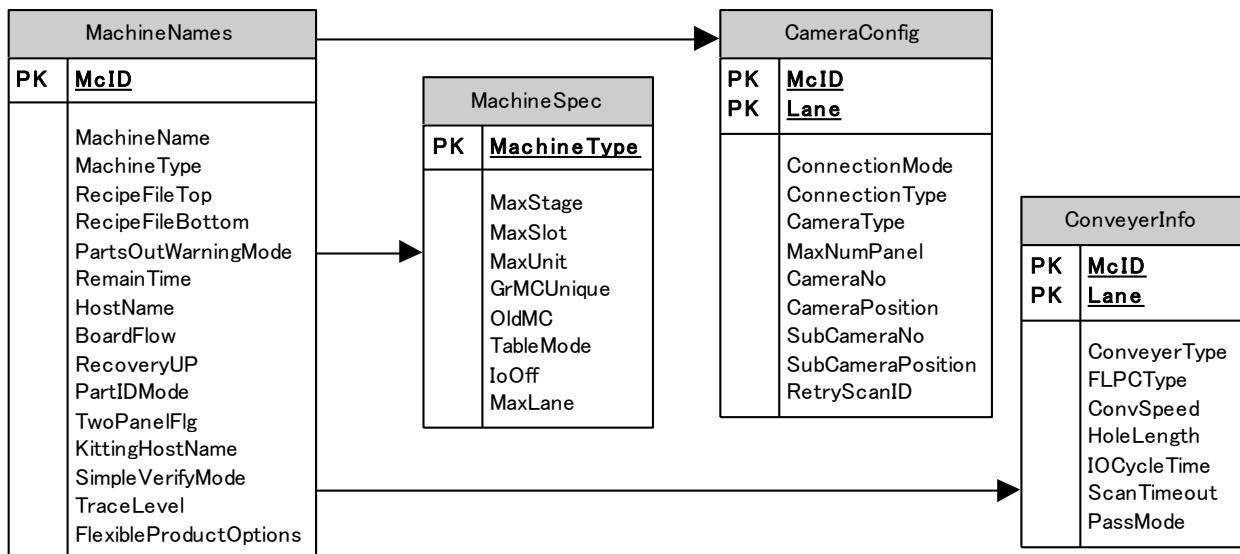
This data remains even after the line information is deleted.

The validity of the line information is determined as follows.

- The LineID is greater than 1.
- The LineNames and LineNumber are greater than 1.

If these conditions are not met, the line is determined to have been deleted, and even machines that do not exist on a valid line are determined to be invalid machines.

Machine and Camera Relationship



Either the machine or camera is determined from the MachineNames table MachineType field.

The specifications for each machine type are defined in the MachineSpec table.

In the case of machines, the machines are linked by the MachineNames table MachineType field and the MachineSpec table MachineType field.

The panel camera specifications are defined in the CameraConfig table. As a result, in the case of the panel camera, there is no link to the MachineType table.

The FLP conveyor specifications are defined in the ConveyerInfo table.

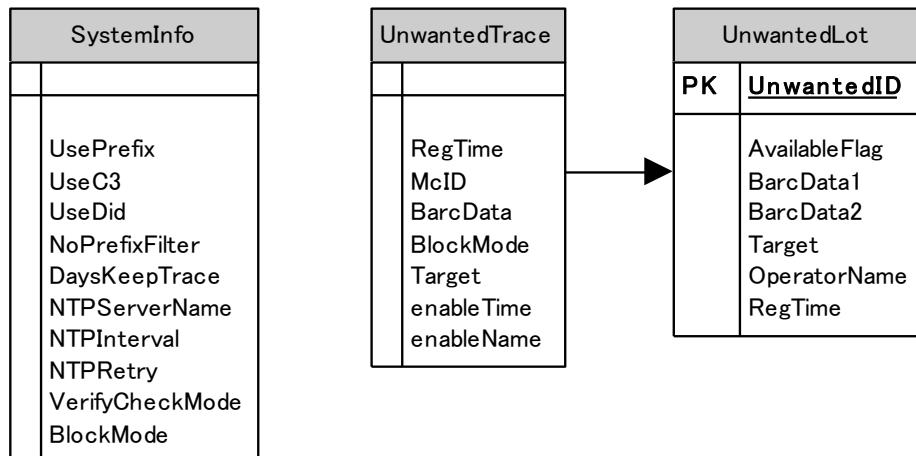
This information does not exist for cameras that do not use an FLP.

These are linked respectively by the MachineNames table McID field and CameraConfig table and McID field, and the MachineNames table McID field and ConveyerInfo table McID field.

In the case of machines, there is no link to the CameraConfig table and ConveyerInfo table.

This relationship is established the moment the machine and panel camera are registered.

Unwanted Lot and Unwanted Lot Trace Relationship

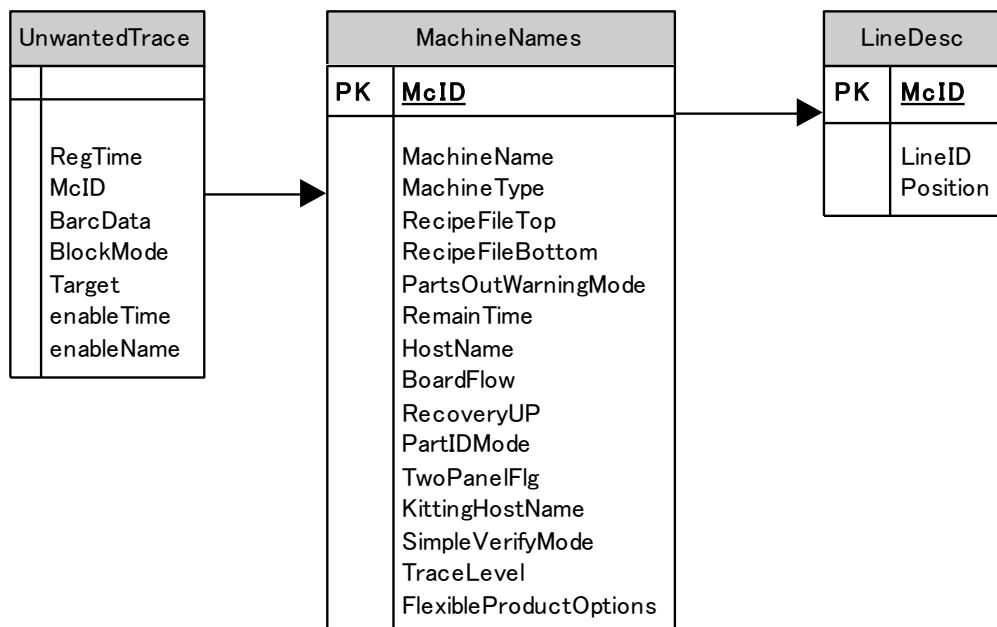


The **UnwantedLot** is used to store the relationship for lots for which use is to be prohibited or permitted (hereafter referred to as Unwanted Lot). Furthermore, the response to be taken when the system discovers that that lot was used on the line is determined by the value in the **SystemInfo** table **BlockMode** field.

This **UnwantedLot** table is created the moment an **UnwantedLot** is registered.

If the system discovers that the Unwanted Lot stored in this table was used on a line or machine, detailed information relating to the Unwanted Lot is added to the **UnwantedTrace** table. This detailed information includes trace information specifying when and on which machine the Unwanted Lot was used.

Unwanted Lot History and Machine Relationship



The **UnwantedTrace** table is created the moment the system discovers that an Unwanted Lot is being used.

The **UnwantedTrace** table and **MachineNames** table **McID** fields are linked, and the machine or camera on which the Unwanted Lot was used is identified.

Identify the **LineID** from the **McID** in the **LineDesc** table in order to identify the line on which the

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Unwanted Lot was used.

This relationship is created the moment the system discovers the UnwantedLot.

Trace Information Storage Period

Trace Information and Storage Period

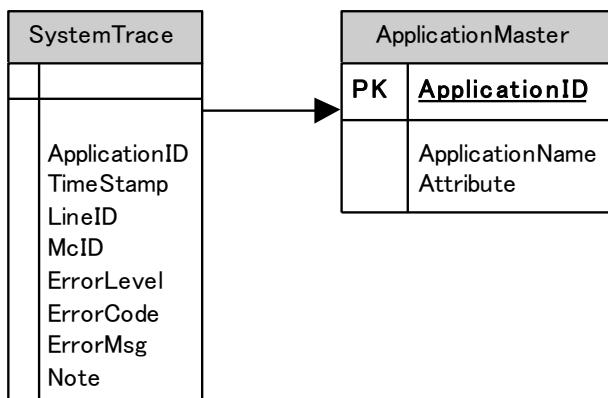
SystemInfo	SystemTrace	UnwantedTrace
UsePrefix UseC3 UseDid NoPrefixFilter DaysKeepTrace NTPServerName NTPInterval NTPRetry VerifyCheckMode BlockMode	ApplicationID TimeStamp LineID McID ErrorLevel ErrorCode ErrorMsg Note	RegTime McID BarcData BlockMode Target enableTime enableName

The storage period for output trace information is the storage period (no. of days) specified in the DaysKeepTrace field in the SystemInfo.

Older information is automatically deleted at the database.

Trace Data and Application relationship

Trace data and application relationship

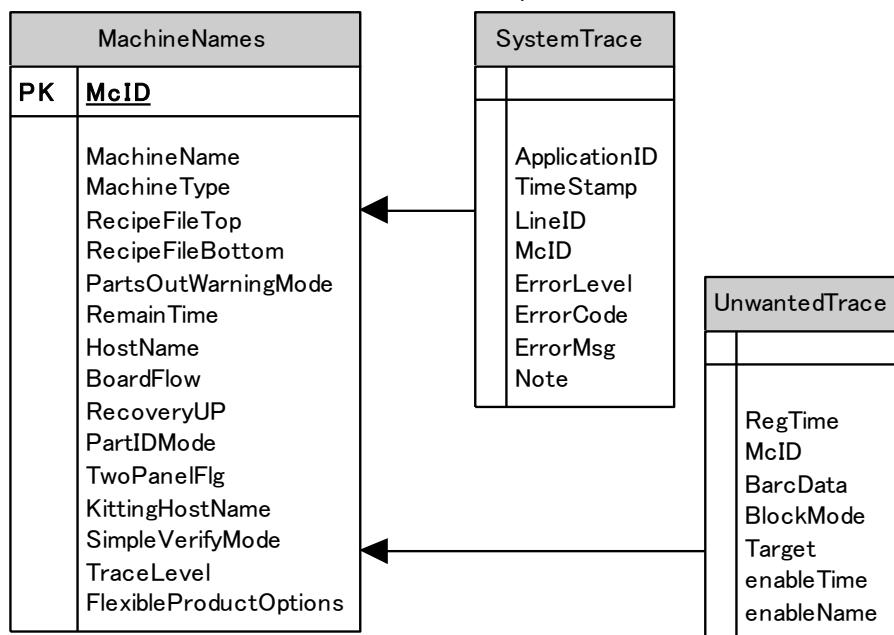


Trace data is output for each application with its own ID.

By doing this, it is possible to isolate the application for which a problem occurred from this trace data.

Trace Information and Machine, Line Relationship

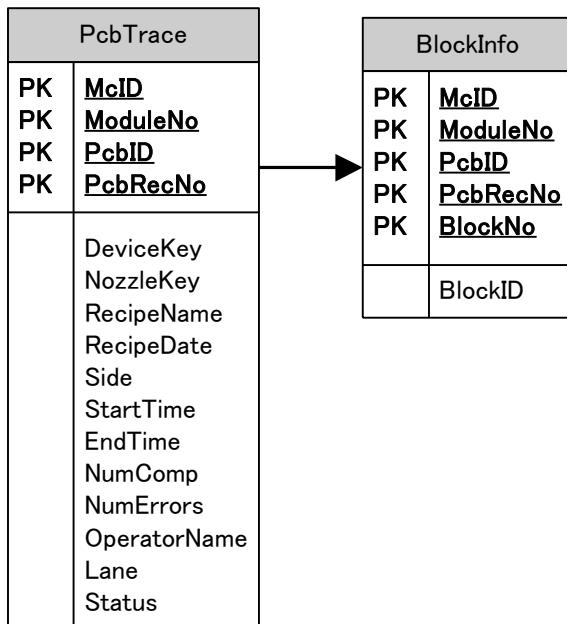
Trace Information and Machine, Line Relationship



The MCID for machines or cameras for which problems occur is recorded when outputting trace information.

The machine, camera, or line for which the problem occurred can be identified from this information.

Panel and Board Relationship

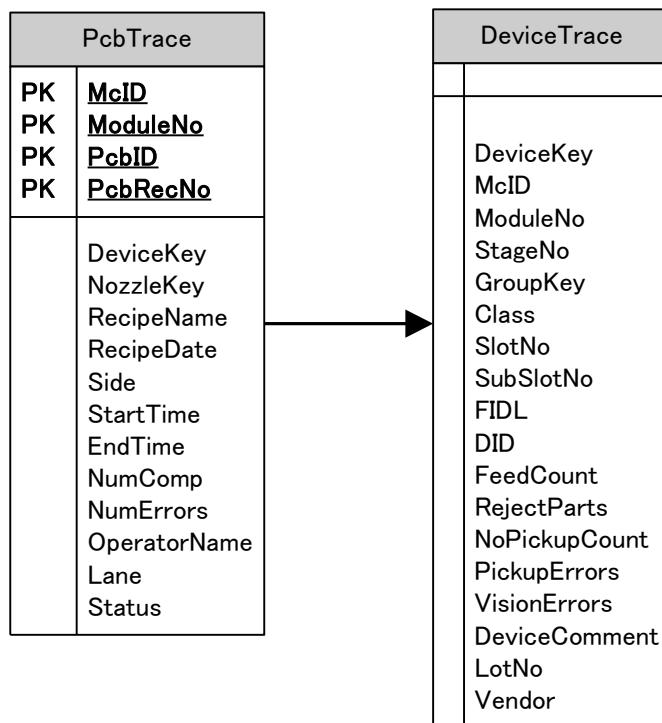


Information for individual panels for each machine is stored in the PcbTrace table.

This information is linked by the PcbTrace table PcbID field and BlockInfo table McID, PcbID, ModuleNo, and PcbRecNo fields.

The panel board information is saved in the BlockInfo table. (However, information is only stored for the block produced on that machine.)

Panel and Device Relationship



Information for individual panels for each machine is stored in the PcbTrace table.

This information is linked by the PcbTrace table DeviceKey field and the DeviceTrace table DeviceKey field. (The McID and ModuleNo are also included.)

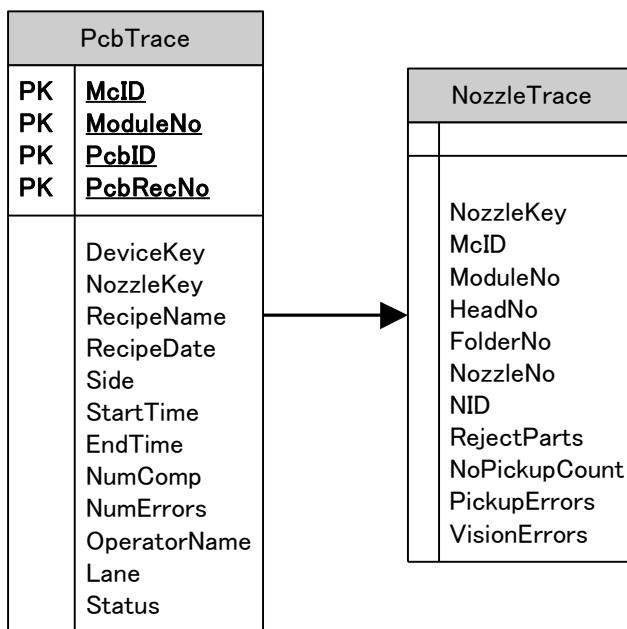
A single device key contains the list of devices (FIDL and DID association) used to produce one panel.

Ex.)

Step	Production Condition	Panel ID	DeviceKey
1	Devices 1, 2, and 3 are used to produce panel A.	A	DeviceKey1 is created (Device1,2,3)
2	The same devices are then used to produce panel B.	B	DeviceKey1 unchanged
3	Device 1 is changed to device 4 during production of panel C.	C	DeviceKey2 is created (Device1,2,3,4)
4	Panel D is then produced.	D	DeviceKey3 is created (Device2,3,4)

Note: There are cases when the PcbTrace DeviceKey field is empty (Null).

Panel and Nozzle Relationship



Information for individual panels for each machine is stored in the PcbTrace table.

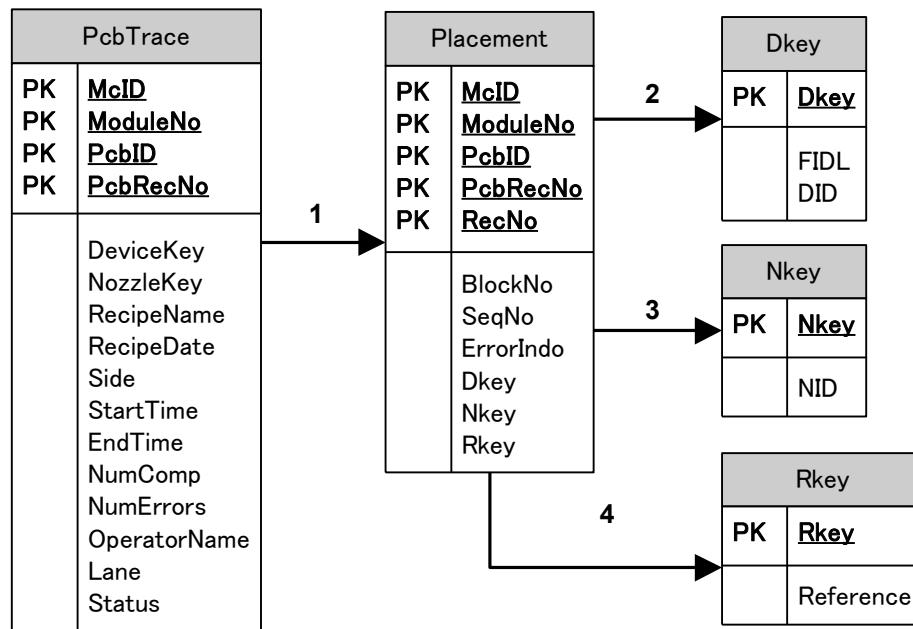
This information is linked by the PcbTrace table NozzleKey field and the NozzleTrace table NozzleKey field. (The McID and ModuleNo are also included.)

A single NozzleKey contains the list of nozzles used to produce one panel.

Note: There are cases when the PcbTrace NozzleKey field is empty (Null).

Note: The NozzleTrace creation method is the same as that for the DeviceTrace.

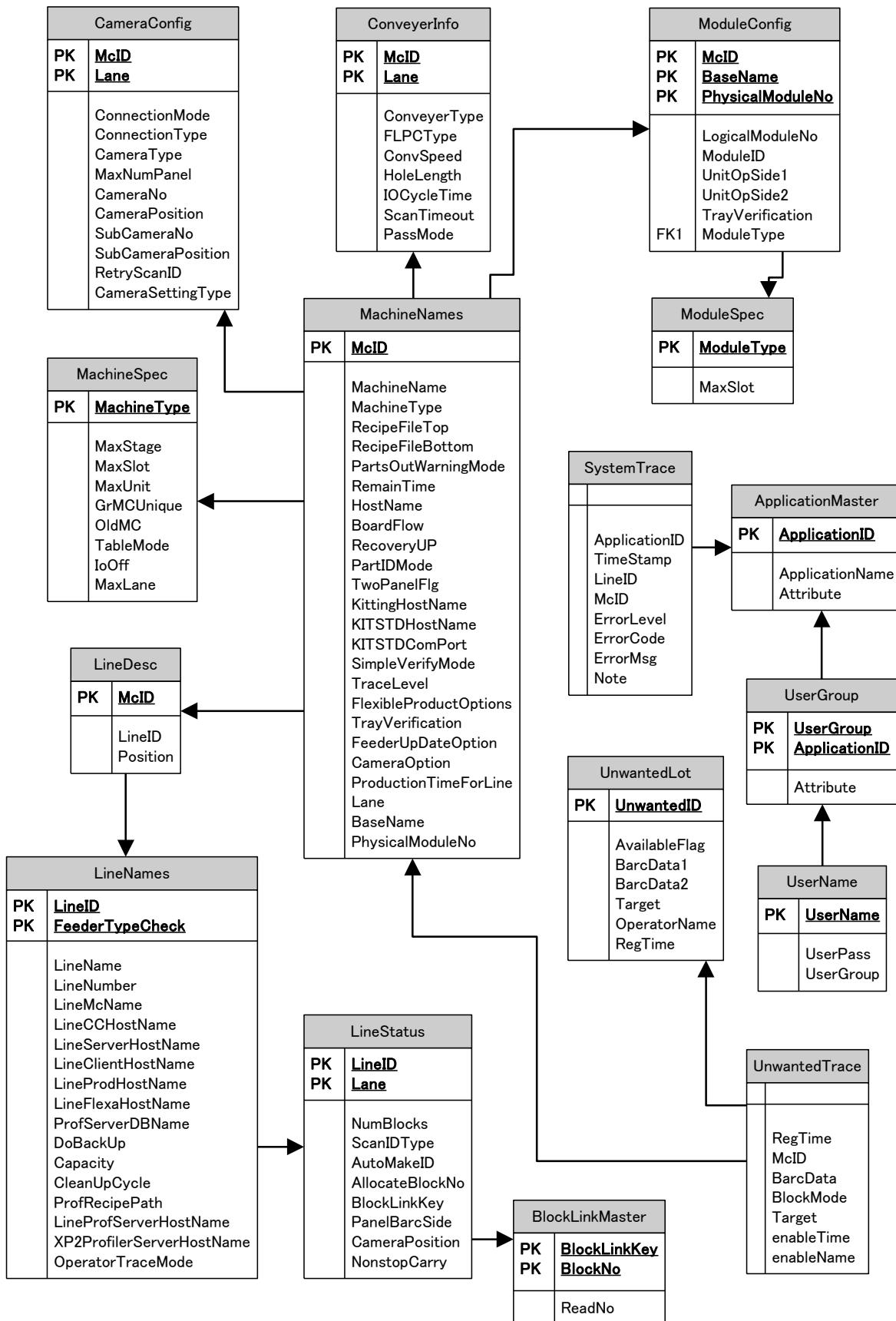
Panel and Sequence Relationship



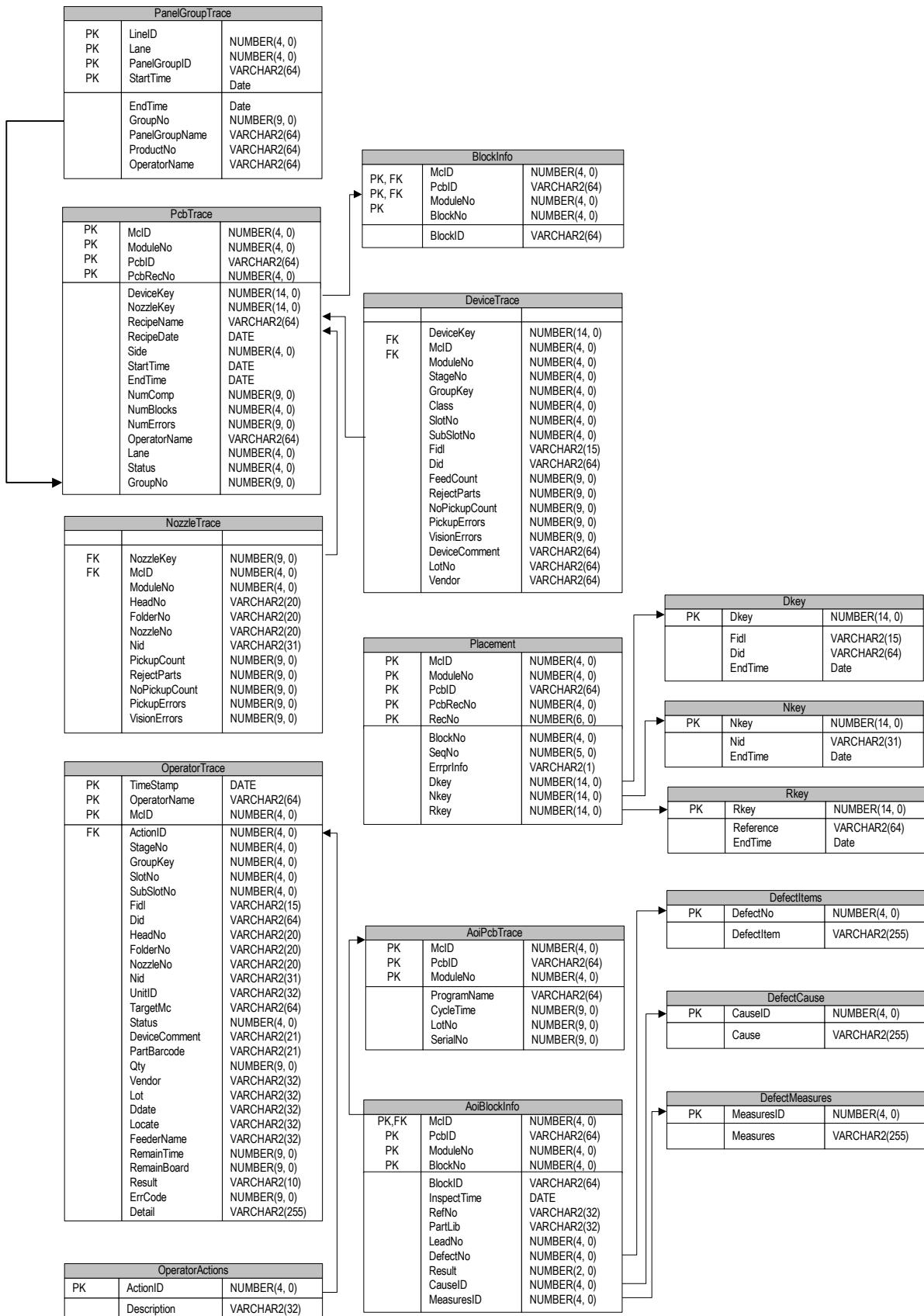
1. Information for individual panels for each machine is stored in the PcbTrace table.
This information is linked by the PcbTrace table PcbID field and the Placement table McID, PcbID, ModuleNo, and PcbRecNo fields.
Placement information for every part placed on the panel by the machine is stored in the Placement table.
2. The Placement table Dkey field and Dkey Dkey field are linked.
Each individual placed device (FIDL and DID association) in the linked Placement table is stored in the Dkey table.
3. The Placement table Nkey field and Nkey table Nkey field are linked.
The nozzle ID in the linked Placement table for each part placed is stored in the Nkey table.
Note: There are cases when the Placement Nkey field is empty (Null).
4. The Placement table Rkey field and Rkey table Rkey field are linked.
The part reference designator in the linked Placement table for each part placed is stored in the Rkey table.

Note: There are cases when the Placement Rkey field is empty (Null).

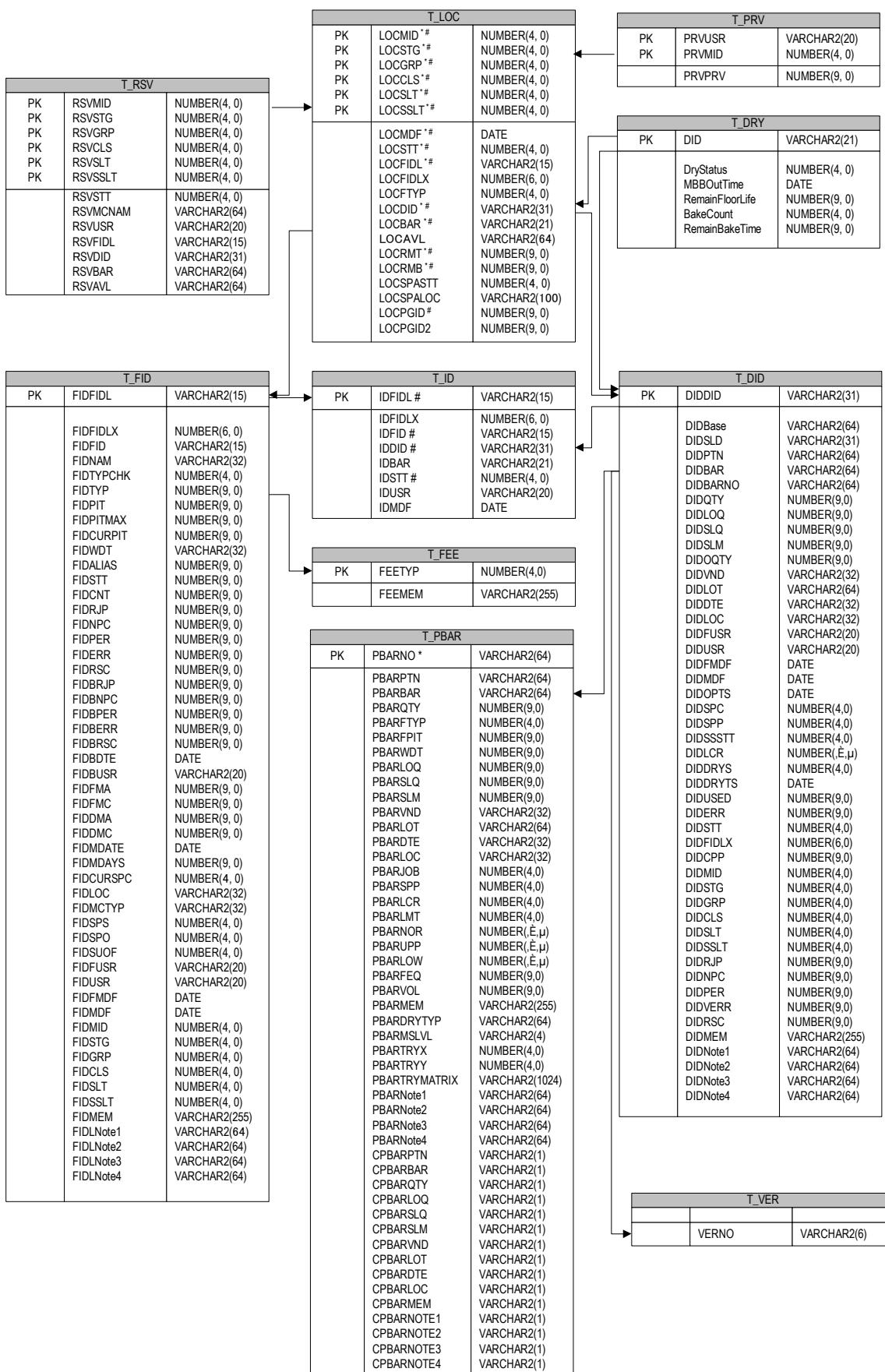
Table Structures



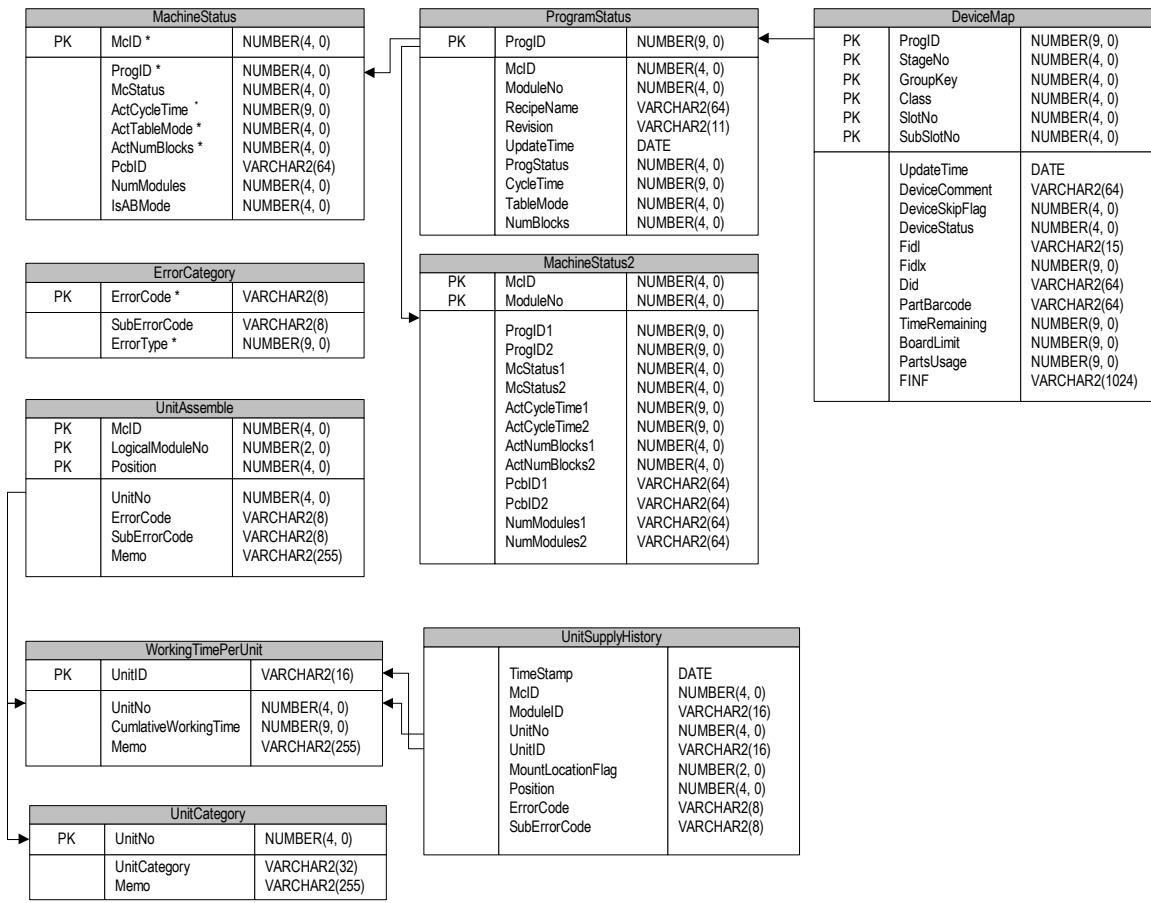
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