

TAKISAWA

Multitasking Machine with B-axis

TMX-4000IIST

NEW



Multitasking Machine with Powerful Tool Spindle and Highly Accurate Left/Right Spindle

New Operability and New Design!

The TMX-4000IIST incorporates a sharp shape that evokes the future of multitasking machines.

The new operation panel is equipped with a 10.4" monitor that can be swiped for intuitive screen switching.

An automatic operation screen switching function by system and mode changeover prevents accidental operation by displaying the operation screen that meets the need.



Tool Spindle with Milling Capability Comparable to Machining Center

Tool Spindle Motor : **22/15kw** (S3/S6 25%/cont.)

B-Axis Min. Index Angle : **0.0001°**

Larger Machining Area Due to Long Stroke

Max. Turning Length: **1500mm**

Max. Turning Diameter.: Tool Spindle **φ500mm**,
Lower Turret **φ350mm**

Left and Right Spindle are Equipped with a Built-in High-Power/High-Precision Motor
High-precision indexing paired with heavy-duty cutting capability

Inner Diameter of Bearing: **φ140 mm**

C-Axis Positioning Accuracy: **0.0001°**

Machine Specifications

Items				TMX-4000ⅡST	TMX-4000ⅡS	TMX-4000Ⅱ
	Chuck Sizeinch			10+10	10+10	10
Machine Composition	Right Spindle			●	●	—
	TailstockNC Servo			—	—	●
	Lower TurretT12			●	—	—
Capability・Capacity	Max. Turning Diametermm			500	500	500
	Max. Turning Lengthmm			1500	1500	1500
	Bar Capacitymm			φ 80	φ 80	φ 80
Travel	X1/Y/Z1-Axis	Tool Spindle	mm	605/260 (±130)/1500	605/260 (±130)/1500	605/260 (±130)/1500
	X2/Z2-Axis	Lower Turret	mm	225/1500	—	—
	A-Axismm			1600	1600	—
Spindle (left/right)	Drive System			Built-in	Built-in	Built-in
	Speedmin ⁻¹			4000	4000	4000
	Spindle Nose (Nom. Code)			A2-8	A2-8	A2-8
	Through-Hole Diametermm			φ 91	φ 91	φ 91
	Inner Diameter of Bearingmm			φ 140	φ 140	φ 140
Tool Spindle	Type of Turret			Tool Spindle with ATC	Tool Spindle with ATC	Tool Spindle with ATC
	Number of Tools			1	1	1
	Max. Speedmin ⁻¹			12000	12000	12000
	Tool Shank			CAPTO C6 HSK-T63	CAPTO C6 HSK-T63	CAPTO C6 HSK-T63
Lower Turret	Type of Turret			12-Station Turret	—	—
	Number of tools			12	—	—
Tailstock	Tailstock Travelmm			—	—	1300
	Quill Taper			—	—	MT No.5
ATC	Tool Storage Capacity			40 80 120	40 80 120	40 80 120
Feedrate	X1/Y/Z1-Axis	Tool Spindle	m/min	40/40/40	40/40/40	40/40/40
	X2/Z2-Axis	Lower Turret	m/min	20/20	—	—
	A-Axism/min			30	30	30
Motors	Spindle Motor		kW	26/22 (S2 30 min/cont.)	26/22 (S2 30 min/cont.)	26/22 (S2 30 min/cont.)
	Right Spindle Motor		kW	22/15 (S2 15 min/cont.)	22/15 (S2 15 min/cont.)	—
	Tool Spindle Moter	Low		15/11 (S3/S6 25%/cont.)	15/11 (S3/S6 25%/cont.)	15/11 (S3/S6 25%/cont.)
		High		22/15 (S3/S6 25%/cont.)	22/15 (S3/S6 25%/cont.)	22/15 (S3/S6 25%/cont.)
	For Feed Axes	(X1/Y/Z1)	kW	5.5/3/3	5.5/3/3	5.5/3/3
		(X2/Z2)	kW	2.5/2.5	—	—
(A)		kW	2.5	2.5	2.5	
Required Power	Electric Power		kVA	93.2	65.3	61.3
	Air Pressure Source		MPa	0.5	0.5	0.5
Tank Capacity	Hydraulic Unit TankL			20	20	20
	Lubricant TankL			0.7 (Grease)	0.7 (Grease)	0.7 (Grease)
	Coolant TankL			540	540	540
	Spindle Cooling UnitL			70	70	70
Machine Dimensions	Machine Heightmm			3160	3160	3160
	Floor to Spindle Center Heightmm			1340	1340	1340
	Required Floor Space (Width × Depth) *1	40T	mm×mm	6950 × 4478	6950 × 4478	6950 × 4478
		80T	mm×mm	7700 × 4478	7700 × 4478	7700 × 4478
		120T	mm×mm	8450 × 4478	8450 × 4478	8450 × 4478
Machine Weightkg			17000	16300	16400	

Blue is Optional.

*1) It includes Side-Discharge Chip Conveyor, Operation Panel, and ATC Magazine.



TAKISAWA MACHINE TOOL CO., LTD. <https://www.takisawa.co.jp>

983 Natsukawa, Kita-ku, Okayama 701-0164, JAPAN

Telephone : (81)86-293-1500 / Fax : (81)86-293-5799

E-mail : tkj-1@takisawa.co.jp (America) / tkj-2@takisawa.co.jp (Europe) / tkj-3@takisawa.co.jp (Asia)

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.

TMX4000ⅡE2306FG1000A

Overseas Network

THAILAND	Takisawa (Thailand) Co., Ltd. Telephone : (66)2-012-1701-3 Fax : (66)2-012-1705
VIETNAM	Takisawa Machine Tool Vietnam Representative Office Telephone : (84)247-1088-669 Fax : (84)247-1088-669
INDONESIA	PT. Takisawa Indonesia Telephone : (62)21-221-57456 Fax : (62)21-891-18818
INDIA	SAP Takisawa Machine Tools Private Ltd. Telephone : (91)80-26662386 Fax : (91)80-26662392
CHINA	Takisawa (Shanghai) Co., Ltd. Telephone : (86)21-6235-0938 Fax : (86)21-6235-0905
USA	Takisawa, Inc. Telephone : (1)847-419-0046 Fax : (1)847-419-0043
GERMANY	Takisawa Machine Tool Germany Representative Office Telephone : (49)2102-9288477 Fax : (49)2102-9288478