

Machine Specifications

Item		Unit	#1 Spindle	#2 Spindle
Capacity	Max. turning diameter	mm	φ240	
	Max. hole through spindle	mm	φ51 (φ65)	φ51
	Chuck size	inch	8	
Spindle	Spindle nose	JIS	A2-6 (A2-8)	A2-6
	Spindle bearing I.D.	mm	φ100 (φ120)	φ100
	Spindle speed	min <sup>-1</sup>	Max.4,000	
	Type		12-station (VDI:40)	
Tool post	Tool shank	mm	□25 (VDI:40)	
	Boring holder I.D.	mm	φ40 (VDI:40)	
	Max. stroke	mm	X1,2:170 Y:±40 Z1,2:510 A:570	
	Rapid traverserate	m/min	X1,2:18 Y:12 Z1,2:24 A:30	
Motors	Spindle motor	kW	AC18.5/15	AC11/7.5
	Feed motor	kW	X1:AC2.5 X2:AC2.7 Y:AC2.5 Z:AC2.7 A:AC2.7	
	Coolant motor	kW	AC0.62	
	Hydraulic motor	kW	AC0.75/0.75	
Power tools	Tool storage capacity	pcs.	12 each	
	Spindle speed	min <sup>-1</sup>	Max.4,000	
	Power tools motor	kW	AC3.7/2.2	
	Max. endmill diameter	mm	φ16	
C-axis	Rapid traverse rate	deg/min	24,000	
	C-axis motor	kW	AC0.75	
Size	Spindle center height	mm	1,220	
	L × W × H	mm	3,050 × 2,125 × 2,365	
	Machine weight	kg	8,100	
Total electric capacity		KVA	73	

( ) :Option

Standard Accessories

- Y-axis function (Primary turret) ... 1 set
- C-axis indexing function (For both spindles) ... 2 sets
- Power tool drive unit (For both turrets) ... 2 sets
- O.D. holder ... 4 pcs.
- Boring holder ... 4 pcs.
- Hydraulic chuck (For both spindles) ... 2 sets
- Coolant unit (405lit.) ... 1 set
- Service tool kit ... 1 set
- Instruction manuals ... 1 set

Optional Accessories

- Power tools (Face/Side milling)
  - VDI 40 12-station turret
  - Bar feeder system
  - Parts catcher
  - Push rod
  - Spindle through parts ejector device on the #2 Spindle
  - Chuck clamp detector
  - Auto measurement unit
  - Work set detector
  - Cut-off check device
  - Tooling
  - Chip conveyor
  - (Can be mounted only on the right side)
  - (Floor type/Spiral type)
  - Chip bucket
  - Air blow unit (Front/Rear)
  - Rear coolant unit
  - Signal light
  - (1-color/2-color/3-color)
  - Automatic fire extinguisher
  - Automatic power shut-off device
  - Magnetic counter (Total/Preset/Multi)
  - Special color
  - Others\*
- \*For more information on attachments, consult our sales representative.

Controller Specifications

Item	TAKAMAZ & FANUC 31i-A
Controlled axes	8 axes (X1, Z1, C1, Y, X2, Z2, C2, A)
Simultaneously controllable axes	Simultaneous 4 axes (Single system)
Least input increment	0.001mm (X in diameter)
Least command increment	X:0.0005mm Y, Z, A:0.001mm
Auxiliary function	M-code 3 digit
Spindle function	S-code 4 digit
Tool function	T-code 4 digit
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, 50, 100%
Program file name	32 characters
Backlash compensation	0~9999μm
Program memory capacity	64KB(160m) (Dual systems total)
Tool offsets	32 sets (Dual systems total)
Registered programs	63 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
Custom macro	Standard
Nose R compensation	G40, G41, G42
Programmable data input	G10
Multiple repetitive cycle	G70~G76
Expansion program editing	Standard
Continuous thread cutting	G32
Canned drilling cycle	Standard
Spindle synchronous control	Standard
Sub-spindle torque skip	Standard
Y-axis offset	Standard
Chamfering/Corner R	Standard
Rigid tapping	Standard
Spindle orientation	Standard
Constant surface speed control	G96, G97
Clock function	Standard
Help function	Standard
Alarm history display	60 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
Polar coordinate interpolation	Standard
Cylindrical interpolation	Standard
Stored stroke check 1	Standard
Stored stroke check 2, 3	Standard
Input/Output interface	RS232C, Memory card
Alarm message	Standard
Abnormal load detection	Standard
Synchronous/Composite control	Standard
Balance cut	G68, G69

Optional Attachments

Tool life management	
Direct drawing dimension programming	
Inch/Metric conversion	G20/G21
Run hour/Parts count display	
Multiple M codes in one block	Max.3
Helical interpolation	
Manual guide i	
Additional custom macro common variables	#100~#199, #500~#999
Multiple repetitive cycle II	Pocket-shaped
Variable lead thread cutting	G34

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Check with the government agency for authorization.  
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Specifications and accessories are subject to change without notice.  
Standard specifications of the machine may differ according to destinations.



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2-spindle 2-turret  
CNC precision lathe

XY-2000 PLUS



CNC PRECISION LATHE XY-2000 PLUS



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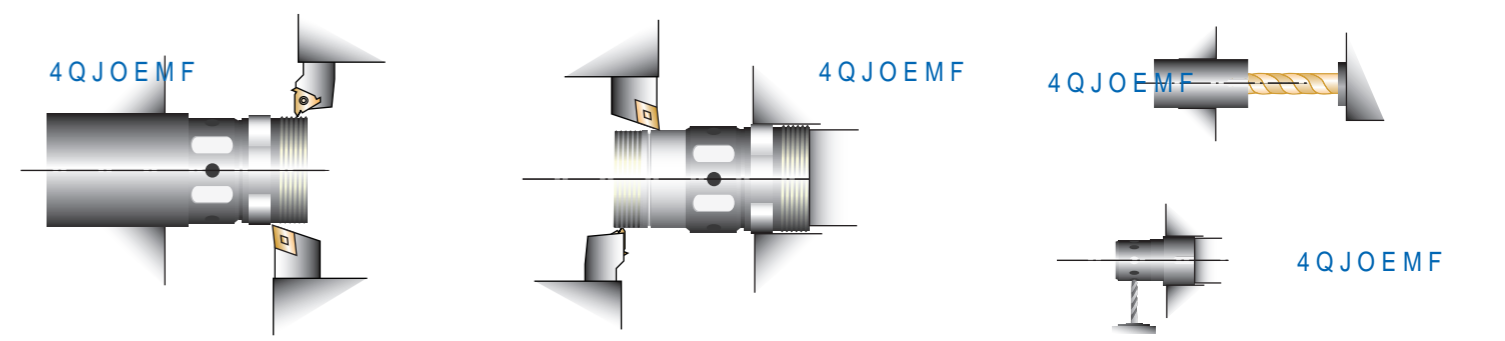
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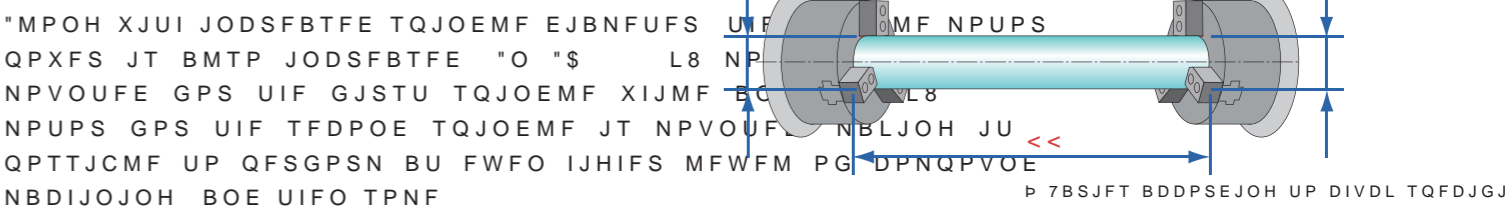
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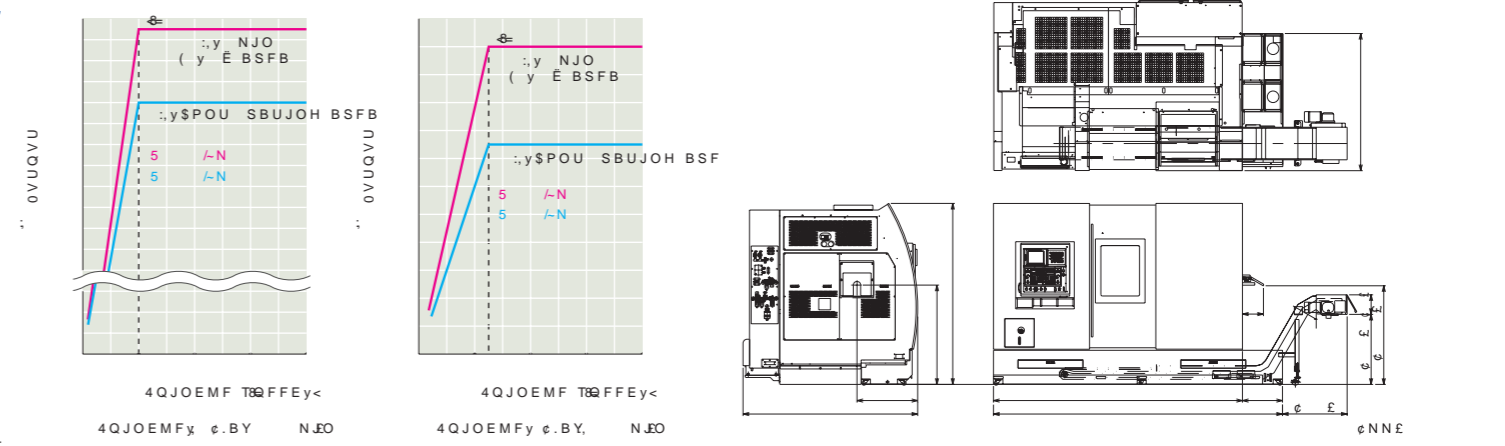
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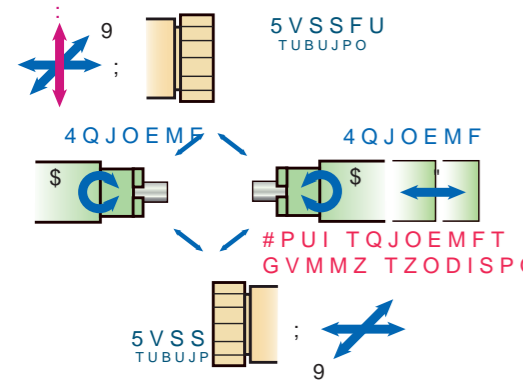


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