

	Model		Unit	LU7000 EX (L)	LU7000 EX (M)	
				2SC×2000		
Capacity	Swing over bed	Upper/Lower turret	mm (in.)	ø1,200 (ø47.24)**1		
	Swing over saddle	Upper/Lower turret	mm (in.)	ø770 / ø780 (ø30.31 / ø30.71)		
	Max turning diameter	Upper/Lower turret	mm (in.)	ø900 / ø670 (ø35.43 / ø26.38)	ø900 / ø670 (ø35.43 / ø26.38) (L radial)	
	Max work length		mm (in.)	2,000 (78.74)		
	Max workpiece weight (including chuck)	Cantilever support	kg (lb)	B08 : 1,850 (4,070) [B12 : 4,000 (8,800), B15 : 4,000 (8,800), B22 : 11,000 (24,200)] (when L/D=1.0 ²) B08 : 1,300 (2,860) [B12 : 2,900 (6,380), B15 : 2,900 (6,380), B22 : 8,000 (17,600)] (when L/D=2.5 ²)		
Travels	X-axis	Upper/Lower turret	mm (in.)	505 / 390 (19.88 / 15.35)		
	Z-axis	Upper/Lower turret	mm (in.)	2,150 / 2,150 (84.65 / 84.65)		
	C-axis control		deg	-	360° (min control angle 0.001°)	
Spindle	Spindle speed		min ⁻¹	B08 : 10 - 1,500 [B12 : 8 - 750, B15 : 5 - 500, B22 : 5 - 350]		
	Speed ranges			B08 : Auto 4-speed (4 gears) [B12-B15-B22 : Auto 2-speed (2 gears)]		
	Spindle torque (30 min/cont)	B08		N-m (ft-lbf)	45 kW : 9,511/7,820 (6,993/5,750) [55 kW : 10,146/9,511 (7,460/6,993), 75 kW : 10,146/10,146 (7,460/7,460)]	
		B12		N-m (ft-lbf)	45 kW : 8,189/6,733 (6,021/4,950) [55 kW : 10,009/8,189 (7,359/6,021), 75 kW : 10,919/10,919 (8,028/8,028)]	
		B15		N-m (ft-lbf)	45 kW : 8,595/7,067 (6,319/5,196) [55 kW : 10,505/8,595 (7,724/6,319), 75 kW : 10,505/10,505 (7,724/7,724)]	
		B22		N-m (ft-lbf)	45 kW : 8,883/7,304 (6,531/5,370) [55 kW : 10,857/8,883 (7,983/6,531), 75 kW : 11,567/11,567 (8,505/8,505)]	
	Spiindle nose type			B08 : JIS A2-15 [B12 : JIS A2-20, B15 : JIS A2-20, B22 : ø725 flat]		
	Spindle bore dia		mm (in.)	B08 : ø200 (ø7.87) [B12 : ø320 (ø12.60), B15 : ø375 (ø14.76), B22 : ø560 (ø22.05)]		
Spindle bearing dia		mm (in.)	B08 : ø280 (ø11.02) [B12 : ø440 (ø17.32), B15 : ø480 (ø18.90), B22 : ø700 (ø27.56)]			
Turret	Type	Upper/Lower turret		V12 / V10	Multitasking radial V12 radial / V10 (L radial)	
	No. of tools	Upper/Lower turret		12 / 10	L, M : 12 / L : 10	
	OD tool shank dimensions		mm (in.)	40 (1.57)		
	ID tool shank diameter		mm (in.)	ø63 (ø2.48)		
Milling Tool	Speed range		min ⁻¹	-	40 - 3,500	
	Milling tool speed range			-	Infinitely variable	
Rapid traverse	Rapid traverse	X, Z-axis	m/min (fpm)	X : 20, Z : 20 (X : 6.10, Z : 6.10)		
	Rapid traverse	C-axis	min ⁻¹	-	50	
	Cutting feedrate	X, Z-axis	mm/rev	0.001 - 1,000.000		
Tailstock	Quill diameter		mm (in.)	ø180 (ø7.09)		
	Quill bore taper			MT No. 6 (built-in)		
	Quill travel		mm (in.)	350 (13.78)		
	Maximum tailstock thrust		kN	26		
Motors	Spindle motors (30 min/cont)		kW (hp)	VAC 45 / 37 [VAC 55 / 45, VAC 75 / 60] (VAC 60 / 49 [VAC 73 / 60, VAC 100 / 80])		
	Milling tool spindle motors		kW (hp)	-	VAC 15 / 11 (20 / 15) (30 min/cont)	
	Axis drive motors	X-axis		kW (hp)	XA : 5.2 (6.93), XB : 5.5 (7.33)	
		Z-axis		kW (hp)	ZA : 7.3 (9.73), ZB : 7.3 (9.73)	
	Coolant motors (50/60 Hz)			kW (hp)	0.55 (0.73) / 0.75 (1) × 2 turrets	
Machine size	Height		mm (in.)	3,300 (129.92)		
	Floor space (width × depth) (including tank)		mm (in.)	7,147 × 3,256 (281.38 × 128.19)		
	Machine weight		kg (lb)	35,000 (77,000)		
CNC				OSP-P300LA		

[]: Optional

*1. B08 spindle specs limited to ø1,140 mm only in range of 30 mm from spindle nose.

*2. L: Workpiece length, D: Workpiece diameter