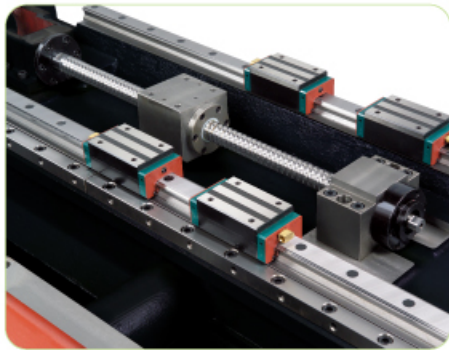


The most comprehensive range of CNC lathes for 3-axis applications

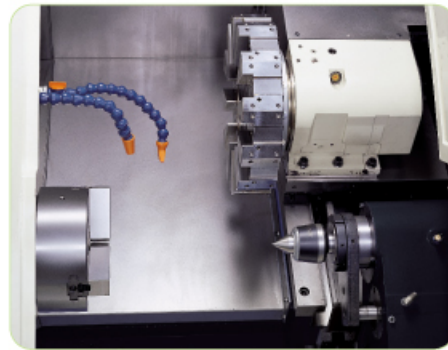


LINEAR GUIDE WAY

The Z-axis is equipped with extra rigid linear ways. Each linear way has two blocks, producing extremely firm support.

HIGH PRECISION BALL SCREW

The Z-axis ball screw is directly driven by servomotor. Extra large diameter of ball screw greatly upgrades feeding stability on Z-axis.



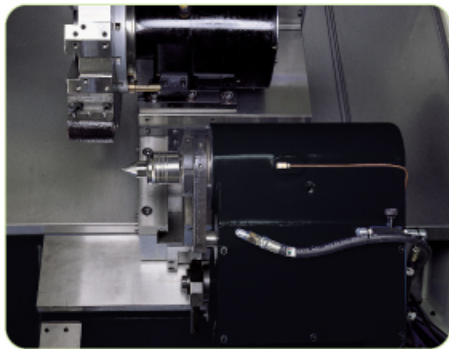
3-JAW CHUCK, TURRET AND TAILSTOCK

The 10-position heavy turret features large diameter curvic coupling and high pressure of 4396 kgf. Tool change time between adjacent tools is 0.3 seconds.



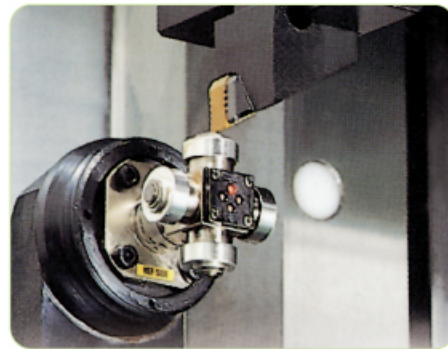
RIGID, PRECISE SPINDLE

The spindle is precision-machined from Chrome-molybdenum alloy steel, hardened and dynamically balanced to assure lifetime accuracy. The spindle is supported by class P4 angular contact ball bearings, featuring outstanding axial and radial loading capabilities. Maximum stability of spindle is enhanced especially when performing heavy cutting.



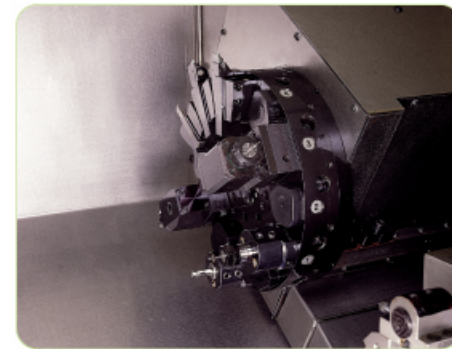
PROGRAMMABLE TAILSTOCK

The widely spaced tailstock slideways and heavy duty construction assure maximum rigidity. The center sleeve can be controlled by foot switch or programs.



TOOL PRESETTER

The automatic tool setter is designed to minimize cutting tests. It permits for measuring the tool length and tool diameter. The tool adjustment arm is powered and programmable controlled.



POWER TURRET

The power turret features bi-directional tool change. Tool change time between adjacent tools is only 0.2 seconds. The turret loading capacity is 12 tools. The live tool head can be fitted with 6 tools.

JCL series

The JCL series CNC lathe is excellent for heavy duty and continuous machining operations. The machine is carefully designed and built to ensure long term accuracy and fine finish on workpiece surface. The 30° slant bed structure, combined with the use of linear motion guides, provides extremely smooth motion. Fast traverse and quick tool change on the turret saves considerable non-cutting time. The machine features maximum stability when cutting various types of workpiece. Can also be equipped with power turret for milling and drilling operations, and a C-axis to save auxiliary operation time while increasing working efficiency.

JCL-6045M

	M = Power Turret None = Hydraulic Turret
	Max Turning Length
	26 = 260 mm
	32 = 320 mm
	45 = 450 mm
	50 = 500 mm
Max. Bar Capacity	
42 = Ø42 mm	
52 = Ø52 mm	
60 = Ø60 mm	

Accessories for JCL-4232, JCL-5232, JCL-6032, JCL-4250, JCL-6050

Standard:	Optional:
8" 3-jaw chuck	Chip conveyor
10 position hydraulic turret	Chip cart
Lighting device	Collet chuck (DIN 6343)
Coolant device	Parts catcher
Tailstock	Parts conveyor
Tools & tool box	Transformer
Foot switch	Hydraulic servo turret
Inner tool holder 5 pcs	Voltage stabilizer
Inner tool holder sleeve ̄8,10,12,16,20,25mm	Multiple bar feeder
Leveling pad	
Wedge block	
Heat exchanger	
Operation manual	
NC controller operation manual	
NC maintenance manual.	

Accessories for JCL-4226M, JCL-5226M, JCL-6026M ,JCL-4245M, JCL-5245M, JCL-6045M

Standard:	Optional:
8" 3-jaw chuck	Chip conveyor
12 position power turret (VDI-30)	Chip cart
Lighting device	Collet chuck (DIN 6343)
Coolant device	Parts catcher
Spindle C-axis function	Parts conveyor
Tailstock	Transformer
Tools & tool box	Voltage stabilizer
Foot switch	Multiple bar feeder
Leveling pad	
Heat exchanger	
Operation manual	
NC controller operation manual	
NC maintenance manual	



HEAT EXCHANGER FOR ELECTRICAL CABINET

The high efficiency heat exchanger allows for constant temperature in the electrical cabinet. It also ensures the performance dependability of electronic components.

HYDRAULIC POWER UNIT

The hydraulic power unit provides power for 3-jaw chuck, hydraulic turret and hydraulic tailstock. The hydraulic power unit consists of high quality components, assuring extremely stable motions, low noise and long service life.



ITEM		JCL-4232	JCL-5232	JCL-6032	JCL-4250	JCL-5250	JCL-6050	JCL-4226M	JCL-5226M	JCL-6026M	JCL-4245M	JCL-5245M	JCL-6045M
Max. Swing Over Bed	mm	510											
Max. Turning Diameter	mm	Ø320						Ø230					
Max. Turning Length	mm	320			500			260			450		
Max. Bar Capacity	mm	Ø42	Ø50	Ø60	Ø42	Ø50	Ø60	Ø42	Ø50	Ø60	Ø42	Ø50	Ø60
Spindle Bore Diameter	mm	Ø56	Ø70	Ø75	Ø56	Ø70	Ø75	Ø56	Ø70	Ø75	Ø56	Ø70	Ø75
Spindle Nose		A2-5	A2-5	A2-6	A2-5	A2-5	A2-6	A2-5	A2-5	A2-6	A2-5	A2-5	A2-6
Spindle Speed Range	rpm	45 ~ 3500											
Spindle Motor	kw	STANDARD: 7.5 , OPTION: 15											
Number of Tool Stations		10						12					
Max. Stroke X/Z Axis	mm	171 / 360			171 / 550			171 / 300			171 / 480		
Rapid Traverse X/Z Axis	m/min	16 / 20											
Turret Indexing Time	sec	0.3											
Machine Design	deg	30°											
Slideway Type		Linear Guideway											
Quill Taper		MT4											
Tailstock Traverse	mm	100											
Spindle Hydraulic Chuck		8"											
Turning Tool Diameter	mm	□ 20											
Boring Tool Diameter	mm	Ø32						VDI 30					
Driven Tool Motor Power /30min	kw	-						2.2					
Spindle Bearing Diameter	mm	Ø90	Ø100	Ø110	Ø90	Ø100	Ø110	Ø90	Ø100	Ø110	Ø90	Ø100	Ø110
X/Z Axis Ball Screw	mm	Ø32											
Diameter X/Z Axis Servo Motor	kw	1.2	STANDARD: 1.2 , OPTION: 1.6										
Hydraulic Motor	kw	1.5											
Lubrication System Motor	w	3.5											
Power Requirement	kva	20						25					
Coolant Tank Capacity	L	120											
Machine Dimensions (LxWxH)	mm	2165x1555x1890			2780x1625x1950			2165x1555x1890			2780x1625x1950		
Weight	kg	3100	3200	3200	3500	3500	3500	3500	3500	3500	3500	3500	3500

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The most Comprehensive Range of CNC Lathes

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