

Machine Specifications

			SL-15	SL-15M, MC
Capacity	Swing over bed	inch (mm)	17.7" (450)	17.7" (450)
	Swing over cross slide	inch (mm)	11.8" (300)	11.8" (300)
	Between centers	inch (mm)	23.4" (595)	23.4" (595)
	Standard machining diameter	inch (mm)	6.3" (160)	6.3" (160)
	Max. machining length	inch (mm)	20.7" (525)	20.7" (525)
Moving range	X axis	inch (mm)	5.3" (135) + 4.5" (115)	8.7" (222) + 4.4" (112)
	Z axis	inch (mm)	22.0" (560)	22.0" (560)
Spindle	Spindle speed	min ⁻¹ , rpm	60 ~ 6000	50 ~ 5000
	Spindle nose		JIS A2-5	JIS A2-5
	Hole through spindle	inch (mm)	2.0" (52)	2.0" (52)
	Min. index angle		—	M 2.5" MC 0.001"
	Front bearing ID	inch (mm)	3.5" (90)	3.5" (90)
Turret	Number of tools		12	12 (Turret head accepts rotary tools in up to six stations.)
	Shank height for square tool	inch (mm)	0.8" (20)	0.8" (20)
	Shank diameter for boring bar	inch (mm)	Max. 1.3" (32)	Max. 1.3" (32)
	Turret index time	sec	0.7 (6 station 1.5)	0.7 (6 station 1.5)
	Spindle speed for rotating tools	min ⁻¹ , rpm	—	80 ~ 2000 (120 ~ 3000 Optional)
Feed	Rapid feed rate	inch (mm)/min	X axis: 472.4" (12000) Z axis: 590.6" (15000)	X axis: 472.4" (12000) Z axis: 590.6" (15000)
	Cutting feed rate	inch (mm)/rev	X axis: 0.000008" ~ 7.8" (0.0002 ~ 200) Z axis: 0.000008" ~ 9.8" (0.0002 ~ 250)	X axis: 0.000008" ~ 9.4" (0.0002 ~ 240) Z axis: 0.000008" ~ 11.8" (0.0002 ~ 300)
	Jog feed rate	inch (mm)/min	X, Z axis: 49.6" (1260)	X, Z axis: 49.6" (1260)
Tailstock	Tailstock stroke	inch (mm)	17.7" (450)	17.7" (450)
	Tailstock quill diameter	inch (mm)	3.0" (75)	3.0" (75)
	Tailstock quill taper		MT4 (Live center)	MT4 (Live center)
	Tailstock quill stroke	inch (mm)	3.1" (80)	3.1" (80)
Motor	Main motor (30 min./cont)	kW	7.5/5.5 (11/7.5 Optional)	7.5/5.5 (11/7.5 Optional)
	Drive motor for rotating tools	kW	—	2.2/1.5 (30 min./60 min.)
	Aux drive motor	kW	X axis: (F) AC 0.9 (Y) AC 0.85 Z axis: AC 1.8	X axis: (F) AC 0.9 (Y) AC 0.85 Z axis: AC 1.8
Others	Power consumption	kVA	19 (24 Optional)	M, 19 (24 Optional) MC, 20 (25 Optional)
	Coolant tank capacity	ℓ	85	85
	Required floor space	inch (mm)	98.4" X 57.2" (2500 X 1453)	98.4" X 59.0" (2575 X 1495)
	Machine weight	lbs (kg)	7000 (3220)	7300 (3300)

Standard accessories

- Coolant system
- Built-in worklight
- Splash guard
- Toolholders
- Hand tools

Optional accessories

- Rotary tools holder (M, MC type)
- Quick change tooling system
- Chip conveyor (exhausts to right side)
- Chip conveyor (exhausts to rear)
- Programmable tailstock
- Hydraulic chuck (6")
- Collet chuck
- Soft jaw
- Automatic measuring system
- Parts catcher
- Bar feeder
- Built-in tool presetter
- Automatic door
- Air blower

NC Unit Specifications

Controllable axes	Sim
Input command	M M A D
Interpolation	
Feed	
Program storage, editing	
Operation, display	
I/O function	
S.T.M function	
Tool compens	
Coordinate	
Operation function	
Program function	
Simulation	
...	

Figures in inches are converted from metric measurements.

inch (mm)