

	Item	Unit	LU45II			LU45II(M)				
			2ST × 750	2SC × 1000	2SC × 2000	2SC × 3000	2ST × 750	2SC × 1000	2SC × 2000	2SC × 3000
Capacity	Swing over bed	mm (in)	ø840 (33.07)			ø780 (30.71)		ø840 (33.07)		ø780 (30.71)
	Swing over saddle	mm (in)	ø555 (21.85)							
	Distance between centers	mm (in)	–	1,000 (39.37)	2,000 (78.74)	3,000 (118.11)	–	1,000 (39.37)	2,000 (78.74)	3,000 (118.11)
	Max turning diameter	mm (in)	ø650 (25.59)							
	Max work length	mm (in)	750 (29.53)	1,000 (39.37)	2,000 (78.74)	3,000 (118.11)	750 (29.53)	1,000 (39.37)	2,000 (78.74)	3,000 (118.11)
	Max workpiece weight (including chuck)	kg	Single support: 300 [450], double-centered support: 1,500							
Travels	X axis	mm	UT: 440 {330+110}/LT: 305 {230+75}				UT: 440 {325+115}/LT: 305 {230+75}			
	Z axis	mm	UT: 1,090 LT: 1,025		UT: 2,090 LT: 2,025	UT: 3,090 LT: 3,025	UT: 1,090 LT: 1,025		UT: 2,090 LT: 2,025	UT: 3,090 LT: 3,025
	C axis		–				360°			
Spindle	Speed	min ⁻¹	12 to 2,800 [12 to 2,400] <31 to 900>							
	Speed ranges		Auto 4-speed (4 gears) <stepless >							
	Spindle nose		JIS A2-11 [JIS A2-11] <JIS A2-20>							
	Spindle bore dia	mm (in)	ø110 (4.33) [130 (5.12)] <ø260 (10.24)>							
	Front bearing dia	mm (in)	ø150 (5.91) [180 (7.09)] <ø320 (12.60)>							
Turret (NC)	Type		UT: V12 / LT: V10				UT: M-V12 / LT: VDI-V10			
	No. of tool		UT: 12 / LT: 10				UT: 12 (L, M) LT: 10			
	OD tool shank dimensions	mm (in)	32 x 32 (1.26 x 1.26)							
	ID tool shank diameter	mm (in)	ø63 (2.48)							
	Turre indexing time	sec	0.7/index (lift-up)							
Milling Tool	Spindle speed	min ⁻¹	–				M-VDI: 40 to 2,000			
Feedrates	Rapid traverse	m/min (fpm)	X: 15 (49) / Z: 20 (66)				X: 15 (49) / Z: 20 (66) / C: 100 min ⁻¹			
Tailstock	Quill diameter	mm (in)	–	ø130 (5.12)			–	ø130 (5.12)		
	Quill bore taper		–	MT No. 5 (built-in)			–	MT No. 5 (built-in)		
	Quill travel	mm (in)	–	170 (6.69)			–	170 (6.69)		
Motors	Spindle drive (30 min/cont)	kW (hp)	Wide range 37/30 (50/40), 45/37 (60/50)*, 55/45 (75/60)* [37/30 (50/40), 45/37 (60/50)*, 55/45 (75/60)* <45/37 (60/50)>							
	Milling tool spindle motor (30 min/cont)	kW (hp)	–				7.5 / 5.5 (10/7.5) (30 min/cont)			
	Axis drive motors	kW (hp)	XA: 3.6 (4.8), XB: 3.0 (4), ZA/ZB: 4.6 (6.13)							
	Coolant pump motors	kW	Side discharge: 0.4 × 2, rear discharge: 0.4 × 1, 0.8 × 1							
Machine Size	Height	mm (in)	3,042 (119.76)			2,808 (110.55)		3,042 (119.76)		2,808 (110.55)
	Floor space (including tank)	mm×mm	4,750 × 3,338		6,060 × 3,365	8,020 × 3,043		4,750 × 3,338	6,060 × 3,365	8,020 × 3,043
	Weight (w/CNC system)	kg (lb)	17,000 (37,400)	17,500 (38,500)	23,000 (50,600)	25,500 (56,100)	17,500 (38,500)	18,000 (39,600)	23,500 (51,700)	26,000 (57,200)
CNC		OSP-P300LA								

[]: Big bore spindle < >: Super big bore spindle * High-power motor