

TAKISAWA®

6-inch 2-turret 2-spindle Multi-tasking Machine

TM-2000Y2

A compact 6-inch chuck size "TM-2000Y2" has been added to the Multi-tasking machine "TM series".

NEW



※ The photo includes options.

Great for improving productivity Full-scale bar machining Multi-tasking machine

Increased Labor Productivity

Usability is improved by designing with consideration for operator workability and safety.

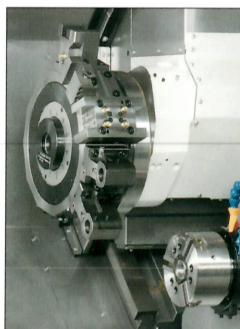
It has become possible to reduce downtime such as setup time.

- + Improved workability with large opening door and good accessibility to the spindle.
- + Improved workability with new operation functions in manual or automatic operation

Increased time productivity

By shortening the cycle time, the noncutting time has been shortened.

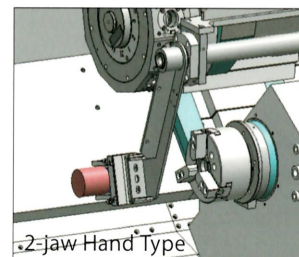
- + High-speed spindle acceleration / deceleration, High-speed rapid feed
- + Shortening of cycle time by non-lift turret and non-stop turning



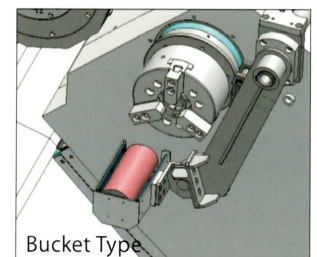
Increased area productivity

Despite its compact size, it has an extra machining area such as $\phi 51$ mm of bar work capacity and 90 mm (± 45 mm) of long stroke Y-axis.

By installing automation options such as work unloader, automation is possible without adding floor space.



2-jaw Hand Type



Bucket Type

Work Unloader max. Target Workpiece

Weight : 3kg

Size : $\phi 65$ mm \times 150mm

Machine Specifications

Items		TM-2000Y2	
Machine Composition	Upper Turret Y-Axis (Y1-Axis)		●
	Lower Turret Y-Axis (Y2-Axis)		●
	Right Spindle		●
Capability · Capacity	Max. Turning Diameter	mm inch	215 8.46"
	Max. Turning Length	mm inch	640 25.2"
	Bar Capacity	mm inch	51 2.01" *1
Travel	Upper Turret (X1/Y1/Z1)	mm inch	190/90 (± 45) /660 7.48"/3.54"/25.98"
	Lower Turret (X2/Y2/Z2)	mm inch	160/90 (± 45) /660 6.30"/3.54"/25.98"
	A-Axis Travel (Right Spindle)	mm inch	660 25.98"
Spindle (Left Spindle / Right Spindle)	Spindle Speed	min ⁻¹	5000/6000
	Type of Spindle Nose		A2-5/A2-5
	Through-Hole Diameter	mm inch	63/53 2.48"/2.09"
	Inner Diameter of Bearing	mm inch	100/90 3.94"/3.54"
Turret (Upper, Lower)	Type of Turret		Bolt Tightening Type
	Number of Attachable Tools		12
	Height of Square Tool Shank	mm inch	25 1"
	Diameter of Boring Bar Shank	mm inch	32 1.25"
Rotary Tool (Upper, Lower)	Number of Rotary Tools		12
	Spindle Speed	min ⁻¹	6000
	Maximum Tool Shank Diameter	mm inch	16 0.6"
	Tool Spindle Taper Hole		AR25
Feedrate	Upper Turret (X1/Y1/Z1)	m/min ipm	20/12/40 787.40"/472.44"/1574.80"
	Lower Turret (X2/Y2/Z2)	m/min ipm	20/12/40 787.40"/472.44"/1574.80"
	Right Spindle (A)	m/min ipm	40 1574.80"
Motors	Left Spindle (S3 25%/continuous)	kW HP	15/11 20/14.7
	Right Spindle (S3 25%/continuous)	kW HP	11/7.5 14.7/10
	Rotary Tool Motor (S3 25%/continuous)	kW HP	5.5/3.7 7.3/4.9
	Feed Axis (X1/Y1/Z1)	kW HP	2.5/2.5/3.0 3.3/3.3/4.0
	Feed Axis (X2/Y2/Z2)	kW HP	2.5/1.2/3.0 3.3/1.6/4.0
	Feed Axis (A)	kW HP	2.5 3.3
	Hydraulic Pump Motor	kW HP	1.5 2.0
	Coolant Pump Motor	kW HP	0.4 × 3 0.5 × 3
Required Power	Electric Power	kVA	35
Tank Capacity	Coolant Tank	L gal	450 118.8
	Machine Height	mm inch	2230 87.80"
Machine Size	Height form Floor to Spindle Centerline	mm inch	1200 47.24"
	Depth form Front to Spindle Centerline	mm inch	750 29.53"
	Required Floor Space *2	mm × mm inch × inch	4254 × 2460 167.48" × 96.85"
	Machine Weight	kg lbs.	8300 18260

Machine Standard Accessories *3

Chuck Open/Close Footswitch
 Chuck Plate
 Hydraulic Cylinder
 Left Spindle : SS1452K (Kitgawa)
 Right Spindle : SIN-S100 (SMW)
 Chuck Auto Open/Close M-Function
 Spindle Air Purge
 Spindle Above Coolant
 Rotary Tool Type 12-Station Turret (Bolted)
 Double OD Tool Holder : 2 Pieces×2
 Boring Bar / Drill Holder : 4 Pieces×2
 Turret Cover : 6 Pieces×2
 Chip Conveyor : CE, Side Discharge
 Air Pressure Unit
 Air Pressure Switch
 Hydraulic Unit
 Hydraulic Pressure Switch
 Auto Lubricant Unit
 Oil-Water Separator
 Lubricant Collection Box
 Coolant Unit 400W : 3 Unit
 Lighting Apparatus LED
 Level Plate Turret Mount
 Auto Power-Off System
 Control Panel Breaker with Tripper
 Instruction Manual

*1) Please note the bar capacity follows types of chucks and cylinders.

*2) With oil pan, chip conveyor and operation panel.

*3) For other optional accessories, please contact us. A variety of optional accessories are available for respective models.

TAKISAWA®

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*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.

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.



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