

# Mecatron

## SL-120

### Slant Bed Lathe



#### **Slant Bed and Base**

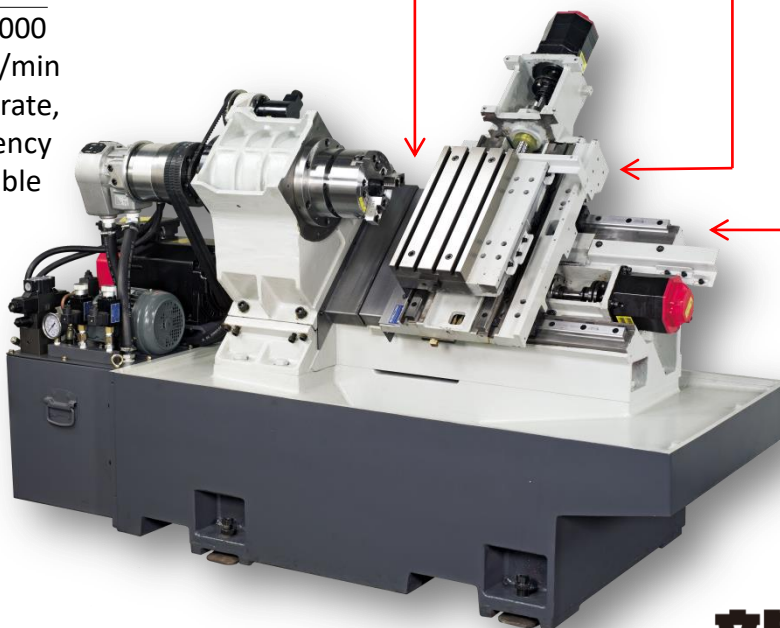
Designed with slant bed and base providing the highest accuracy and highest stability. It's also easy for chip removal.

#### **6000 rpm Spindle**

Spindle with 6000 rpm and 30 M/min rapid traverse rate, the high efficiency cutting is suitable for small parts machining.

#### **Linear Guideway**

Linear guideway design at the X and Z axis for fast rapid feed and an excellent stability.



#### **Base Structure**

High rigidity and stable base structure showing unique dynamic stability in high speed cutting

龍馬精機

# Specifications

		Slide Gang Type	Turret
<b>Capacity</b>	Swing over bed	Ø330 (Ø13)	
	Swing over cross slide	Ø136 (Ø5.4)	Ø135 (Ø5.3)
	Max. machining dia. x length	Ø135x150 (Ø5.3x5.9)	Ø128x130 (Ø5x5.1)
	Slant angle of bed	45°	
	Max. travel range of Z/X-axis	230/230 (9.1/9.1)	230/107 (9.1/4.2)
	Servo motor of Z/X-axis	1.2/1.2 KW	
	Rapid traverse rate of each axis	30/30 M/min (1.181/1.181 ipm)	
<b>Spindle</b>	Front bearing bore	Ø80 (Ø3.2)	
	Bore/bar capacity	Ø45/ Ø35 (Ø1.77/ Ø1.38)	
	Spindle nose	ASA A2-5	
	Taper of spindle bore	1/20	
	Spindle motor	5.5/7.5 kw (7.5/10 HP)	
	Spindle speed	Standard: 6000 rpm	
	Dia. of chuck	Standard: 6" Hydraulic (Taiwanese brand)	
<b>Turret</b>	Type	Slide gang type	Tool turret
	Stations	6pcs	8pcs
	Tool shank size	16x16 (5/8x5/8)	
	Boring bar dia.	Ø25/2pcs (Ø1/2pcs)	Ø25/4pcs (Ø1/4pcs)
	Radial tool size	16x16 (5/8x5/8) 1pc	-
	Axial tool size	2 pcs	-
	Dual tool size	1 pc	-
<b>Motor</b>	Coolant motor	960 W	
	Hydraulic motor	745 W (1 HP)	
	Chip conveyor motor	215 W (1/4 HP)	
<b>Accuracy</b>	Positioning	±0.005	
	Repeatability	±0.002	
<b>Machine size</b>	Center height from bed	255 (10)	
	Center height from floor	900 (35.4)	
	Floor area (L x W)	2125x2140 (183.6x84.3)	
	Packing size (L x W x H)	2380x2280x2030 (93.7x 89.8x79.7)	
	Net weight	2520 kg	
	Gross weight	2400 kg	

## STANDARD ACCESSORIES

- Fanuc Oi-Mate Controller
- Spindle Speed 6000 rpm
- Spindle Motor 5.5/7.5 kw
- 6" Hydraulic Chuck
- Coolant System
- Leveling Bolts and Pads
- Grease Lubrication System
- Work Lamp
- End of Program Light
- Taper Sleeve (MT No.1 & MT No.2) x O.D.25
- 6 Sets Gang Type Tool Holder (16x16)
- Tool Kit
- One Set of Soft Jaws
- Boring Bar Bushings
- (Ø8, Ø10, Ø12, Ø16, Ø20) x O.D.25
- Operation Manual
- Maintenance Manual
- Electrical Circuit Diagram
- Parts List

## OPTIONAL ACCESSORIES

- Fanuc Oi-TD Controller
- Siemens Controller
- Mitsubishi Controller
- 6" Hydraulic Chuck (Japanese brand)
- Parts Catcher
- Oil Mist Collector
- Transformer
- Collet Chuck
- Bar Feeder
- Bar Feeder Interface
- Chain Type Chip Conveyor + Chip Bucket



**Mecatron**

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