

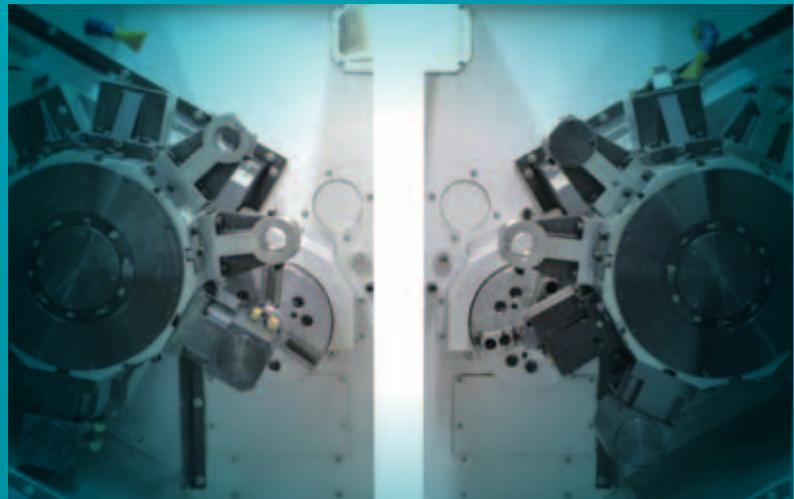
TAKISAWA TWIN CHUCKER

TT-Series

Parallel Twin-Spindle CNC Lathe

10in/8in

TT-2600

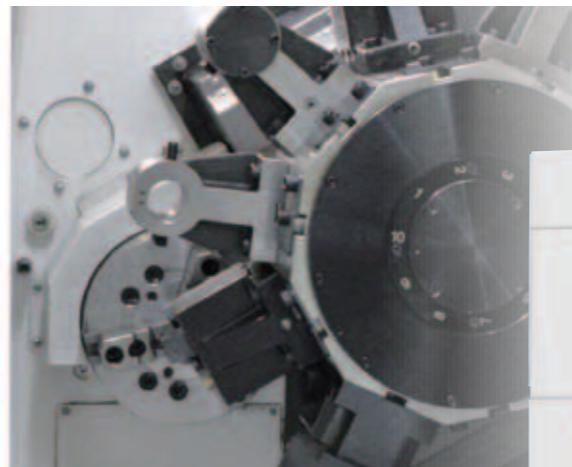
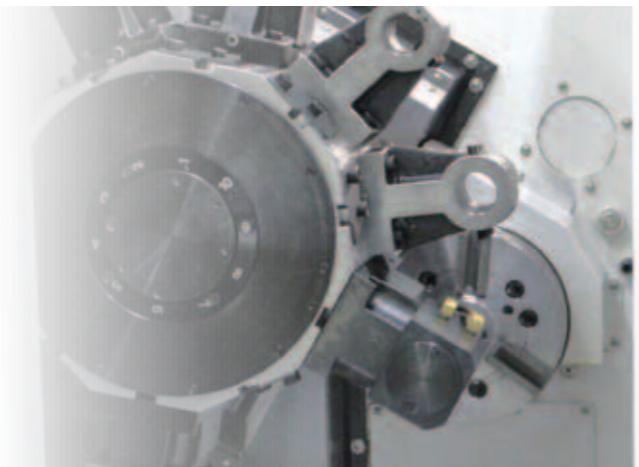


**TT-2600G TT-2600CMG
T-2600G T-2600CMG**

TAKISAWA®

TT-2600

**High-Accuracy Mass Production
Machine for Various Workpieces!**



Takisawa twin-chucker **TT-2600** is a parallel 2-spindle CNC lathe for high-accuracy mass production machine for various 10"/8" chuck workpieces, which has the best machine rigidity in this class.



Environment
Friendly

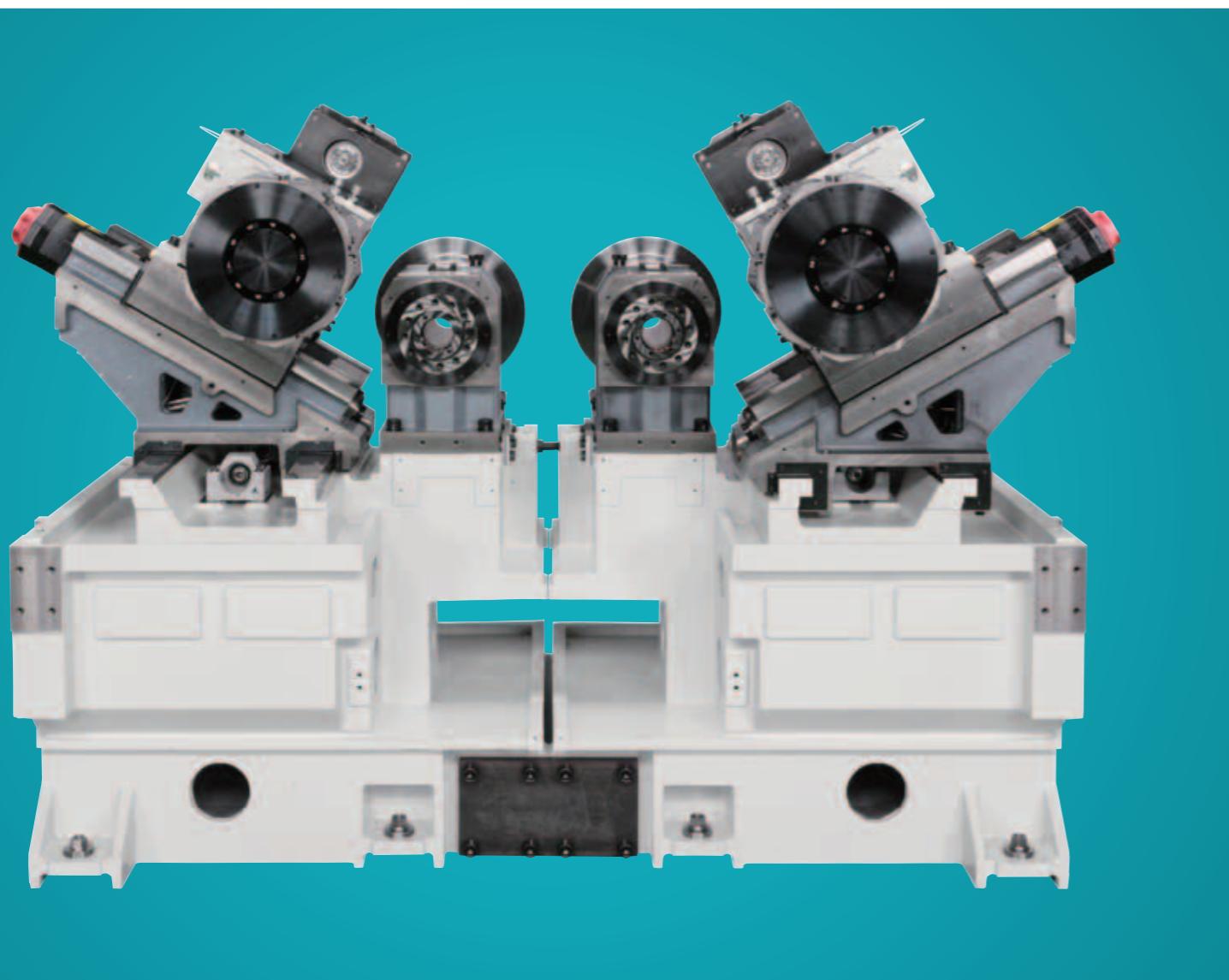
- Regenerative energy system – the energy generated when the motor decelerates returns to the power supply – is applied.
Internal lighting shutoff function reduces standby power.
Control panel cooling design takes natural radiation amount into account to reduce electric power.
Coolant pump runs only when coolant is being used, reducing electric power.
• Use of oil-water separator extends the coolant life.
• 40% reduction of lubricant consumption amount compared with those of conventional machines.
• The powder coating machine for environmental concern.



*Photo includes options.

High-Rigidity & Reliability

Twin Chuckers



	Standard Type	CM Type	10" Chuck Type	8" Chuck Type
Processing Classification	Turning	Turning & Milling	Chuck Size	10"+10" 8"+8"
Turret	T10	T10M	Bearing Inside Diameter	φ110 φ100

Spindle Speed (Std.) 3200min⁻¹ 4000min⁻¹



"Spindle"

Structure of spindle deals with heavy duty cutting and thermal deformation. 8" or 10" chuck is available.

"High-Speed Gantry Loader"

The standard high-speed 3-axis gantry loader ensures high-speed transportation of various heavy workpieces.

Shortening "Non-Operating Time"

The software aimed for convenience and operability slashes non-cutting time like a setup time.

Expansions and Automations

Capable of automation through the turn-key system, inserting pre/post operations such as phasing or measuring and building multi-machine connecting.

Securing Machine Rigidity

Different from conventional parallel 2-spindle machines, sufficient rigidity as same as standard 2-axis NC lathe is secured by holding down the amount of turret overhang. Hardened and ground square slideways excellent for high-durability are employed.

"High Accuracy" and "Heavy Cutting Capability"

Structure of the slideway disposed right under the turret realizes high-accuracy heavy-cutting capability.

"Powerful Turret"

The turret for turning and milling is arranged near the machining point of the slideway, capable of heavy cutting without a problem. Turning type and Turning/Milling type are available.



Spindle Stock

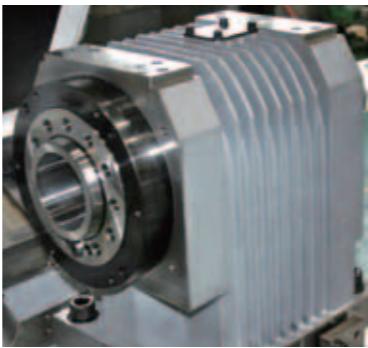
In order to cope with heavy cutting and thermal displacement, a low center of gravity structure is applied. Spindle core is placed at a low position from the floor and mounting base.

10" Chuck Type

- Bearing Inside Diameter : $\phi 110$
- Spindle Nose (Nominal Code) : JIS A2-6

8" Chuck Type

- Bearing Inside Diameter : $\phi 100$
- Spindle Nose (Nominal Code) : JIS A2-6



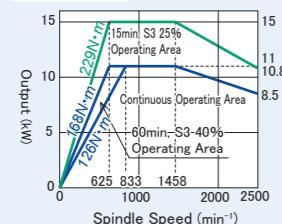
Spindle Motor

High-performance spindle motor is employed for powerful cutting for 10"/8" chuck workpieces.

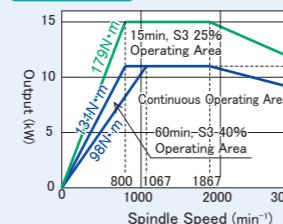
10" Chuck Type

15/11kW FANUC : β i12

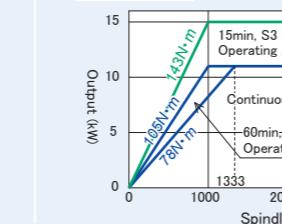
2500min⁻¹



3200min⁻¹ Standard

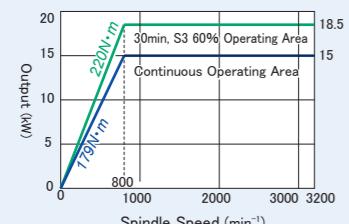


4000min⁻¹



18.5/15kW FANUC : α i15

3200min⁻¹



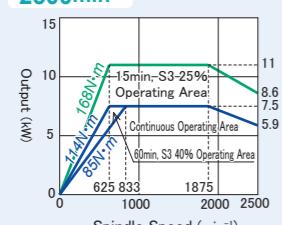
4000min⁻¹



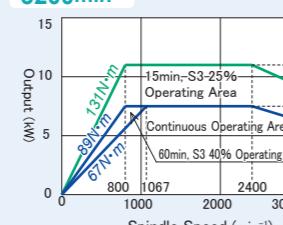
8" Chuck Type

11/7.5kW FANUC : β i8

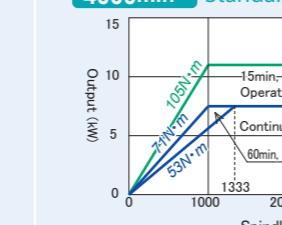
2500min⁻¹



3200min⁻¹

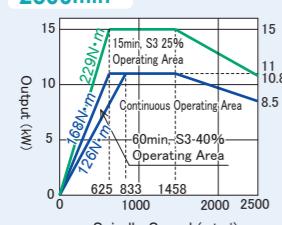


4000min⁻¹ Standard

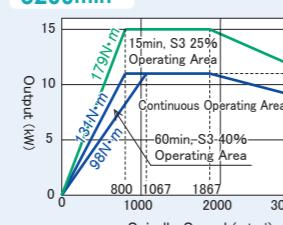


15/11kW FANUC : β i12

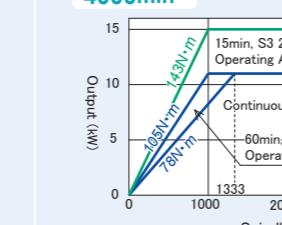
2500min⁻¹



3200min⁻¹



4000min⁻¹

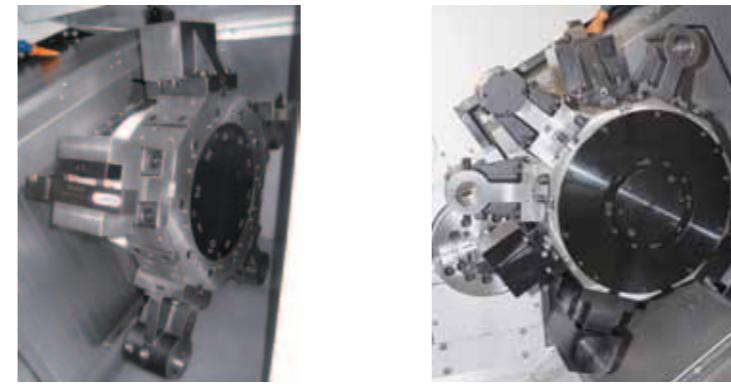


Turret

The stable structure of the turret whose center of gravity is fixed in the X-axis slideway ensures high-accuracy heavy cutting. The decagonal turning (T10) and milling (T10M) turrets ensure optimal machining. Bolt-clamping type tool holder ensures powerful tool holding.

10-Station Turret : T10 (Standard)

- Turning Tool : □25mm
- Boring Bar : $\phi 40$ mm



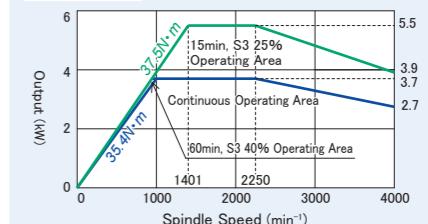
Rotary Tool Type 10-Station Turret : T10M (Optional, CM Type)

The 10-station milling turret equips a 4000-min⁻¹ rotary tool spindle motor of 5.5-kW short-time rating output, optimal for mass production including a milling process.

Milling Type

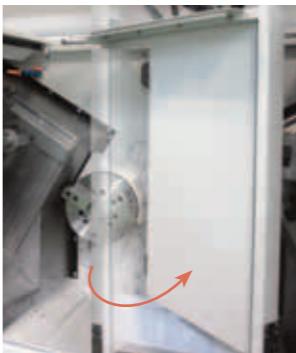
5.5/3.7kW FANUC : β i3

4000min⁻¹



Central Partition Cover

The removable chip cover can turn left/right when working around the chuck or turret.



Oil Pan

The standard rotary storage gutter ensures safe replenishment of cutting oil during automatic operation.



Gantry Loader System

The machine's center of gravity is thoroughly lowered and the loader axis is improved to move faster and quieter to realize optimum cycle time. By adopting a acrylic window for the work feeder, visibility is improved.

Loader Cycle Time **31.5** sec

(10"Chuck Type, A Type Gantry)

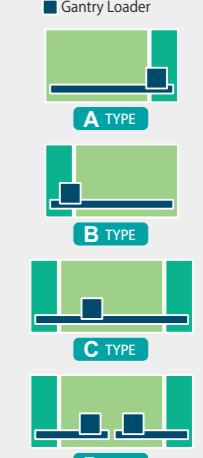
Loader Specifications (A Type)

Items	10" Chuck Type	8" Chuck Type
Target Workpiece	Outside Diameter $\phi 200$ mm	$\phi 160$ mm
Length	120mm	100mm
Weight	8kg (x2)	4kg (x2)
Travel (Running Speed)	X-Axis (longitudinal) 110m/min Y-Axis (vertical) 125m/min	150m/min 170m/min



Loader Variations

Machine Body
Work Feeder
Gantry Loader



Work Feeder Specifications

Items	10" Chuck Type	8" Chuck Type
Number of Pallets	14	16
Loading Capacity (Per Pallet)	70kg	40kg
Maximum Height	400mm	450mm

Pursuing Operability



• Dedicated Switch

A dedicated switch to call a desired function to the operation panel with one push is provided for smooth work.



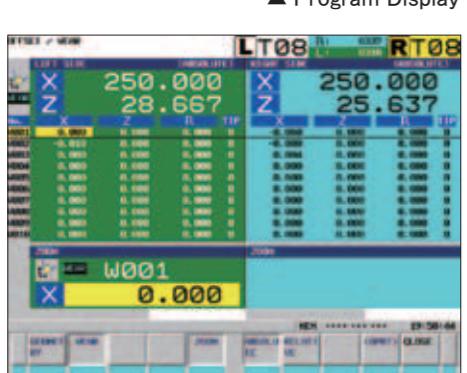
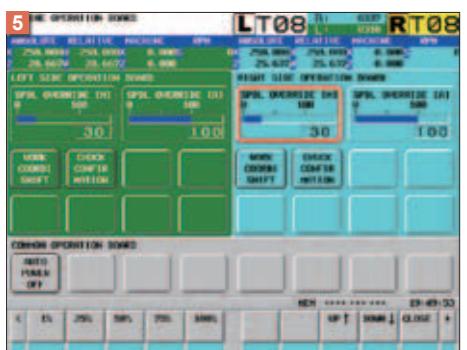
• Program Reset Function

Left/right/loader programs can be reset and rewound.

• Zero Point Return Function

It allows left/right X- and Z-axes zero point return and loader X-, Y-, and Z-axes zero point return.*

*) Subject to some conditions. For details, contact us.



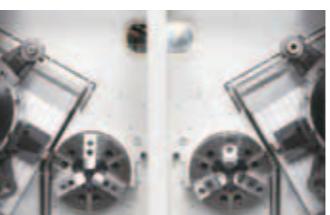
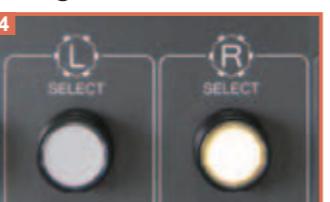
Function to minimize inputting error on right and left.

• Right/Left Selection Button

Operate the machine after selecting right or left with the button. Operation is possible only on the side with the indication lamp turned on. When both of the lamps are turned off, the machine cannot be operated.

Operation on Right Side ▶

The information on the right side is displayed on the screen and you can operate the right side.



Link of Panel Light ▶

The light on the operation side is turned on.

• Machine Operation Panel Screen

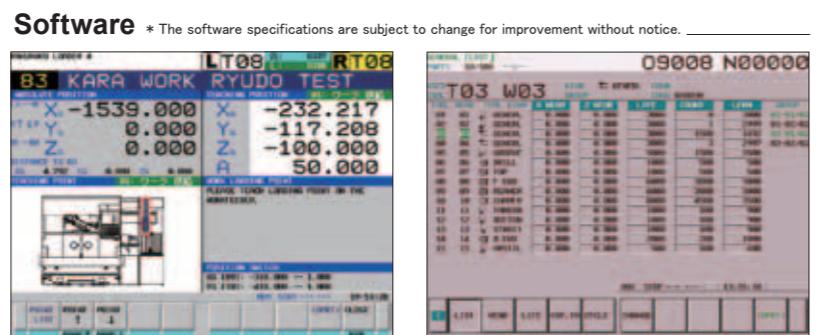
The machine operation panel is displayed on the screen. Buttons can be added and displayed/undisplayed easily.

• Information Display Window

"Right/left selection, indexed turret number of right/left machine, and number of workpieces on right/left" can be checked on the upper right of the screen.

• Information on Right and Left is Displayed Simultaneously (Specific Screen)

On the tool offset screen and the workpiece shift screens, inputting errors are avoided by the color coding of right/left, the zoom function and simultaneous display.



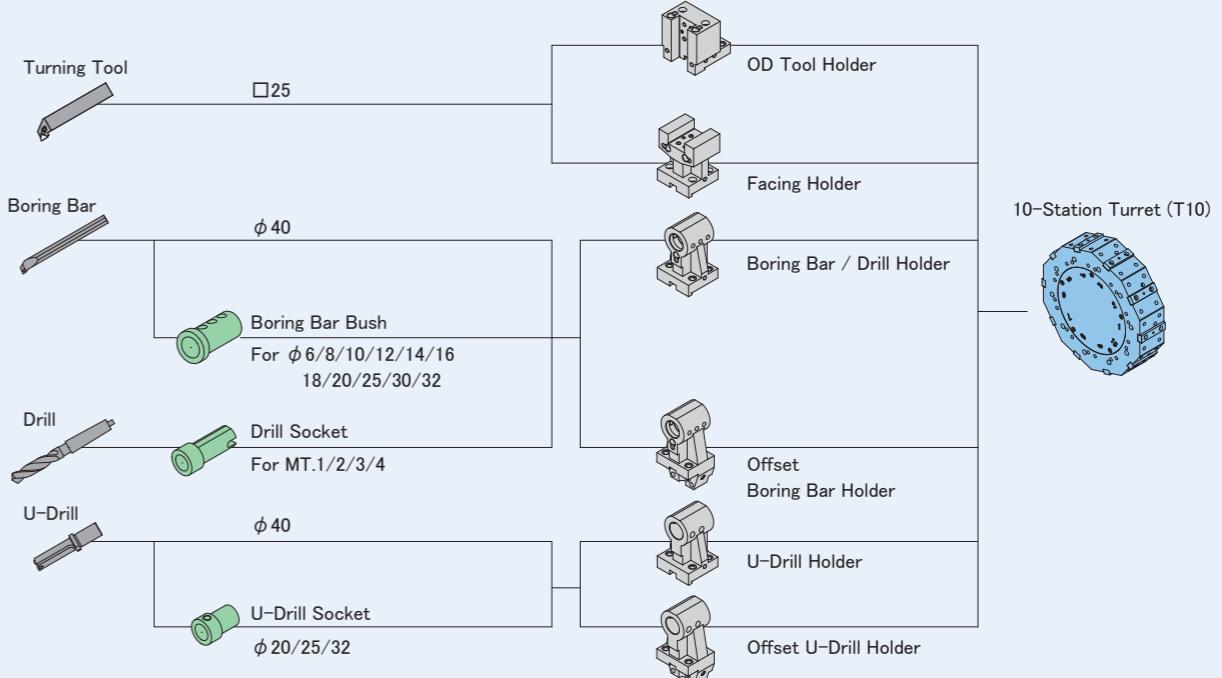
▲ Program Display

▲ RAKU-RAKU Monitor 3

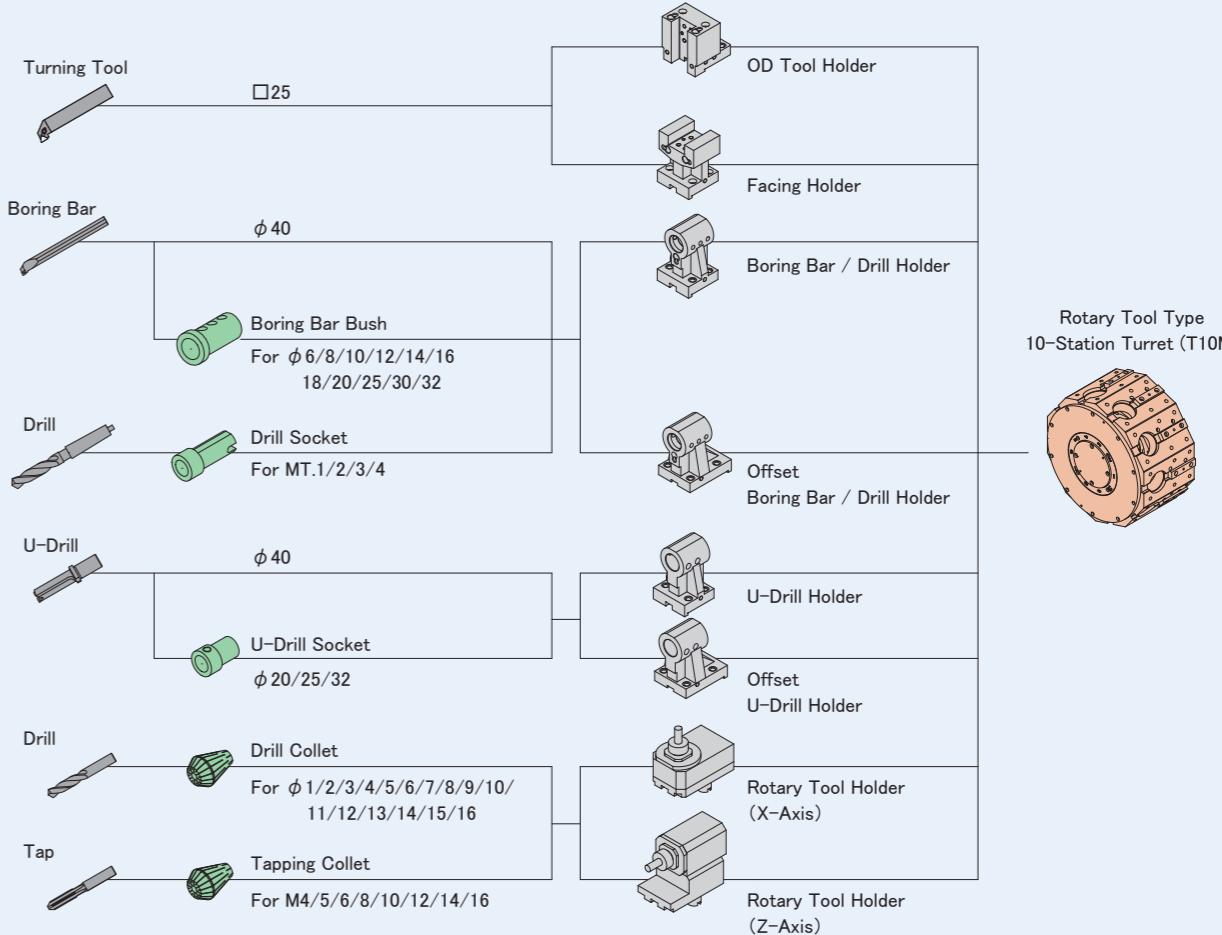
▲ Tool Offset Display

■ Tooling System

Turning Type TT-2600G/T-2600G



Turning / Milling Type TT-2600CMG/T-2600CMG



■ Travel Range and Interference

Unit : mm inch

Turning Type **TT-2600G** Ranges depends on chuck type.

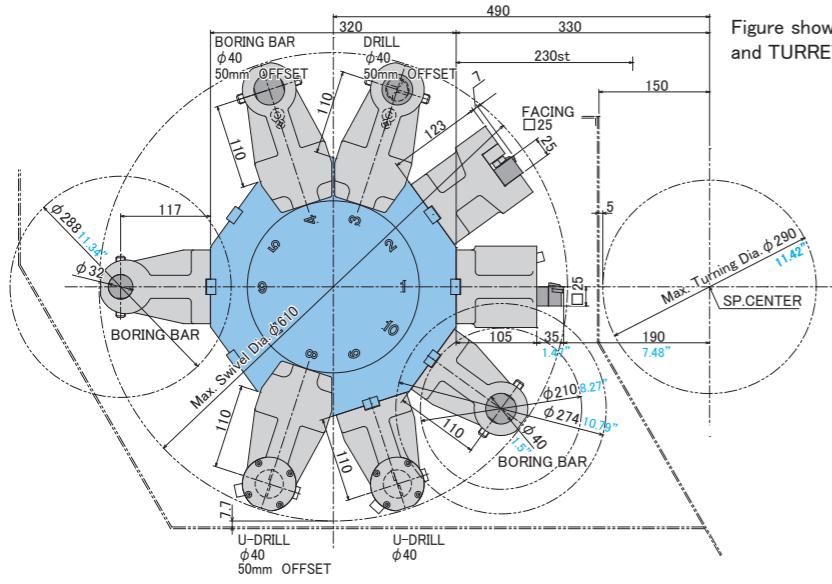
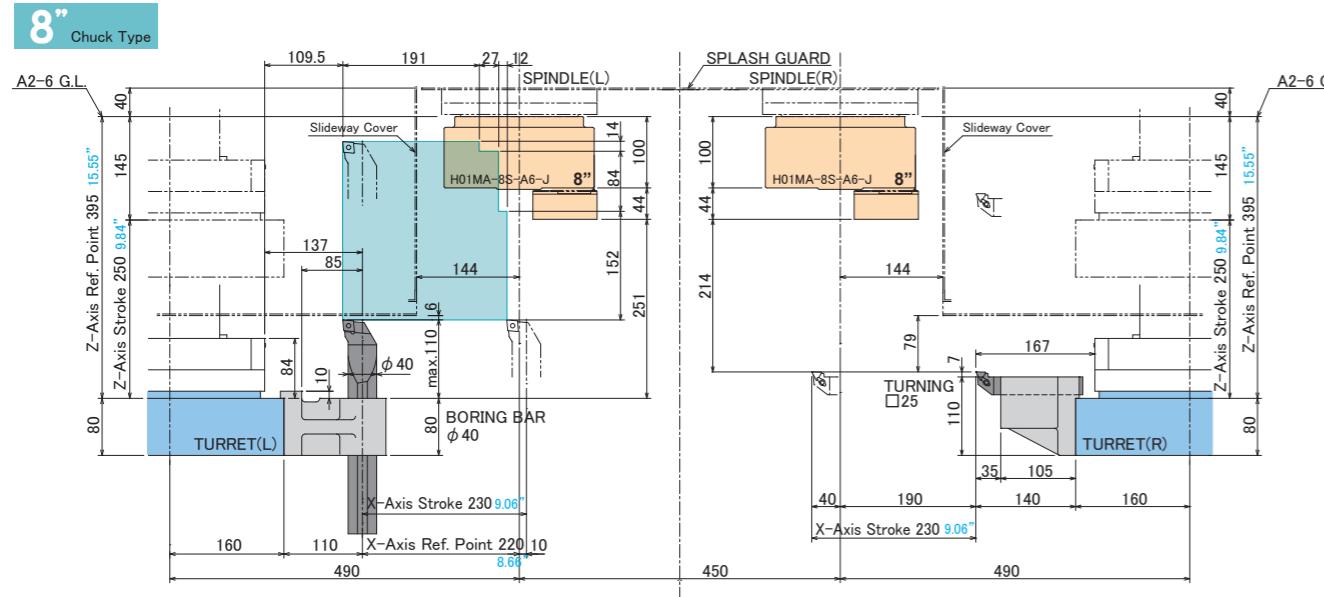
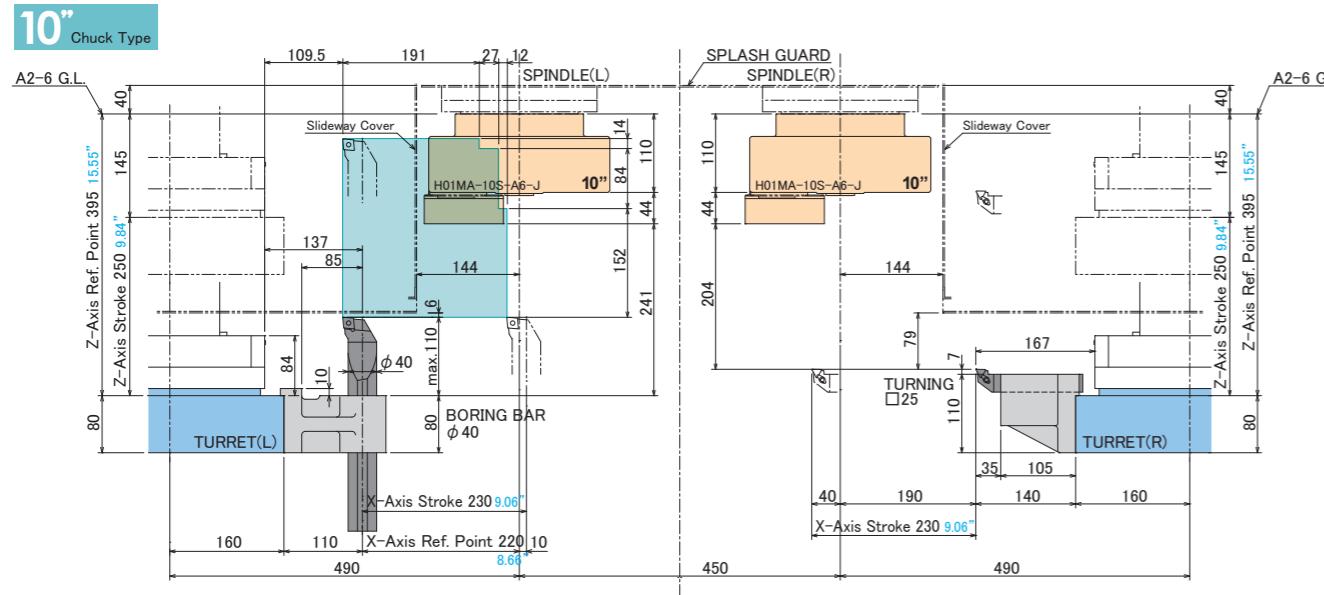


Figure shows TURRET (L),
and TURRET (R) is mirror-image component.

Turning / Milling Type **TT-2600CMG** Ranges depends on chuck type.

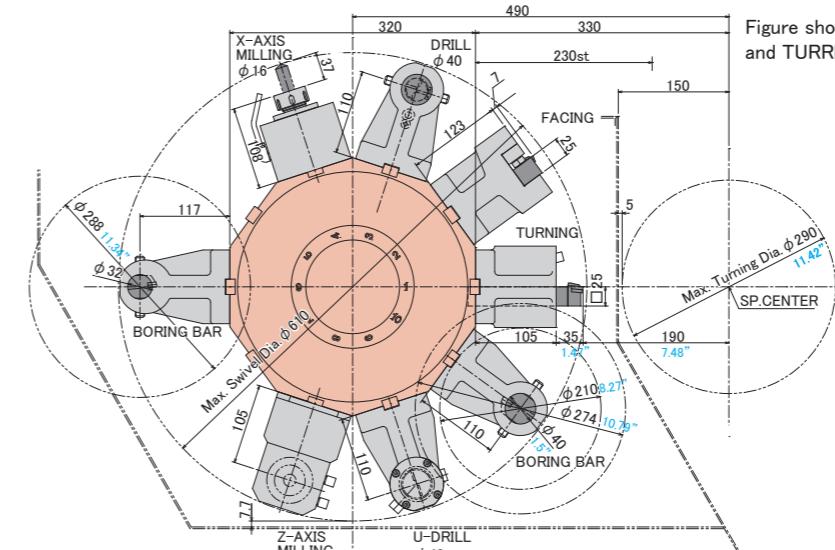
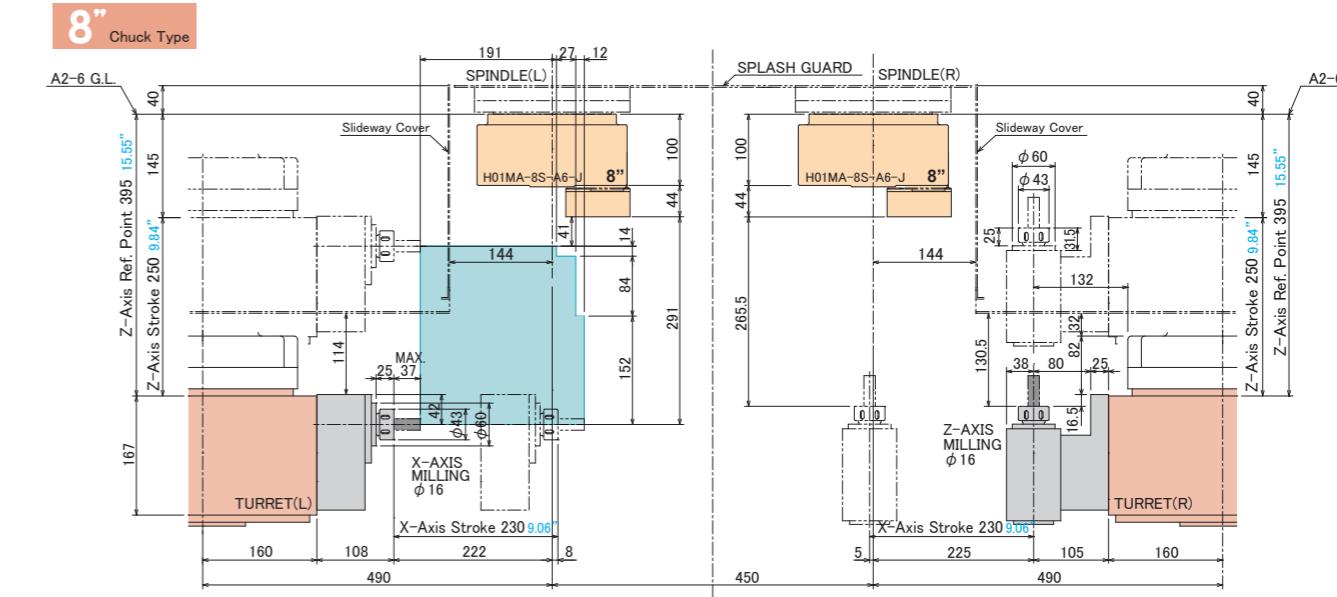
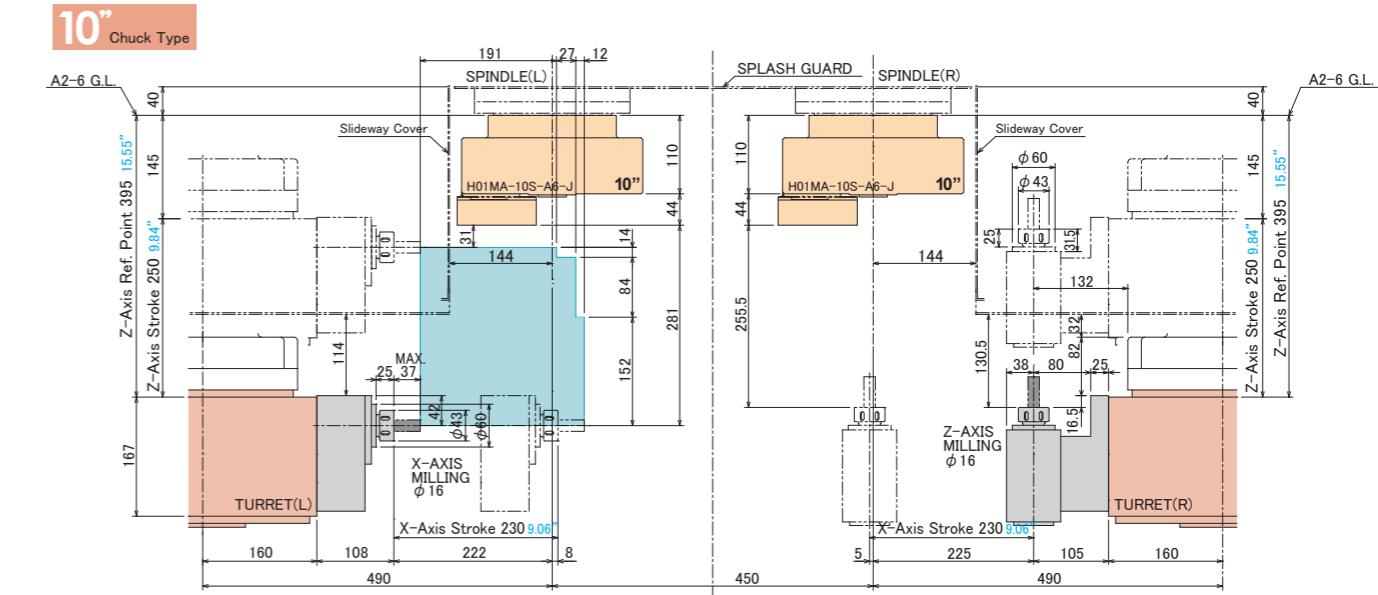
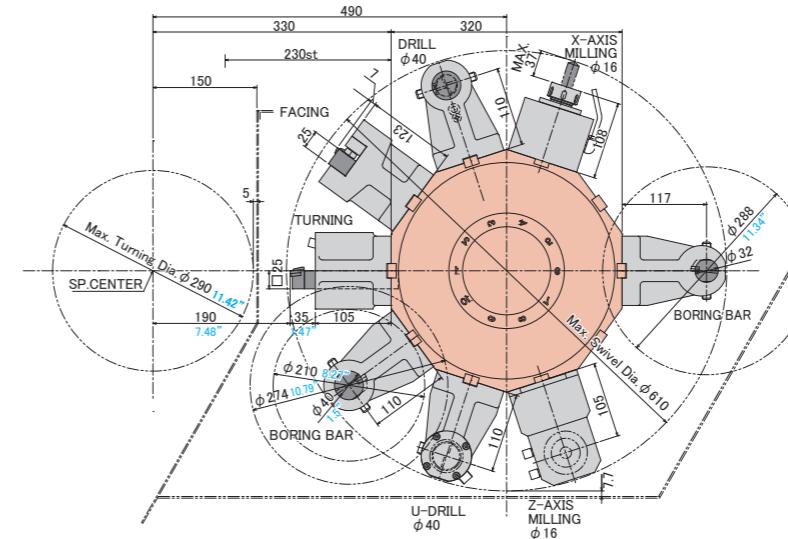
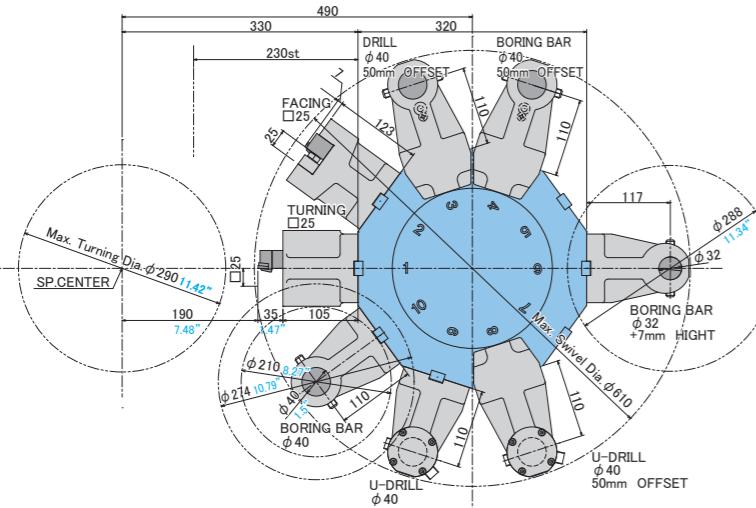
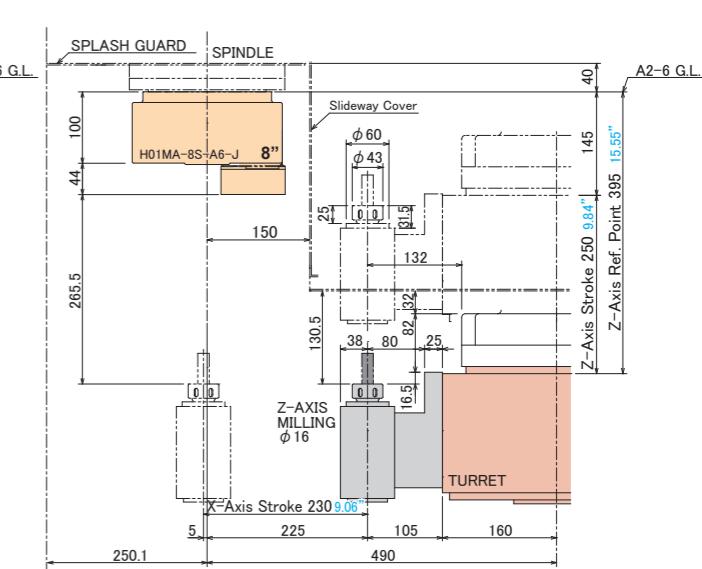
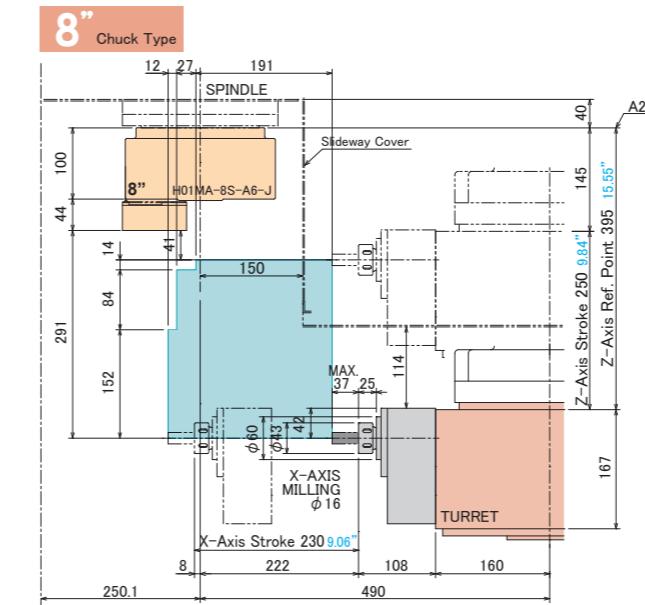
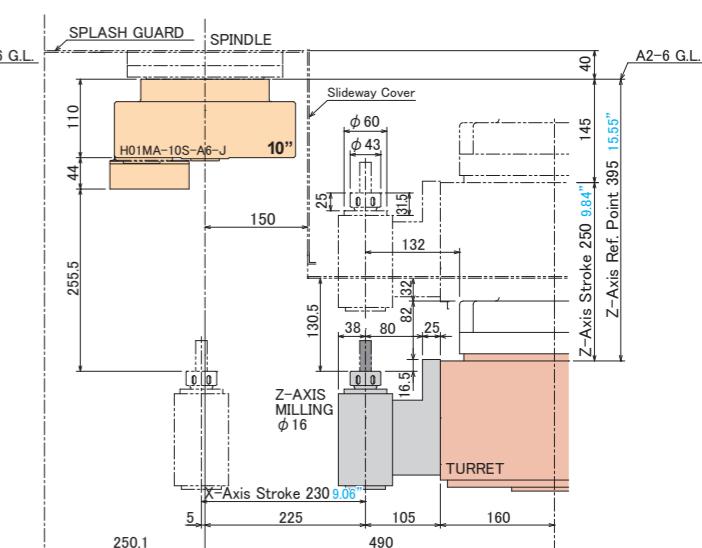
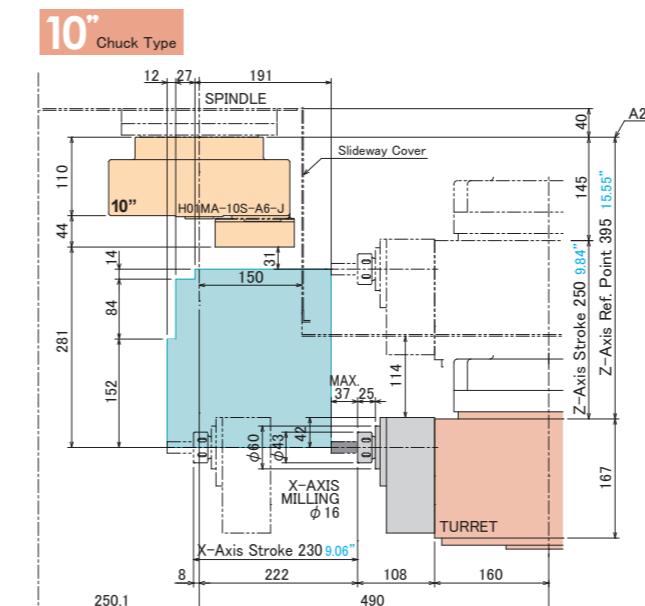
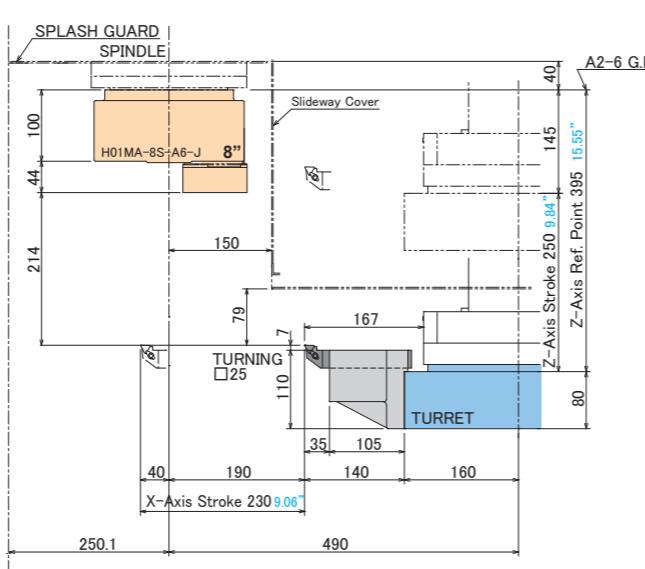
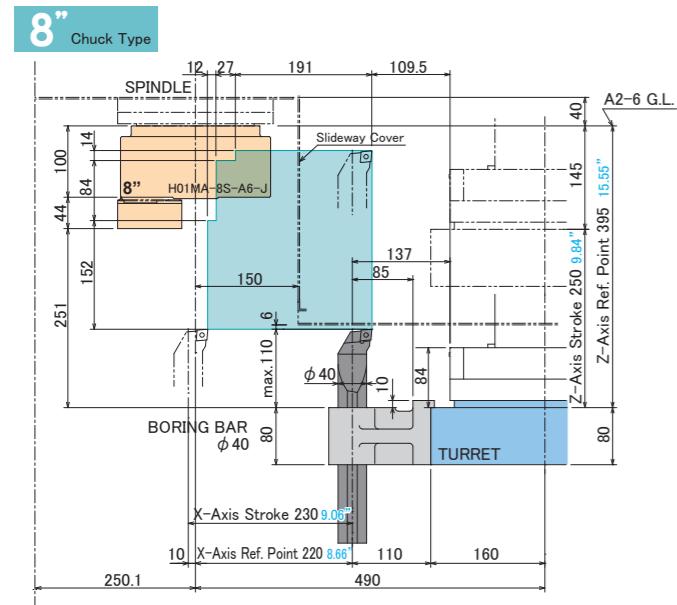
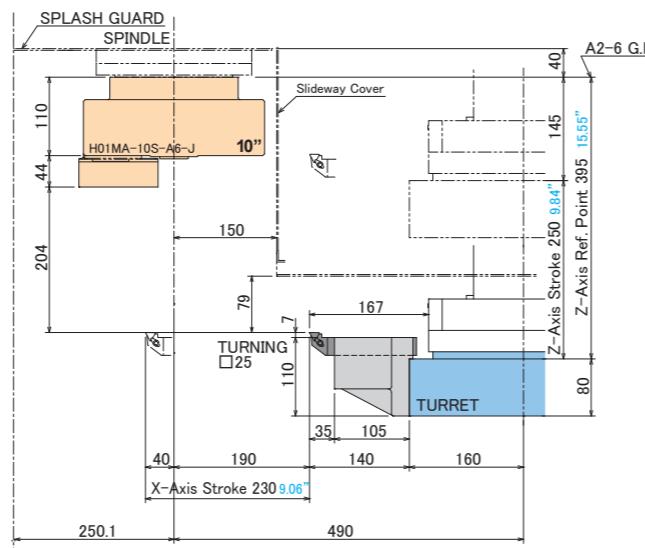
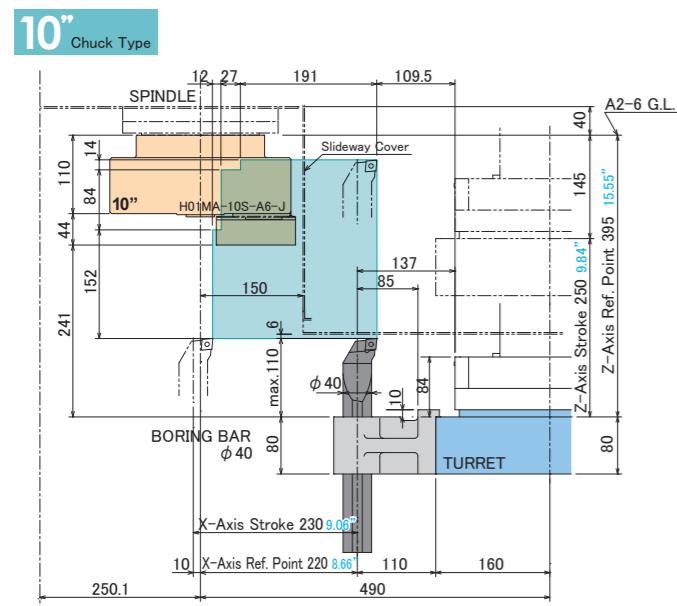


Figure shows TURRET (L),
and TURRET (R) is mirror-image component.

■ Travel Range and Interference

Unit : mm inch

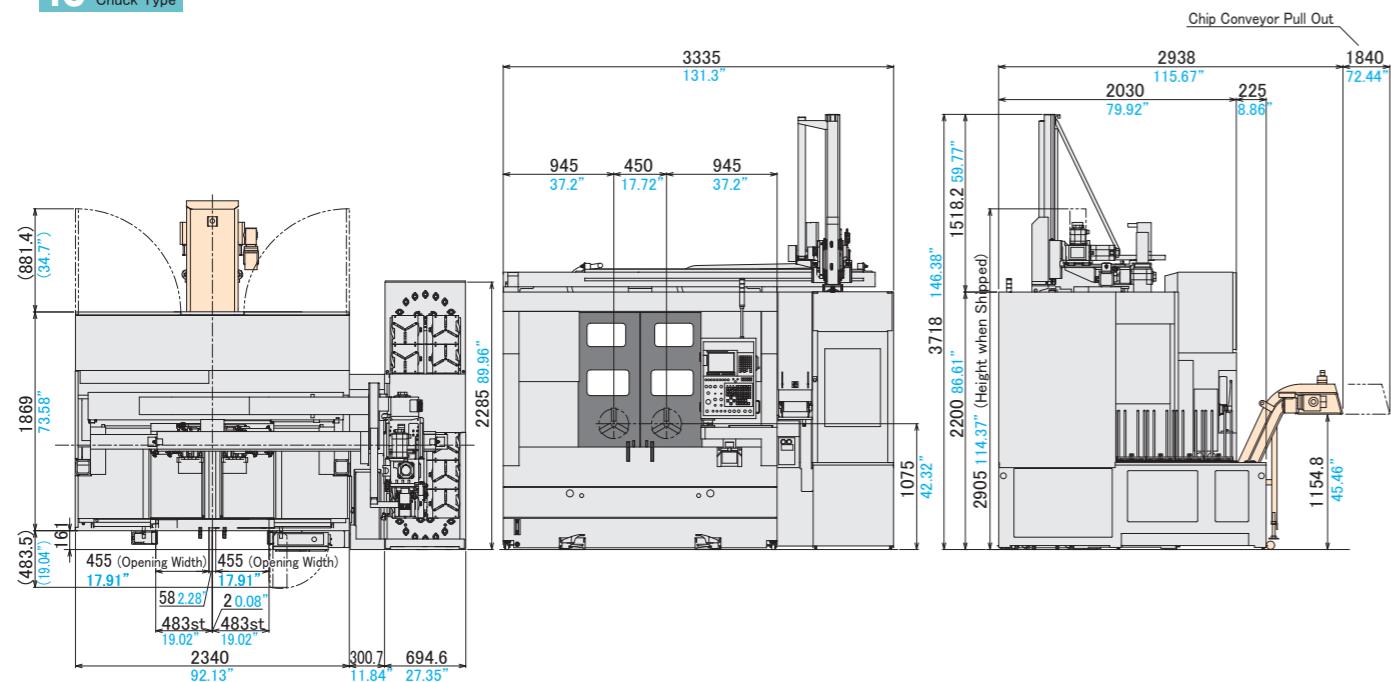
Turning Type **T-2600G** Ranges depends on chuck type.



■ Machine Dimensions Unit : mm inch

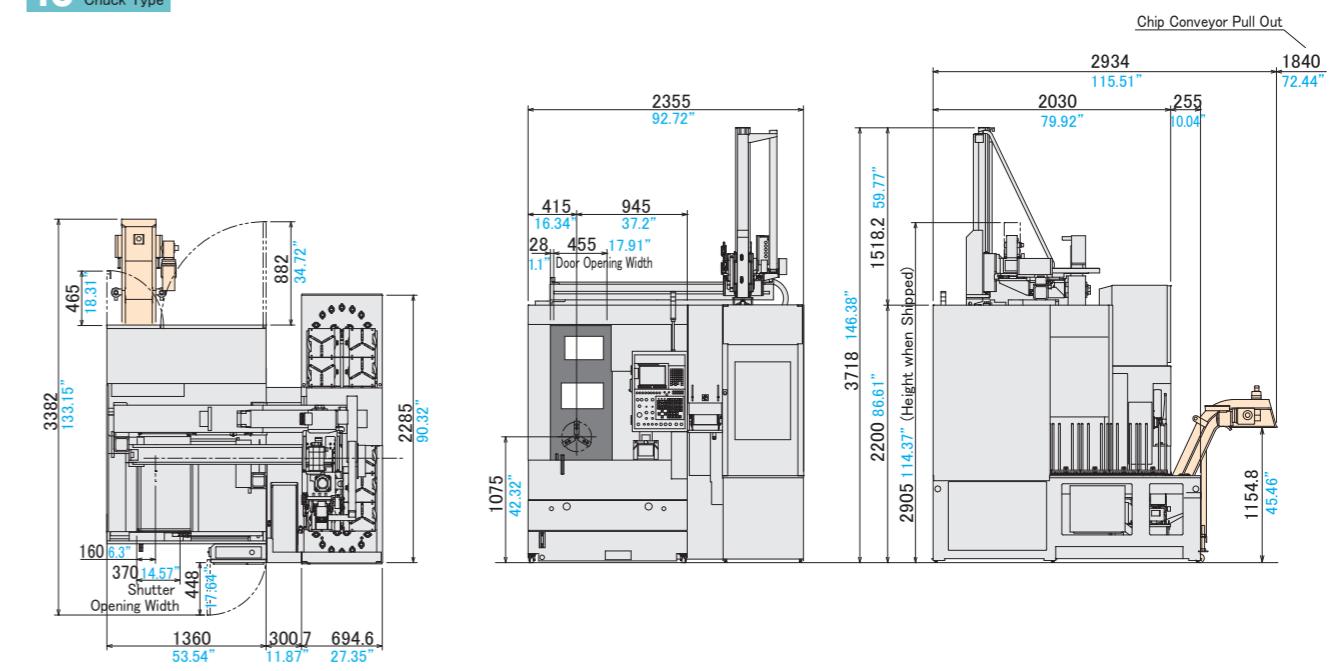
TT-2600G / TT-2600CMG

10" Chuck Type



T-2600G / T-2600CMG

10" Chuck Type



■ Machine Specifications (with A or B Type Loader)

Items	2-Turrets, 2-Spindles Type				1-Turret, 1-Spindle Type			
	8"+8"		10"+10"		8"		10"	
	TT-2600G	TT-2600CMG	TT-2600G	TT-2600CMG	T-2600G	T-2600CMG	T-2600G	T-2600CMG
Capability	Distance Between Spindles	mm inch	450	17.72"				-
	Maximum Turning Diameter	mm inch	290	11.42"			290	11.42"
	Maximum Turning Length	mm inch	214	8.43"	204	8.03"	214	8.43"
Travel	X-Axis Travel	mm inch	230	9.06"			230	9.06"
	Z-Axis Travel	mm inch	250	9.84"			250	9.84"
Spindle	Number of Spindles		2		1			
	Spindle Speed	min ⁻¹	4000	3200	2500	3200	4000	2500
	Minimum Index Angle (Cs-Axis)	deg	-	0.001	-	0.001	-	0.001
	Spindle Nose (Nominal Code)		JIS A2-6			JIS A2-6		
	Through-Hole Diameter	mm inch	63	2.48"	73	2.87"	63	2.48"
Turret	Bearing Inside Diameter	mm inch	100	3.94"	110	4.33"	100	3.94"
	Number of Turrets		2		1			
	Type of Turret		10-Station All-Holder Type			10-Station All-Holder Type		
	Number of Attachable Tools		10+10		10			
	Height of Square Tool Shank	mm inch	25	1"			25	1"
Rotary Tool	Diameter of Boring Bar Shank	mm inch	40	1.5"			40	1.5"
	Number of Rotary Tools		-	10 5	-	10 5	-	10 5
	Spindle Speed	min ⁻¹	-	4000	-	4000	-	4000
	Maximum Tool Shank Diameter	mm inch	-	16 0.63"	-	16 0.63"	-	16 0.63"
	Tool Spindle Taper Hole (Type, Nominal Code)		-	AR25	-	AR25	-	AR25
Feedrate	Tool Spindle Bearing ID	mm inch	-	35 1.38"	-	35 1.38"	-	35 1.38"
	Rapid Traverse Rate	m/min ipm	X:24 / Z:24 X:944.88" / Z:944.88"		X:24 / Z:24 X:944.88" / Z:944.88"			
	Jog Feedrate	mm/min ipm	X, Z:0 ~ 1260 X, Z:0 ~ 49.61"		X, Z:0 ~ 1260 X, Z:0 ~ 49.61"			
	Main Spindle Motor	kW HP	11/7.5 14.7/10 (15 min/cont.)	15/11 20/14.7 (15 min/cont.)	11/7.5 14.7/10 (15 min/cont.)	15/11 20/14.7 (15 min/cont.)	18.5/15 24.7/20 (30 min/cont.)	15/11 20/14.7 (15 min/cont.)
Motor	Rotary Tool Spindle Motor (10 min/continuous)	kW HP	-	5.5/5.5/3.7 7.3/7.3/4.9	-	5.5/5.5/3.7 7.3/7.3/4.9	-	5.5/5.5/3.7 7.3/7.3/4.9
	Feed Axis Motor	kW HP	X:1.4 / Z:2.5 X:1.9 / Z:1.9		X:1.4 / Z:2.5 X:1.9 / Z:1.9			
	Hydraulic Pump Motor	kW HP	1.5 × 2 Motors 2 × 2 Motors		1.5 2			
	Coolant Pump Motor	kW HP	0.25 × 2 Motors 0.3 × 2 Motors		0.25 0.3			
	Required Power	kVA	37 46	46 55	22 26	26 30		
Tank Capacity	Air Pressure Source	Mpa , NL	0.4		0.4			
	Hydraulic Unit Tank	L gal	20 (x2) 5.28 (x2)		20 5.28			
	Lubricant Tank	L gal	4 1.06		4 1.06			
Machine Size	Coolant Tank	L gal	240 63.36		120 31.68			
	Machine Height	mm inch	3629 142.87" 2983 117.44" *1	3718 146.38" 3180 125.20" *1	3629 142.87" 2983 117.44" *1	3718 146.38" 3180 125.20" *1		
	Floor to Spindle Center Height	mm inch	1075 42.32"		1075 42.32"			
	Required Floor Space	mm×mm inch×inch	3150 × 2938 124.02" × 115.67"		3335 × 2938 131.30" × 115.67"			
	Machine Weight	kg lbs.	6300 13860		6400 14080			
Red is Optional.								

【Loader Specifications (A or B Type)】

Target Workpiece	8"+8"		10"+10"		8"		10"	
	TT-2600G	TT-2600CMG	TT-2600G	TT-2600CMG	T-2600G	T-2600CMG	T-2600G	T-2600CMG
Outside Diameter	mm inch	160 6.30"		200 7.87"	160 6.30"		200 7.87"	
Length	mm inch	100 3.94"		120 4.72"	100 3.94"		120 4.72"	
Weight	kg lbs.	4 (x2) 8.8 (x2)		8 (x2) 17.8 (x2)	4 8.8		8 17.8	
X-Axis (longitudinal) (m/min ipm)	mm inch	1755 69.09" (150 5905.51")		1880 74.02" (110 4330.01")	1310 51.57" (150 5905.51")		1435 56.50" (110 4330.01")	
Y-Axis (vertical) (m/min ipm)	mm inch	975 38.39" (170 6692.91")		1055 41.54" (125 4921.26")	975 38.39" (170 6692.91")		1055 41.54" (125 4921.26")	
Z-Axis (cross) (m/min ipm)	mm inch	212 8.35" (50 1968.50")		260 10.24" (35 1377.95")	212 8.35" (50 1968.50")		260 10.24" (35 1377.95")	
Type		3-Jaws		3-Jaws	3-Jaws		3-Jaws	
Stroke	mm inch	φ32 1.26"		φ48 1.98"	φ32 1.26"		φ48 1.98"	

【Work Feeder Specifications】

Number of Pallets (3 Guide Bars/Pallet)		16	14	16	14
Loading Capacity (Per Pallet)	kg lbs.	40 88	70 154	40 88	70 154
Maximum Height	mm inch	450 17.72"	400 15.75"	450 17.72"	400 15.75"

■ Machine Standard Accessories (with A or B Type Loader)

	TT-2600G	T-2600G
Solid Chuck and Cylinder	● (L/R Each 1)	●
Chuck Auto Open/Close M-Function	● (L/R Each 1)	●
Chuck Airblow (Outside Spindle)	● (L/R Each 1)	●
Signal Tower Light (3-Color)	●	●
Chip Conveyor (Caterpillar Type/Rear Discharge)	●	●
Tool Holder *2	● (L/R Each 5)	● (5)
Auto Power-Off System	●	●
Total Counter (Display)	●	●
Gantry Loader	●	●
Work Feeder	●	●
Turnover Unit	●	-
Quality Chute	●	●
Splashguard	●	●
Hydraulic Unit (1.5kW)	● (L/R Each 1)	●
Footswitch for Hydraulic Unit	● (L/R Each 1)	●
Coolant Pump (250W)	● (L/R Each 1)	●
Lighting Apparatus	●	●
Adjustment Tool Set	●	●
Instruction Manual	●	●

() is the number.

■ Machine Optional Accessories

- Rotary Tool Holder (for X-Axis) *3
- Rotary Tool Holder (for Z-Axis) *3
- Collet (for Rotay Tool) *3
- OD Turning and Facing Tool Holder
- Boring Bar / Drill Holder
- Offset Boring Bar / Drill Holder
- U-Drill Holder
- Offset U-Drill Holder
- Boring Bar Bush
- Drill and U-Drill Socket
- Special Chuck
- Spindle Motor
- [For 10" Type]
15/11kW : 2500min⁻¹
15/11kW : 4000min⁻¹
18.5/15kW

TT-2600G / T-2600G

NC Unit Specifications

FANUC : Oi-TF

* Please contact our sales persons
for further information.



Software

* The software specifications are subject to change for improvement without notice.

RAKU-RAKU Loader 4

Standard Accessory

The loader operation settings can be changed simply by the operation from the dedicated screen without modifying the program.

RAKU-RAKU Monitor 3

Standard Accessory

Easy and convenient multi-functional softwares which can perform tool life management, cutting load monitoring, group control, and also run information collection, Cp (process capability) calculation, and periodic offset addition.

Measurement Monitor 3

Optional Accessory

This function loads the measured data from a measuring unit and sets automatically the offset value. Also, various convenient functions such as graphical display, Cp (process capability) calculation, and data input/output are included.

Composition

Specifications · Contents	TT-2600G	T-2600G
	TT-2600CMG	T-2600CMG

Loader Type A, B, C, D A, B, C

【NC Unit】

Screen (10.4" Color LCD/MDI (Horizontal, Small Type))	●	●
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【Software】

RAKU-RAKU Loader 4	●	●
RAKU-RAKU Monitor 3	●	●
Measurement Monitor 3 *1	○	○

【Safety Devices】

Front Door Interlock	●	●
Front Door Locking Mechanism	○	○
Safety Relay	●	●
Control Panel Breaker with Tripper	●	●

Main Function List

Specifications · Contents	TT-2600G T-2600
【Controlled Axes】	
Least Input Increment *2	
Max. Programmable Dimension (± 999999.999)	●
Cs Contouring Control	CM
Increment System C *3	▲
Inch/Metric Conversion	●
Interlock	●
Machine Lock *4	○
Emergency Stop	●
Stored Stroke Check 1	●
Stored Stroke Check 2, 3 *5	▲
Stored Limit Check Before Move	▲
Chuck and Tail Stock Barrier *6	▲
Mirror Image (Each Axis)	▲
Chamfering ON/OFF	●
Unexpected Disturbance Torque Detection Function *7	●
Position Switch	●
【Operation】	
Automatic Operation (Memory)	●
MDI Operation	●
DNC Operation *8 *9	○
DNC Operation with Memory Card *9 *10	○
Program Number Search	●
Sequence Number Search	●
Sequence Number Comparison and Stop	●
Program Restart	○
Tool Retract and Recover	▲
Wrong Operation Prevention	▲
Buffer Register	●
Dry Run	●
Single Block	●
Manual Continuous Feed (JOG)	●
Manual Reference Position Return	●
Reference Position Setting without DOG	●
Manual Handle Feed, 1 Unit	●
【Interpolation Functions】	
Positioning (G00)	●
Exact Stop Mode (G61)	●
Tapping Mode (G63)	●
Cutting Mode (G64)	●
Exact Stop (G09)	●
Linear Interpolation (G01)	●
Circular Interpolation (G02/03)	●
Dwell (G04)	●
Polar Coordinate Interpolation	CM
Cylindrical Interpolation	CM
Thread Cutting, Synchronous Cutting	●
Multi Threading	●
Thread Cutting Retract	●
Continuous Threading	●
Variable Lead Thread Cutting	●
Skip (G31)	○
Reference Position Return (G28)	●
Reference Position return Check (G27)	●
2nd Reference Position Return (G30)	●
3rd, 4th Reference Position Return	○
【Feed Functions】	
Rapid Traverse Override (F0,25%,50%,100%)	●
Feed Per Minute	●
Feed Per Revolution	●
Constant Tangential Speed Control	●
Cutting Feedrate Clamp	●
Automatic Acceleration/Deceleration	●
Rapid Traverse Bell-Shaped Acceleration/Deceleration	●
Linear Acceleration/Deceleration After Cutting Feed	●
Interpolation	●
Feedrate Override (15 Steps)	●
Jog Override (15 Steps)	●
Override Cancel	●
Manual per Revolution Feed	▲

Specifications · Contents	TT-2600G T-2600
【Program Input】	
Program Code (EIA/ISO Auto Recognition)	
Label Skip	●
Parity Check	●
Control In/Out	●
Optional Block Skip, 1 Piece	●
Optional Block Skip (2 to 9 Pieces)	○
Program Number 04 Digits	●
Program File Name 32 Characters	●
Sequence Number N8 Digits	●
Absolute/Incremental Programming	●
Decimal Point Programming/Pocket Calculator Type	●
Decimal Point Programming	●
Diameter/Radius Programming (X-Axis)	●
Plane Selection G17,G18,G19	CM
Coordinate System Setting (G50)	●
Automatic Coordinate System Setting *11	●
Workpiece Coordinate System (G54-G59) *12	▲
Direct Drawing Dimension Programming *13	▲
G-Code System A	●
G-Code System B/C	▲
Chamfering/Corner R *14	●
Programmable Data Input (G10)	●
Sub Program Call (10 Levels)	●
Custom Macro	●
Additional Custom Macro Common Variables	●
Canned Cycle	●
Multiple Repetitive Cycles	●
Multiple Repetitive Cycles II	●
Canned Cycle for Drilling	●
Circular Interpolation by R Programming	●
Coordinate System Shift	●
Direct Input of Coordinate System Shift	●
【Auxiliary / Spindle Speed Function】	
M Function (M3 Digits)	●
2nd Auxiliary Function (B Function)	●
Multiple Command of Auxiliary Function (3 Pieces)	●
Spindle Speed Function (S-Function)	●
Constant Surface Speed Control	●
Spindle Override	●
Spindle Orientation	●
Rigid Tap (Spindle Center)	●
Rigid Tap (Rotary Tool)	CM
【Tool Functions / Tool Compensation】	
Tool Function (T2+2 Digits)	●
Tool Offset Pairs 128-pairs (L/R Each 64-pairs)	●
Tool Offset Pairs 200-pairs (L/R Each 99-pairs)	○
Tool Offset	●
Tool Radius • Tool Nose Radius Compensation	●
Tool Geometry/Wear Compensation	●
Tool Offset Value Counter Input	●
Direct Input of Tool Offset Value Measured	●
Direct Input of Tool Offset Value Measured B *15	○
Tool Life Management *16	●
【Accuracy Offset Functions】	
Backlash Compensation	▲
Backlash Compensation for Each Rapid Traverse and Cutting Feed	▲
【Feed Functions】	
Rapid Traverse Override (F0,25%,50%,100%)	●
Feed Per Minute	●
Feed Per Revolution	●
Constant Tangential Speed Control	●
Cutting Feedrate Clamp	●
Automatic Acceleration/Deceleration	●
Rapid Traverse Bell-Shaped Acceleration/Deceleration	●
Linear Acceleration/Deceleration After Cutting Feed	●
Interpolation	●
Feedrate Override (15 Steps)	●
Jog Override (15 Steps)	●
Override Cancel	●
Manual per Revolution Feed	▲
【Editing】	
Part Program Storage Size 512Kbyte	T-2600
Part Program Storage Size 1Mbyte *17	TT-2600
Part Program Storage Size 2Mbyte *17	○
Number of Registerable Programs, 400 Programs *18	T-2600
Number of Registerable Programs, 800 Programs *18	TT-2600
Number of Registerable Programs, 1000 Programs *18	○
Part Program Editing	●
Extended Part Program Editing	●
Program Protect	●
Playback	○
Machining Time Stamp	○
Background Editing	●
Multi Part Program Editing	●

Specifications · Contents	TT-2600G T-2600
【Setting / Display】	
Status Display	
Clock Function	●
Current Position Display	●
Program Comment Display (31 Characters)	●
Parameter Setting and Display	●
Alarm Display	●
Alarm Log Display	●
Operation History Display	▲
Run Hours and Parts Count Display	●
Actual Cutting Feedrate Display	●
Display of Spindle Speed and T Code at All Screens	●
Servo Setting Screen	●
Maintenance Information Screen	●
Data Protection Key, 1 Kind	●
Erase CRT Screen Display	●
Parameter Set Supporting Screen	●
Help Function	●
Self-diagnosis Function	●
Periodic Maintenance Screen	●
【Multi-language Display】	
English *19	●
Other Language *19 *20	▲
Dynamic Display Language Switching	▲
【Data I/O】	
RS-232C Interface for 1ch	○
Data Server Function *21	○
External Workpiece Number Search	○
Memory Card I/O	●
USB Memory I/O	●
One Touch Macro Call	○
Automatic Data Backup	●
【Communication Function】	
Embedded Ethernet	●
Fast Ethernet	○
【Other】	
Touch Panel	○
●: Standard ○: Optional ○: Special —: None ▲: Parameter setting is required.	
(Note: Normally, the parameters need not to be changed. If the parameters are to be set or changed, understand completely the functions of such parameters. Wrong setting could cause the machine to be moved unexpectedly, resulting in machine or workpiece damage or personal injury.)	
CM : C-Axis/Milling standard specification. T-2600 : TT-2600 standard specification. TT-2600 : TT-2600 standard specification.	
*1) I/O addition and the PC change are necessary.	
*2) 0.001mm, 0.0001inch, 0.001deg	
*3) IS-C 0.0001mm, 0.0001deg, 0.00001inch.	
*4) Addition of switch is required.	
*5) Not coexistent with chuck tailstock barrier.	
*6) Not coexistent with Stored Stroke Check 2, 3.	
*7) Required when RAKU-RAKU Monitor 3 is used.	
*8) RS-232C Interface is required.	
*9) DNC run mode transfer switch is required.	
*10) CF card and adaptor is required.	
*11) Not coexistent with Workpiece Coordinate System (G54-G59).	
*12) Not coexistent with Automatic Coordinate System Setting.	
*13) Not coexistent with chamfering/corner R.	
*14) Not coexistent with direct drawing dimension programming.	
*15) Tool setter is required.	
*16) Cannot be used when RAKU-RAKU loader 4 is installed.	
*17) In the case of loader specification, about [262K-byte 655m] is used for program store capacity by RAKU-RAKU loader 4 software.	
*18) In the case of loader specification, the 180 program number is used by RAKU-RAKU loader 4 software.	
*19) Cannot be simultaneously displayed with other languages.	

TT-2600G

TAKISAWA®

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Japanese laws prohibit this machine from being used to develop or manufacture "weapons of mass destruction" or "conventional arms", as well as from being used to process parts for them.

Export of the product may require the permission of governmental authorities of the country from where the product is exported.

Should you wish to resell, transfer or export the product, please notify Takisawa Machine Tool Co., Ltd. or our distributor in advance.

*The appearance, specifications, and relevant software of the product are subject to change for improvement without notice.

*Please make an inquiry to our sales representatives for details of the product.



ISO 9001 Certified
JQA-2010
(Head Office)



ISO 14001
12ER-865
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■ Overseas Network

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