

Item	Model		LB2000 EXII (L)			LB2000 EXII (M)			
			T	C x 300	C x 500	T	C x 300	C x 500	
Capacity	Swing over bed	mm (in.)	ø580 (ø22.83)						
	Swing over saddle	mm (in.)	ø470 (ø18.50)						
	Distance between centers (W specs: DBN)*1	mm (in.)	-	300 (11.81)	540 (21.26)	-	300 (11.81)	540 (21.26)	
	Max turning dia	mm (in.)	ø430 (ø16.93)			ø360 (ø14.17)			
	Max work length	mm (in.)	150 (5.91)	300 (11.81)	500 (16.39)	150 (5.91)	300 (11.81)	500 (19.69)	
Travels	X axis	mm (in.)	260 (10.24)						
	Z axis	mm (in.)	390 (15.35)		565 (22.24)		390 (15.35)		565 (22.24)
	Y axis	mm (in.)	-			-			
	C axis	deg	-			360 (0.001 increments)			
Spindle	Spindle speed	min ⁻¹ (rpm)	50 to 6,000 [45 to 5,000]						
	Speed ranges		2 auto ranges (motor coil switching)						
	Spindle nose		ø140 flat <JIS A2-6>						
	Spindle bore dia / Front bearing dia	mm (in.)	ø62 <ø80>/ø100 <ø120> (ø2.44 <ø3.15>/ø3.94 <4.72>)						
	Sub-spindle	Spindle speed	min ⁻¹ (rpm)	-					
Turret	Type		V12 NC turret			M-V12 NC turret			
	No. of tools		L: 12			L / M: 12			
	OD tool shank	mm (in.)	□ 20 (3/4)						
	ID tool shank dia	mm (in.)	ø32 (ø1-1/4)						
	Turret rotation	sec/index	0.1						
Milling tool	Spindle speed	min ⁻¹ (rpm)	-			45 to 6,000			
	Speed range	infinitely variable	-			Infinitely variable			
Feedrates	Rapid traverse	m/min (ipm)	X: 25, Z: 30 (984, 1,181)						
	Tailstock rapids	m/min (ipm)	-	12 (472)		-	12 (472)		
	Rapid traverse (W)	m/min (ipm)	-						
	Rapid traverse (C)	min ⁻¹ (rpm)	200						
	Cutting (X-Z-Y)	mm/rev (ipr)	0.001 to 1,000.000 (0.00004 to 39.37)						
Tailstock	Tapered bore type (revolving center)		-	MT 4 (revolving center)		-	MT 4 (revolving center)		
	Quill travel	mm (in.)	-	415 (16.34)	515 (20.28)	-	415 (16.34)	515 (20.28)	
Motors	Main spindle	kW (hp)	11/7.5 (15/10) (20 min/cont) [15/11 (20/15) (15 min/cont)] <22/15 (30/20) (30 min/cont)>						
	Sub-spindle	kW (hp)	-						
	Milling tool spindle	kW (hp)	-			5.5/3.7 (7.5/5) (2 min/cont) [7.1/4.1 (9.5/5.5) (25 min/cont)]			
	Axis drive	kW (hp)	X: 2.8 / Z: 3.5 (3.7/4.7)						
	Tailstock travel	kW (hp)	-	2.9 (3.9)		-	2.9 (3.9)		
	Sub-spindle travel	kW (hp)	-						
	Coolant (50 Hz / 60 Hz)	kW (hp)	Side discharge: 0.25/0.25 (0.34/0.34), Rear discharge: 0.55/0.75 (0.73/1)						
	Machine size	Height	mm (in.)	1,839 (72)					
Floor space (Side discharge)		mm (in.)	1,980 x 1,734 (78 x 68)		2,290 x 1,734 (90 x 68)		1,980 x 1,734 (78 x 68)		2,290 x 1,734 (90 x 68)
Floor space (Rear discharge)		mm (in.)	1,890 x 1,984 (74 x 78)		2,200 x 1,984 (87 x 78)		1,890 x 1,984 (74 x 78)		2,200 x 1,984 (87 x 78)
Weight (w/ CNC)		kg (lb)	3,250 (7,150)	3,400 (7,480)	4,300 (9,460)	3,350 (7,370)	3,450 (7,590)	4,350 (9,570)	
CNC		OSP-P300LA							

[]: High-power spindle specs < >: Big-Bore spindle specs

*1. DBN: Distance between nose

Item	Model		LB2000 EX II (MY)			LB2000 EX II (W)	LB2000 EX II (MW)
			T	C x 250	C x 450	W x 500	W x 500
Capacity	Swing over bed	mm (in.)	ø580 (ø22.83)				
	Swing over saddle	mm (in.)	ø470 (ø18.50)				
	Distance between centers (W specs: DBN)*1	mm (in.)	—	250 (9.84)	490 (19.29)	791 (31.14)	791 (31.14)
	Max turning dia	mm (in.)	ø360 (ø14.17)			ø430 (ø16.93)	ø360 (ø14.17)
	Max work length	mm (in.)	150 (5.91)	250 (9.84)	450 (17.72)	—	—
Travels	X axis	mm (in.)	260 (10.24)				
	Z axis	mm (in.)	350 (13.78)		510 (20.08)	565 (22.24)	550 (21.65)
	Y axis	mm (in.)	100 (+50 to -50) (3.94 (+1.57 to -1.57))		120 (+70 to -50) (4.72 (+2.76 to -1.57))	—	—
	C axis	deg	360 (0.001 increments)			—	360 (0.001 increments)
Spindle	Spindle speed	min ⁻¹ (rpm)	50 to 6,000 <45 to 5,000>				
	Speed ranges		2 auto ranges (motor coil switching)				
	Spindle nose		ø140 flat <JIS A2-6>				
	Spindle bore dia / Front bearing dia	mm (in.)	ø62 <ø80>/ø100 <ø120>(ø2.44 <ø3.15>/ø3.94 <ø4.72>)				
Sub-spindle	Spindle speed	min ⁻¹ (rpm)	—		50 to 6,000		
	Speed ranges		—		2 auto ranges (motor coil switching)		
	Spindle nose		—				
	Spindle bore dia / Front bearing dia	mm (in.)	—				
Turret	Type		M-V12 NC turret			V12 NC turret	M-V12 NC turret
	No. of tools		L / M: 12			L: 12	L / M: 12
	OD tool shank	mm (in.)	□20 (3/4)				
	ID tool shank dia	mm (in.)	ø32 (ø1-1/4)				
	Turret rotation	sec/index	0.1				
Milling tool	Spindle speed	min ⁻¹ (rpm)	45 to 6,000			—	45 to 6,000
	Speed range	infinitely variable	Infinitely variable			—	Infinitely variable
Feedrates	Rapid traverse	m/min (ipm)	X: 25, Z: 30, Y: 12.5 (984, 1,181, 492)			X: 25, Z: 30 (984, 1,181)	
	Tailstock rapids	m/min (ipm)	—	12 (472)			—
	Rapid traverse (W)	m/min (ipm)	—			30 (1,181)	
	Rapid traverse (C)	min ⁻¹ (rpm)	200			—	200
	Cutting (X-Z-Y)	mm/rev (ipr)	0.001 to 1,000.000 (0.00004 to 39.37)				
Tailstock	Tapered bore type (revolving center)		—	MT 4 (revolving center)			—
	Quill travel	mm (in.)	—	415 (16.34)	515 (20.28)	—	—
Motors	Main spindle	kW (hp)	11/7.5 (15/10) (20 min/cont) [15/11 (30/15) (15 min/cont)] <22/15 (30/20) (30 min/cont)>				
	Sub-spindle	kW (hp)	—				
	Milling tool spindle	kW (hp)	5.5/3.7 (7.5/5) (2 min/cont) [7.1/4.1 (9.5/5.5) (25 min/cont)]			—	5.5/3.7 (7.5/5) (2 min/cont) [7.1/4.1 (9.5/5.5) (25 min/cont)]
	Axis drive	kW (hp)	X: 3.5 / Z: 4.6, Ys: 3.5 (4.7/6.2/4.7)			X: 2.8 / Z: 3.5 (3.8/4.7)	X: 2.8 / Z: 3.5 (3.8/4.7)
	Tailstock travel	kW (hp)	—	2.9 (3.9)			—
	Sub-spindle travel	kW (hp)	—				
	Coolant (50 Hz / 60 Hz)	kW (hp)	Side discharge: 0.25/0.25 (0.34/0.34), Rear discharge: 0.55/0.75 (0.73/1)				
Machine size	Height	mm (in.)	2,250 (88)			1,839 (72)	
	Floor space (Side discharge)	mm (in.)	2,020 x 1,734 (80 x 68)		2,290 x 1,734 (90 x 68)	2,740 x 1,734 (108 x 68)	
	Floor space (Rear discharge)	mm (in.)	2,020 x 1,984 (80 x 78)		2,250 x 1,984 (89 x 78)	2,650 x 1,984 (104 x 78)	
	Weight (w/ CNC)	kg (lb)	4,050 (8,910)	4,200 (9,240)	4,850 (10,670)	4,600 (10,120)	
CNC		OSP-P300LA					

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