

CNC2-Spindle2-Slide Precision Lathe

XW-130



NEW

**The advent of the long-awaited 2-spindle machine.
“Fastest Loading Time in Its Class”**

Loader cycle that will disprove common knowledge in loading technology

- This new 3-axis loader is even faster with a loading time of 6 sec. This machine is equipped with high speed shutter, reducing shutter open/close time into half (with open/close < 0.5 sec). A minimum 18 sec cycle time (OP 1-2) is achieved with this new loader cycle idea.

Pursuit of both cutting capability and precision.

- The adoption of the box sliding for the slide, ϕ 100mm maximum spindle diameter and 11/7.5kW motor. Installation of the spindle base cooling system for stable machining precision.

Lower center of gravity • Space-saving design.

- A compact 1890mm width machine design ensuring a 150mm X-Axis and 160mm Z-Axis slide stroke with a 1,000mm spindle center height. Easy access to the spindle chuck and work turn device and easy change-over.

Machine Specifications

Item		Unit	XW-130	
Capacity	Max. turning diameter	mm	φ280	
	Max. turning length	mm	155	
	Chuck size	Inch	8×2	
Spindle	Spindle nose	JIS	A2-6	
	Spindle bearing I.D.	mm	φ100	
	Spindle speed	min ⁻¹	Max.4,000	
Tool post	Type		8-station turret ×2	
	Tool shank	mm	□25	
	Boring holder I.D.	mm	φ40	
	Max. stroke	mm	X:150 Z:160	
Motors	Rapid traverse rate	m/min	X:24 Z:24	
	Spindle motor	kW	AC11/7.5 ×2	
	Feed motor	X axis	kW	AC1.2 ×2
		Z axis	kW	AC1.8 ×2
Hydraulic motor	kW	AC0.75 ×2		
Size	Spindle center height	mm	1,000	
	L×W×H	mm	1,890(2,250)×2,140×2,050 (2,925)	
	Machine weight	kg	5,600	
Total electric capacity		KVA	43	

Loader Specifications

Item	Unit	XW-130:1 unit
Work Diameter Handling Capacity	mm	150
Workload Handling Capacity (per side)	kg	3.0
Rapid traverse rate	m/min	X:35 Z:170 Y:125
Loading Time	sec.	6.0* (Depends on spec)

*Not including Shutter operation

Standard Accessories

- Boring holder 4 pcs.
- O.D. holder 4 pcs.
- Hydraulic power chuck 1 set
- Work light 1 set
- Hydraulic chucking cylinder 1 set
- Thread cutting unit 1 set
- Coolant unit 1 set
- Service tool kit 1 set
- Instruction manual 1 set

Optional Accessories

- Tool holders
- Collet chucks
- Rear chip conveyor (Floor type/Spiral type)
- Front air blower
- Rear coolant unit
- Special coolant pump
- Signal light
- Automatic fire extinguisher
- Automatic power shut-off device
- Special color
- Others**

** For more information on attachments, consult our sales representative.

Item	TAKAMAZ&FANUC Oi-TD
Controlled axes	2axes (X, Z) ×2
Simultaneously controllable axes	Simultaneous 2 axes
Least input increment	0.001mm (X in diameter)
Least command increment	X: 0.0005mm Z: 0.001mm
Auxiliary function	M3 digits
Spindle function	S4 digits
Tool function	T4 digits
Tape code	EIA(RS232C)/ISO(840)automatic recognition
Cutting feedrate	1~5,000mm/min
Command system	Incremental/ Absolute
Linear interpolation	G01
Circular interpolation	G02, G03
Cutting feedrate override	0~150%
Rapid traverse override	F0, 100%
Program number	4 digits
Backlash compensation	0~9999μm
Program memory capacity	1Mbyte (2,560m) (Dual systems total)
Tool offsets	128 sets(Dual systems total)
Registered programs	800 pcs.(Dual systems total)
Tool geometry/Wear offset	Standard
Canned cycle	G90, G92, G94
Radius designation on arc	Standard
Tool offset measurement input	Standard
Background editing	Standard
Direct drawing dimension programming	Standard
Custom macro	Standard
Additional custom macro common variables	#100~#199, #500~#999
Pattern data input	Standard
Nose R compensation	G40, G41, G42
Inch/Metric conversion	G20/G21
Programmable data input	G10
Run hour/Parts count display	Standard
Extended part program editing	Standard
Multiple repetitive cycle	G70~G76
Multiple repetitive cycle II	Pocket-shaped
Canned drilling cycle	Standard
Constant surface speed control	G96, G97
Continuous thread cutting	G32
Variable lead thread cutting	G34
Thread cutting retract	Standard
Clock function	Standard
Help function	Standard
Alarm history display	50 pcs.
Self-diagnosis function	Standard
Sub-program call	Up to 10 loops
Decimal point input	Standard
2nd reference point return	G30
Work coordinate system setting	G50, G54~G59
Stored stroke check 1	Standard
Stored stroke check 2,3	Standard
Input/Output interface	USB Flash Memory, Memory card, Ethernet
Alarm message	Standard
Graphic display	Standard
Conversational programming with graphic function	Standard
Abnormal load detection	Standard
Manual handle trace	Standard
Automatic data backup	Max.3
Automatic screen deletion function	Standard
TAKAMAZ option functions	Work/Tool counter, Tool load monitor, Others
TAKAMAZ maintenance function	Standard
FANUC set of manuals	CD-ROM

Optional Controller Specifications

Input/Output interface	RS232C
Tool life management	
Multiple M codes in one block	Max.3
Spindle orientation	Standard
FANUC set of manuals	Bound



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