

STAR STL SERIES

STAR STL6 / STL8 / STL8-II / STL10 / STL12



Standard Features

- Hydraulic 3-Jaw Chuck
- 8-Station Turret (STL series)
- 12-Station Power Turret (TN, TS)
- Automatic Lubrication System
- Automatic Coolant System
- Automatic Tailstock (STL10, STL12, TN600)
- Hydraulic Tailstock (STL6, STL8)

Optional Features

- 12-Station Turret
- Different Chucks and Collets
- Different CNC Control Systems
- Different Spindle Bore Diameters
- Chip Conveyor
- Tool Setter
- Bar Feeder

Machine Characteristics

- Cast Mono-Block, "True Align" Slant Bed Structure
- Adjustable "Ergonomic" Operator Control Panel
- Servo Spindle Motor — High Speed with Constant Torque
- Handheld Electronic Hand Wheel
- Schneider Superior Quality Electrical Components
- Cylindrical Roller Spindle Bearings and LM for STL10/STL12/TN500/TN600



Specifications

		Unit	STL6			STL8		STL8-II		STL10		STL12		
Capacity	Chuck size	inch	6", *8"			8", *10"		8", *10"		10", *8"		12", *15"		
	Max. swing dia. over bed	mm	Φ400			Φ420		Φ420		Φ500		Φ550		
	Max. length of workpiece	mm	300			400		500		750		750		
	Max. swing dia. over slide	mm	Φ200			Φ210		Φ210		Φ270		Φ290		
Spindle	Spindle bore	mm	Φ48	*Φ55	*Φ62	Φ62	*Φ75	Φ62	*Φ75	Φ81	*Φ62	Φ105	*Φ105	*Φ120
	Max. dia. of through-hole	mm	Φ40	*Φ46	*Φ52	Φ52	*Φ65	Φ52	*Φ65	Φ70	*Φ52	Φ91	*Φ91	*Φ110
	Spindle nose	type	A2-5	*A2-5	*A2-6	A2-6	*A2-8	A2-6	*A2-8	A2-8	*A2-6	A2-11	*A2-8	*A2-11
			3000	*2500	*2000	2000	*1600	2000	*1600	1600	*2000	1000	*1800	*1000
	Spindle speed	rpm	*4500	*4000	*3500	*3500	*3000	*3500	*3000	*2500	*3500			
				*5000	*4000	*4000								
Axis	Main motor power	kW	5.5/7.5			7.5/11.0		7.5/11.0		7.5/11.0, *11.0/15.0		11.0/15.0, *15.0/18.0		
	X axis travel	mm	155			180		180		280		280		
	Z axis travel	mm	300			400		500		750		750		
	X/Z rapid traverse	m/min	18/20			15/20		15/20		15/20		15/20		
Turret	Max. speed of driving tool	rpm	N/A			N/A		N/A		N/A		N/A		
	No. of tool stations	nos	8, *12			8, *12		8, *12		8, *12		8, *12		
	Tool shank size	mm	20x20, *16x16			25x25, *20x20		25x25, *20x20		25x25		25x25		
Tailstock	Type of tailstock		Hydraulic, *LM			Hydraulic, *LM		LM		LM		LM		
	Taper of tailstock quill		MT4			MT4		MT4		MT5		MT5		
	Travel of tailstock quill	mm	80			80		0		0		0		
	Travel of tailstock	mm	300			400		100-500		100-750		100-750		
Structure	Slant bed degree		35°			35°		35°		35°		35°		
	Guideway type		LM			LM		LM		LM		LM		
Others	Power capacity	KVA	13			15		15		18		20		
	Overall dimension (LxWxH)	mm	2130x1450x1600			2600x1720x1775		2800x1850x1830		3200x1900x2000		3200x1900x2000		
	Weight (about)	Kg	2500			3300		3400		5000		5200		

Note: "*" means optional, "LM" means linear motion guide way, automatic hydraulic driven body move tailstock.

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