MACHINE MASTER

Machine Master Screen is the record of different machines with different attributes.
This functionality is used to perform the CRUD operations over the machine_master table.

The term CRUD is short for Create, Read, Update and Delete-

- Create

  Creates a new row in the machine_master table with data as entered by the user
- Read

  Returns a Stream over all the rows in the machine_ master table
- Update

  Updates an existing row in machine_master table in the database from the given entity based on primary key- "machine_id"
- Delete

  Removes the row from machine_master table in the database that has the same machine_id as the given entity

When user clicks on the "Add Machine Master" option under the "Master" Menu option of Maintenance, all the machines along with their attributes will be shown here.

Here, you can add a new machine record by clicking toolbar option 'Add new Record', can edit already available machine record by clicking edit button, or delete existing machine record by clicking delete button.

Add Machine Master:

A new machine record is created by clicking toolbar icon 'Add New Record'.

Functionalities:

✓ **List of Machines**: A Machine List table with the following properties is displayed:

- S No
  A unique identifier assigned incrementally or sequentially to the machines, to uniquely identify them.

- Machine Sr No
  A unique identifier assigned by the user to the machines, to uniquely identify them.

- Machine Description
  Description of machines corresponding to the particular machine ID.

- Machine Type
  Type of machine is to be selected here. There are some types which are already defined like CNC machine, non-CNC machine, laboratory instruments etc.

- Working Shop
  Sequence of stages are carried out in different shops such as wheel shop, bogie shop etc.

- Make
  Making of machine is done under some section, that section is "make".

- Model
  Different models of machine are available, so to differentiate, user have to enter the model of machine.

- Purchased By
  Machine is purchased by whom, this data will be entered by user.

- Purchase No
  With every purchase of machine, there is a purchase no associated.

- Purchase Order Date
  The date at which machine is purchased.

- Maintenance shop ID
  IDs associated with the maintenance shop of machines.

- Date of Commissioned
  Date notified by Corporation as the date on which the Plant is ready to commence commercial operations on machines after successfully completing the testing.

- Machine Cost

Cost at which machine is purchased.

- Machine Life
  Years machine is available for the customer i.e. years for which machine is working.

- AMC Agency
  ID and description associated with the AMC Agency.

- Machine Status
  This feature is not available on the screen but available in the database, tells whether the machine is in failed or working state.

✓ **Add New Record**: There are various fields:

- Machine Sr No
- Machine Description
- Machine Type
- Working Shop
- Make
- Model
- Purchased By
- Purchase No
- Purchase Order Date
- Maintenance Shop ID
- Date of Commissioned
- Machine Cost
- Machine Life
- AMC Agency

Note: Editing and deleting of existing data can be done on the screen.

ADDING NEW RECORD

When you click on Save button, data as entered by the user will be saved on the screen and in the database, one row will be added with the same data.

Add new record

Machine Sr No

1701654

Machine Description

Machine Type

Select ▼

Working Shop

Select ▼

Make

Model

Purchased by

Purchase No

Purchase Order date

Maintenance Shop Id

Select ▼

Date of commissioned

Machine Cost

Machine Life

AMC Agency

Select ▼

Cancel   Save

EDITING ALREADY EXISTING RECORD

When you want to add some new information to the existing data or want to update already entered data, you click on the edit button on the screen.

DELETE DATA

When you want to delete some data, you click on the delete button on the screen. Data deleted from the Screen will be deleted from database as well.

SCHEDULE ACTIVITY MASTER

Machine Schedule Activity is the master screen of all the activities which are to be performed on the machines on the basis of different schedules, activities can be cleaning, greasing etc. This functionality is used to perform the CRUD operations over the machine_schedule_activity table. It is the record of all activities.

The term CRUD is short for Create, Read, Update and Delete-

- Create
  Creates a new row in the machine_schedule_activity table with data as entered by the user
- Read
  Returns a Stream over all the rows in the machine_schedule_activity
- Update
  Updates an existing row in machine_schedule_activity table in the database from the given entity based on primary key- "activity_no"
- Delete
  Removes the row from machine_schedule_activity table in the database that has the same activity_no as the given entity

When user clicks on the "Add Schedule Activity" option under the "Master" Menu option of Maintenance, all the activities will be shown here.

Fig: Add Schedule Activity option under Master Menu option

Machine Schedule Activity Description

SNo	Activity Description		
	Machine Schedule Activity Description		+ Add new Activity
1	MACHINE CLEANING, REMOVAL OF CHIPS FROM COVERS, TROUGHS AND CHIP CONVEYORS.	✎	🗑
2	MACHINE INSPECTION WITH FOCUSING ON LEAKAGE OF MEDIA (OIL, COOLANTS) OUTSIDE OF MACHINE.	✎	🗑
3	INSPECTING THE TIGHTNESS OF MACHINE COVERS AND DAMAGE OF THE ENCLOSURE.	✎	🗑
4	CLEANING THE TAPERED CAVITY OF THE SPINDLE AND TOOL CLAMPING CONE, CHECK WHETHER FUNCTIONAL AREAS ARE NOT DAMAGED.	✎	🗑
5	CHECKING THE PRESSURES OF PRESSURE GAUGES AND IN HYDRAULICS CIRCUITS OF THE MACHINE ACCORDING TO THE DATA IN THE HYDRAULIC DIAGRAM.	✎	🗑
6	CHECKING THE SPECIFIED VALUE OF PRESSURE OF HYDRAULIC UNITS. PRESSURE CAN BE CHECKED ON PRESSURE GAUGES OF THE HYDRAULIC UNIT AND THE LUBRICATION UNIT. THE VALUE IS STATED ON THE LABEL.	✎	🗑
7	COOLING MEDIUM INSPECTION – FOR CONCENTRATION AND CONTAMINATION. NORMAL CONCENTRATION OF COOLANT IS 9-11%, OR IN ACCORDANCE WITH THE INSTRUCTIONS OF THE MANUFACTURER OF COOLANT OR USED TECHNOLOGY.	✎	🗑
8	CHECKING THE OPERATION OF THE "EMERGENCY STOP" PUSHBUTTON. TEST IT IN THE AUTOMATIC MODE; AT THE SAME TIME, MAKE SURE THAT THE TOOL IS NOT PRESENT IN CUT. TEST IT AT SELECTED MEDIUM SPEED OF THE SPINDLE.	✎	🗑
9	CHECKING THE PASSAGE THROUGH THE BORING ON THE BOTTOM SIDE OF THE FRONT FLANGE OF THE SPINDLE (WASTE FROM SEALING LABYRINTH).	✎	🗑
10	CHECKING THE VENTILATION SYSTEM OPERATION. OVERHEATING IS INDICATED WITH AN ERROR MASSAGE ON THE DISPLAY OF THE MACHINE CONTROL SYSTEM.	✎	🗑

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Here, you can add a new machine activity record by clicking toolbar option 'Add new Activity', can edit already available activity record by clicking edit button, or delete existing record by clicking delete button.

Add New Activity:

A new activity is created by clicking toolbar icon 'Add New Activity'.

Functionalities:

✓ **List of Activities**: An Activity List table with the following properties is displayed:

- S No
  A unique identifier assigned incrementally or sequentially to the machines, to uniquely identify them.

- Activity Description
  Description of activities corresponding to the particular activity no.

✓ **Add New Record**: There are two fields:

- Activity No
- Activity Description

Note: Editing and deleting of existing data can be done on the screen.

ADDING NEW RECORD

When you click on Save button, data as entered by the user will be saved on the screen and in the database, one row will be added with the same data.

EDITING ALREADY EXISTING RECORD

When you want to add some new information to the existing data or want to update already entered data, you click on the edit button on the screen.

DELETE DATA

When you want to delete some data, you click on the delete button on the screen. Data deleted from the Screen will be deleted from database as well.

Are you sure?

⚠ This record will be deleted. Are you sure?

Cancel Delete

AMC AGENCY MASTER

AMC stands for Annual Maintenance Contract. It is offered by all manufacturers after sales. It is the term that relates the buyers and the suppliers. The manufacturer company provides the maintenance service to their buyers for their valuable products. The duration of this contract can vary from 1 year to 3 year as per mutual consent of both the parties.

AMC Agency Master is the master screen of all the AMC Agencies which are associated with the individual machine. This functionality is used to perform the CRUD operations over the machine_amc_agency table. It is the record of all AMC Agencies.

The term CRUD is short for Create, Read, Update and Delete-
- Create
  Creates a new row in the machine_amc_agency table with data as entered by the user
- Read
  Returns a Stream over all the rows in the machine_amc_agency
- Update
  Updates an existing row in machine_amc_agency table in the database from the given entity based on primary key- "amc_agency_id"
- Delete
  Removes the row from machine_amc_agency table in the database that has the same amc_agency_id as the given entity

When user clicks on the "AMC Agency Master" option under the "Master" Menu option of Maintenance, all the AMC Agencies along with some attributes will be shown here.

Fig: AMC Agency Master option under Master Menu option

Machine Amc Agency							+ Add new record
Agency Name	Address	Country	Telephone	Phone	Fax	Email	
A V Industries	18/2, Punjab Bagh Extn., New Delhi - 110026	India	011 25927421, 25927021		011 25927181	avindustries@hotmail.com	
ABL MACHINE	NAGPUR	India					
Accurate Gauging & Instruments Pvt Ltd.	Gauge House, 67, Hadapsar Industrial Estate, Pune-411013	India	020-26870158		020-26870858	accurate@vsl.com	

Here, you can add a new AMC Agency record by clicking toolbar option 'Add new record', can edit already available AMC Agency record by clicking edit button, or delete existing record by clicking delete button.

Add New Record:

A new record is created by clicking toolbar icon 'Add New Record'.

Functionalities:

✓ **List of AMC Agencies**: An AMC Agency's List table with the following properties is displayed:

- Agency Name
  Name of the AMC Agency

- Address
  Address of AMC Agency

- Country
  Country to which AMC Agency belongs

- Telephone
  Telephone Number of associated AMC Agency

- Phone
  Phone Number of associated AMC Agency

- Fax
  Fax associated with AMC Agency

- Email
  Email ID of associated AMC Agency

✓ **Add New Record**: There are various fields:

- ID
- Agency Name
- Address
- Country
- Telephone
- Phone No.
- Fax
- Email

Note: Editing and deleting of existing data can be done on the screen.

ADDING NEW RECORD

When you click on Save button, data as entered by the user will be saved on the screen and in the database, one row will be added with the same data.

EDITING ALREADY EXISTING RECORD

When you want to add some new information to the existing data or want to update already entered data, you click on the edit button on the screen.

DELETE DATA

When you want to delete some data, you click on the delete button on the screen. Data deleted from the Screen will be deleted from database as well.

Machine FIR Master

FIR stands for First Information Report. It is a document prepared by organizations when they receive information about the failure of any machine.

Machine FIR Master is the master screen of all the failure description along with failure codes which are associated with the machines. This functionality is used to perform the CRUD operations over the machine_failure_master table. It is the record of all failure descriptions.

The term CRUD is short for Create, Read, Update and Delete-

- Create
  Creates a new row in the machine_failure_master table with data as entered by the user
- Read
  Returns a Stream over all the rows in the machine_failure_master
- Update
  Updates an existing row in machine_failure_master table in the database
- Delete
  Removes the row from machine_failure_master table in the database

When user clicks on the "Add Machine FIR Description" option under the "Master" Menu option of Maintenance, all the failure description along with failure code will be shown here.

Fig: Add Machine FIR Description option under Master Menu option

FIR Code And Description

SNo	FIR Description		
1	JIB ADJUSTED / PROBLEM	✎	🗑
2	PIN BROKEN/BEND/DAMAGED.	✎	🗑
3	FLUX CYCLON	✎	🗑
4	A T C PROBLEM.	✎	🗑
5	SHUTTER NOT OPEN / SHUTTER PROBLOM.	✎	🗑
6	BOLT/SCREW/NUT/LOOSE,BROKEN & DAMAGED.	✎	🗑
7	TABLE PROBLEM.	✎	🗑
8	TABLE PROBLEM.	✎	🗑
9	FINGER,SHEET CLAMPING FINGER DEFECTIVE/BROKEN & MISALIGNMENT.	✎	🗑
10	COUPLER HEAD REPLACED.	✎	🗑

Machine FIR Master — + Add new record

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Here, you can add a new FIR description record by clicking toolbar option 'Add new record', can edit already available record by clicking edit button, or delete existing record by clicking delete button.

Add New Record:

A new record is created by clicking toolbar icon 'Add New Record'.

Functionalities:

✓ **List of Failure Descriptions**: A FIR Description List table with the following properties is displayed:

- S No
  A unique identifier assigned incrementally or sequentially to the machines, to uniquely identify them.

- FIR Description
  Description of FIRs corresponding to the particular failure code

✓ **Add New Record**: There are some fields:

- Failure Code
- FIR Description

Note: Editing and deleting of existing data can be done on the screen.

ADDING NEW RECORD

When you click on Save button, data as entered by the user will be saved on the screen and in the database, one row will be added with the same data.

EDITING ALREADY EXISTING RECORD

When you want to add some new information to the existing data or want to update already entered data, you click on the edit button on the screen.

DELETE DATA

When you want to delete some data, you click on the delete button on the screen. Data deleted from the Screen will be deleted from database as well.

SAFETY INSTRUCTION MASTER

Safety Instructions are set of written instructions that identify the health and safety issues that may arise from use of the machinery and equipment or be based on a task or process

Safety Instruction Master is the master screen of all the safety instructions along with safety instruction ID. This functionality is used to perform the CRUD operations over the safety_instruction_master table. It is the record of all safety instructions.

The term CRUD is short for Create, Read, Update and Delete-
- Create

  Creates a new row in the safety_instruction_master table with data as entered by the user
- Read

  Returns a Stream over all the rows in the safety_instruction_master
- Update

  Updates an existing row in safety_instruction_master table in the database
- Delete

  Removes the row from safety_instruction_master table in the database

When user clicks on the "Add Safety Instructions" option under the "Master" Menu option of Maintenance, all the safety instructions will be shown here.

Fig: Add Safety Instructions option under Master Menu option

Here, you can add a new safety instruction record by clicking toolbar option 'Add new record', can edit already available record by clicking edit button, or delete existing record by clicking delete button.

Add New Record:

A new record is created by clicking toolbar icon 'Add New Record'.

Functionalities:

✓ **List of Safety Instructions**: A Safety Instruction List table with the following properties is displayed:

- S No
  A unique identifier assigned incrementally or sequentially to the machines, to uniquely identify them.

- Safety Instruction Description
  Description of safety instructions corresponding to the particular safety instruction ID.

✓ **Add New Record**: There are some fields:

- Safety instruction ID
- Safety instruction description

Note: Editing and deleting of existing data can be done on the screen.

ADDING NEW RECORD

When you click on Save button, data as entered by the user will be saved on the screen and in the database, one row will be added with the same data.
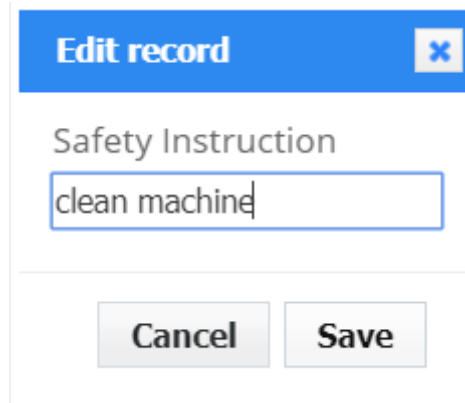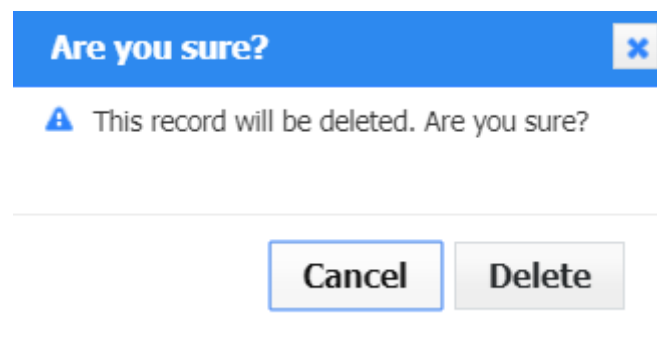
EDITING ALREADY EXISTING RECORD

When you want to add some new information to the existing data or want to update already entered data, you click on the edit button on the screen.

DELETE DATA

When you want to delete some data, you click on the delete button on the screen. Data deleted from the Screen will be deleted from database as well.

SPARE
MASTER

Safety Instructions are set of written instructions that identify the health and safety issues that may arise from use of the machinery and equipment or be based on a task or process

Safety Instruction Master is the master screen of all the safety instructions along with safety instruction ID. This functionality is used to perform the CRUD operations over the safety_instruction_master table. It is the record of all safety instructions.

The term CRUD is short for Create, Read, Update and Delete-

- Create
  Creates a new row in the safety_instruction_master table with data as entered by the user
- Read
  Returns a Stream over all the rows in the safety_instruction_master
- Update
  Updates an existing row in safety_instruction_master table in the database
- Delete
  Removes the row from safety_instruction_master table in the database

When user clicks on the "Add Safety Instructions" option under the "Master" Menu option of Maintenance, all the safety instructions will be shown here.

Fig: Add Safety Instructions option under Master Menu option

Safety Instruction Master

SNo	Safety Instruction		
1	clean machine		
2	washing		
3	open pannel		

Here, you can add a new safety instruction record by clicking toolbar option 'Add new record', can edit already available record by clicking edit button, or delete existing record by clicking delete button.

Add New Record:

A new record is created by clicking toolbar icon 'Add New Record'.

Functionalities:

✓**List of Safety Instructions**: A Safety Instruction List table with the following properties is displayed:

- S No
  A unique identifier assigned incrementally or sequentially to the machines, to uniquely identify them.

- Safety Instruction Description
  Description of safety instructions corresponding to the particular safety instruction ID.

✓**Add New Record**: There are some fields:

- Safety instruction ID
- Safety instruction description

Note: Editing and deleting of existing data can be done on the screen.

ADDING NEW RECORD

When you click on Save button, data as entered by the user will be saved on the screen and in the database, one row will be added with the same data.
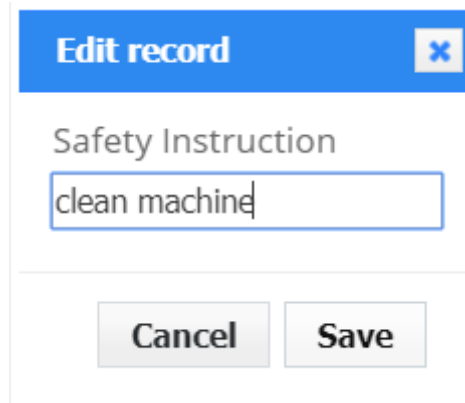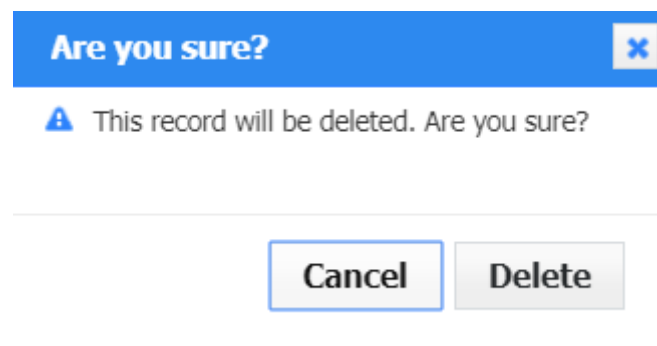
EDITING ALREADY EXISTING RECORD

When you want to add some new information to the existing data or want to update already entered data, you click on the edit button on the screen.

DELETE DATA

When you want to delete some data, you click on the delete button on the screen. Data deleted from the Screen will be deleted from database as well.