

LU-EX Series



		LU3000 EX			LU3000 EX (M)			LU3000 EX (MY)			LU4000 EX		LU4000 EX (M)		
CAPACITY	ITEM	UNIT	25T	25C x 600	25C x 1000	25T	25C x 600	25C x 1000	25T	25C x 550	25C X 950				
	Swing over bed	mm (in.)					ø580 (ø22.84)					ø695 (27.36)			
	Distance between centers	mm (in.)	-	600 (23.63)	1,000 (39.37)	-	600 (23.63)	1,000 (39.37)	-	550 (21.65)	950 (37.40)				
	Max turning diameter	mm (in.)	ø410 (16.14)			ø340 (13.39)			340 (13.39)			U: ø480 (18.90) L: ø310 (12.20)		U: ø430 (16.93) L: ø280 (11.02) *	
TRAVELS	Max work length	mm (in.)	350 (13.78)	600 (23.62)	1,000 (39.37)	350 (13.78)	600 (23.62)	1,000 (39.37)	350 (13.39)	550 (21.65)	950 (37.40)	650 (25.59)			
	X-axis	mm	U: 260 <+205 to -55> / L: 160 <+125 to -35> (U: 10.24 <+8.07 to -2.17> / L: 6.30 <+4.92 to -1.38>)			U: 260 <+170 to -90> / L: 160 <+110 to -50> (U: 10.24 <+6.70 to -3.55> / L: 6.30 <+4.33 to -1.97>)			U: 260 <+170 to -90> / L: 160 <+110 to -50> (U: 10.24 <+6.70 to -3.55> / L: 6.30 <+4.33 to -1.97>)			U: 240 (9.45) + 60 (2.36) L: 155 (6.10) + 40 (1.57) U: 215 (8.46) + 85 (3.35) L: 140 (5.51) + 55 (2.17)			
	Z-axis	mm (in.)	U: 685/L: 615(U: 26.97/L: 24.22)		U: 1,085/L: 1,015(U: 42.72/L: 39.96)	U: 685/L: 615(U: 26.97/L: 24.22)		U: 1,085/L: 1,015(U: 42.72/L: 39.96)	U: 630/L: 615(U: 26.97/L: 24.22)		U: 1,030/L: 1,015(U: 40.55/L: 39.96)	U: 740 (29.13) L: 700 (27.56)			
	Y-axis	mm (in.)							120 (+70 to -50)			-			
SPINDLE	C-axis	mm (in.)	-			360° (0.001 unit)			360° (0.001 unit)			360 (0.001 unit)			
	Speed	min ⁻¹ (rpm)	45 to 5,000 [42 to 4,200, 30 to 3,000]										42 to 4,200 (30 to 3,000)		
	Speed ranges		Infinity variable × 2 auto ranges										Stepless × 2 auto ranges		
	Nose		JIS A2-6 [JIS A2-8, JIS A2-11]										JIS A2-8 [JIS A2-11]		
	Bore diameter	mm (in.)	ø80 [ø91, ø112] [ø3.15 [ø3.59, ø4.73]]										ø91 (3.58) [ø112 (4.41)]		
TURRET	Front bearing diameter	mm (in.)	ø120 [ø140, ø160] [ø4.73 [ø5.52, 6.30]]										ø140 (5.51) [ø160 (6.30)]		
	Type	Upper	V12 NC turret			Multitasking V12 NC turret						V12		Multitasking V12	
		Lower				V8 NC turret						V10		V10	
	No. of tool stations		U: 12 L: 8			U: 12 (L/M) L: 8			U: 12 (L/M) L: 8			U: 12 L: 10			
	OD Tool shank height	mm (in.)	25 (1)										25 (0.98)		
LIVE TOOLS	Indexing time	sec	0.1 per station												
	Speed	min ⁻¹ (rpm)	-			45 – 6,000						-		45–6,000	
FEED RATES	Rapid traverse	m/min (ipm)	X: 25/Z: 30 (X: 984/Z: 1,181)			X: 25/Z: 30/C: 200 min ⁻¹ (X: 984/Z: 1,181)			X: 25/Z: 30/Y: 12.5/C: 200 min ⁻¹ (X: 984/Z: 1,181/Y: 492)			X: 25 (82) Z: 30 (98) C: 200 min ⁻¹			
	Quill diameter	mm (in.)	-	90 (3.55)		-	90 (3.55)		-	90 (3.55)		ø120 (4.72)			
	Quill bore taper*1		-	MT 5		-	MT 5		-	MT 5		MT No. 5 Revolving center			
	Quill travel	mm (in.)	-	120 (4.72)		-	120 (4.72)		-	120 (4.72)		150 (5.91)			
MOTORS	Spindle*2	kW (hp)	22 / 15 (30 / 20) (30 min/cont)										22 / 15 (30 / 20) [30 min/cont]		
	Live tool	kW (hp)	-			7.1/4.1 (9.5/5.5) (25min/cont)						-		7.5/4.3 (10/5.7) (25 min/cont)	
	Axis drive	kW (hp)	XA: 2.8 (3.7) ZA: 3.5 (4.7) / XB: 2.2 (2.9) ZB: 3.5 (4.7)										XA: 3.5 (4.7), XB: 3.0 (4.0) ZA: 4.6 (6.1), ZB: 4.6 (6.1)		
	Coolant pump	kW (hp)	0.85 (1.14)										2.2 (3)		
SIZE	Height	mm (in.)	2,080 (82)		2,229 (88)	2,080 (82)		2,229 (88)	2,507 (99)		2,677 (105)	2,200 (87)			
	Floor space	mm (in.)	2,950 x 2,050 (116 x 80)		3,950 x 2,280 (156x98)	2,950 x 2,050 (116 x 80)		3,950 x 2,280 (156x98)	2,950 x 2,060 (116 x 81)		3,950 x 2,280 (156x98)	3,570 × 2,310 (140.55 × 90.94) [3,720 × 2,310 (146.46 × 90.94)]			
	Weight (w/ CNC system)	kg (lb)	6,400 (14,080)	6,700 (14,740)	8,300 (18,260)	6,400 (14,080)	6,700 (14,740)	8,300 (18,260)	7,000 (15,430)	7,300 (16,090)	8,800 (19,400)	9,600 (21,120)	9,700 (21,340)		
CNC		Okuma	OSP-P300L												

* L radial turret []: Option