

SPECIFICATION		Unit	SL 1500	SL 2000	SL 2000 B	SL 2500	SL 3000
Spindle 主軸	Spindle Nose 鼻端	Inch	A2-5	A2-6	A2-6	A2-8	A2-8
	Bar capacity 棒材通孔	mm	45	52	66	78	90
	Chuck size三爪夾頭	inch/m m	6" / 169	8" / 210	8" / 210	10" / 254	12" / 304
	Spindle center height 中心高	mm	970	970	970	970	970
	Spindle center to front door distance 中心至前門距離	mm	310	310	410	410	410
	Spindle motor 馬達		FANUC B12/8000	FANUC B12/8000	FANUC B12/8000	FANUC B15/7000	FANUC B22/7000
FANUC 控制系統	Controller 型式		Fanuc OiTD				
	Display螢幕規格		8.4" color LCD				
	Max spindle motor power 最大馬達功率	kW	15	15	15	18.5	26
	Spindle speed 最高轉速	rpm	6,000	5,000	4,200	3,500	2,500
	Full output speed 全馬力輸出轉速	rpm	1,125	938	788	750	208/625
	Max spindle torque 最大馬達輸出扭矩	Nm	127	153	182	236	848
	X axis motor X軸馬達功率	kW	1.8	1.8	1.8	1.8	3
	Z axis motor X軸馬達功率	kW	1.8	1.8	3	3	3
Machining Area 加工範圍	Swing over bed 床身旋徑	mm	460	535	610	690	690
	Max. turning diameter 最大加工直徑	mm	285	360	410	510	510
	Max. turning length 最大切削長度	mm	360	360 (L:1,020)	610 (L:1,020)	610 (L:1,020)	1,020 (L:1,520)
	Bar capacity 棒材通孔徑	mm	45	52	66	78	90
X / Z Axis X / Z 軸	X axis travel X軸行程	mm	163	200	230	275	275
	Z axis travel Z軸行程	mm	360	360 (L:1,020)	610 (L:1,020)	610 (L:1,020)	1,020 (L:1,520)
	X / Z axis rapid 快速位移	m/min	30 / 30				
Turret 刀塔	Driven 驅動方式		Hydraulic 油壓				
	Capacity 刀位數量		12				
	Square shank外徑刀柄	mm	□ 20x20	□ 25x25	□ 25x25	□ 25x25	□ 25x25
	Round shank擲刀柄徑	mm	d32	d40	d40	d40	d40
Volume 容量	Coolant tank 水箱	liter	130	130	200	200	250
	Hydraulic tank 油壓箱	liter	40				
Tailstock (Option) 尾座 (選配)	Driven 傳動方式		Saddle 鞍座				
	Travel 行程	mm	275	275	525 (L:935)	525 (L:935)	625 (L:1435)
	Quill travel 心軸行程	mm	100	120	120	120	120
	quill diameter 心軸直徑	mm	75	85	85	85	85
	Quill type 心軸型式		MT#4	MT#5	MT#5	MT#5	MT#5
Dimension/ Weight 尺寸/重量	Width 寬度	mm	1,635	1,650	1,970	1,970	1,970
	Length 長度	mm	1,940	1,940	2,990	2,990	2,990
	Height 高度	mm	1,650	1,781	1,812	1,812	1,812
	Weight 重量	kg	3,480	3,480	3,500	5,000	5,265

• The photos shown in the catalog may differ from actual machine. Union MT reserves the rights to modify or to stop adopting the specifications of this catalogue. 本型錄上的圖片部分為選配附件或與實際有所差異，國合科技保留機床規格，外觀，配備變更及停用之權利。



UNION MT

Your Choice Of Partner



CNC Horizontal Turning Center

高性能 CNC 臥式車床
SL 系列

When Heavy Duty Matter Your Choice SL series to suit various machining applications

RIGID STRUCTURE 高剛性結構

- Extend tool life and provide heavy duty cutting stability
- Super engineering, FEA techniques were used to design and build a heavy-duty structure and assure optimum rigidity and life.
- Rigid and stable one body base and bed strategically ribbed and 45-degrees for robust.
- 延長刀具壽命，並提供重型切削穩定性
- 有限元分析技術用來設計和建造重型結構，確保最佳的剛性和壽命。
- 剛性和穩定的一體底座和性和 45 度肋骨設計加強底座剛性

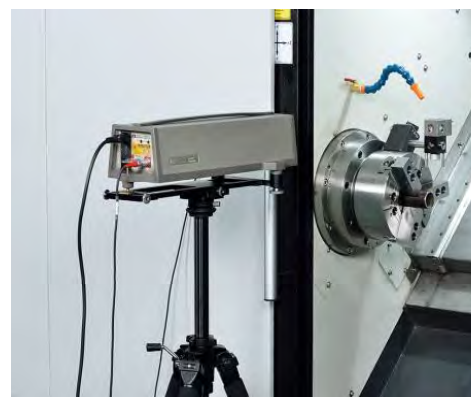
EXCELLENT PERFORMANCE 卓越的性能

- Excellent static and cutting accuracy
- Spindle nose run out accuracy 0.001 mm.
- Accurate full stroke positioning accuracy 0.005 mm on X and Z axes.
- Accurate full stroke repeatability accuracy 0.004 mm on X and Z axes.
- 優異的靜態和切割精度
- 主軸鼻端偏擺動精度 0.001 毫米。
- 精確的 X 軸和 Z 軸全行程定位精度 0.005 毫米。
- 精確的 X 軸和 Z 軸全行程重覆精度 0.005 毫米。

RIGID TAILSTOCK (Option) 高剛性尾座 (選配)



- Programmable tailstock with MT#5 Morse Taper
- Front mounted and friendly view pressure gauge for flexible and long parts.
- Hydraulic motor actuated is available for fully programmable as option.
- 莫氏錐度 MT # 5 可編程尾座
- 友善前置式油面計增加長工件加工靈活性
- 可選配油壓馬達驅動方式



QUALITY NATURE 高產能

- Laser measurement and skilled scrap technology on every machine
- VDI 3441 standard use for more strict and better accuracy than ISO 230-2
- 每部機床進行雷射校正與鏤花技術
- 採用更為嚴謹的 VDI 3441 規範

HIGHER EFFICIENCY 高效率

- Faster speed and cut more for shorter cycle time
- Faster spindle speed 6,000 rpm
- Efficient chip removal capacity for cutting depth 5 mm.
- 2 step speed or 4 step speed is available for heavy duty cutting requirements.
- 45 degree slant bed for quick chip removal to reduce heat generated.
- Compact machine floor layout for better investment profit
- 更快的速度和更短的切削週期時間
- 主軸轉速 6,000 轉。
- 高效的排屑能力，切削深度 5mm。
- 2 段或 4 段變速可滿足重負荷切削的要求。
- 45 度斜背設計快速排屑，以減少熱量集中。
- 精實佔地面積增加生產效率
- The photos shown in the catalog may differ from actual machine.

PRECISION TRANSMISSION 精密傳動

- Precision C3 class ball screw, hardened and ground box ways feature heavy duty capability
- Preload ball screws reduce thermal displacement.
- 精密 C3 級滾珠螺桿，和硬化處理確保重型切削能力
- 預拉滾珠導螺桿減少熱位移

Machine Dimension (mm) 機台外型尺寸圖

