

ITEM		JCL-4250	JCL-5250	JCL-6050	JCL-4245M	JCL-5245M	JCL-6045M
Max. Swing Over Bed	mm			510			
Max. Turning Diameter	mm		Ø320			Ø230	
Max. Turning Length	mm		500			450	
Max. Bar Capacity	mm	Ø42	Ø50	Ø60	Ø42	Ø50	Ø60
Spindle Bore Diameter	mm	Ø56	Ø70	Ø75	Ø56	Ø70	Ø75
Spindle Nose		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	171/550			171/480		
Rapid Traverse X/Z Axis	m/min		24				
Turret Indexing Time	sec		0.3				
Machine Design	deg		30°				
Slideway Type			Linear Guide way				
Quil Taper			MT4				
Tailstock Traverse	mm		100				
Spindle Hydraulic Chuck			8"				
Turning Tool Diameter	mm		Ø20				
Boring Tool Diameter	mm	Ø32			VDI30		
Driven Tool Motor Power / 30min	kw	—		2.2			
Spindle Bearing Diameter	mm	Ø90	Ø100	Ø110	Ø90	Ø100	Ø110
X/Z Axis Ball Screw	mm		Ø32				
Diameter X/Z Axis Servo Motor	kw		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		2825x1741x2270				
Weight	kg		3500				

\*Our company reserves the right to change the specifications without notice.

**State-of-the-Art Designed CNC Lathes**

**The most Comprehensive Range of CNC Lathes**

<http://www.jinnfa.com>



Since 1976



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.



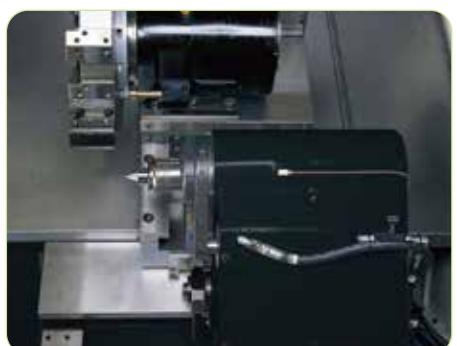
#### 3-JAW CHUCK, TURRET AND TAILSTOCK

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.



#### 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.

# 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
42 = Ø42 mm
52 = Ø50 mm
60 = Ø60 mm
45 = 450 mm

#### Accessories for JCL-4250, JCL-5250, JCL-6050

Standard:	Optional:
8" 3-jaw chuck 10 position hydraulic turret Lighting device Coolant device Tailstock Tools & tool box Foot switch Inner tool holder 5 pcs Inner tool holder sleeve Ø8,10,12,16,20,25mm Leveling pad Wedge block Heat exchanger Operation manual NC controller operation manual NC maintenance manual	Chip conveyor Chip cart Collet chuck (DIN 6343) Parts catcher Parts conveyor Transformer Hydraulic servo turret Voltage stabilizer Multiple bar feeder

#### Accessories for JCL-4245M, JCL-5245M, JCL-6045M

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