

Name	Model		LB4000 EX II (L)			
			T	C×750	C×1500	C×2000
Capacity	Swing over bed	mm (in.)	ø670 (ø26.38)			
	Swing over saddle	mm (in.)	ø480 (ø18.90)			
	Distance between centers	mm (in.)	—	770 (30.31)	1,520 (59.84)	2,170 (85.43)
	Max turning dia	mm (in.)	ø480 (ø18.90)			
	Max work length	mm (in.)	380 (14.96)	750 (29.53)	1,500 (59.06)	2,150 (84.65)
Travels	X axis	mm (in.)	300 (11.81)			
	Z axis	mm (in.)	840 (33.07)		1,590 (62.60)	2,240 (88.19)
	Y axis	mm (in.)	—			
	C axis	deg	—			
Spindle	Spindle speed	min ⁻¹ (rpm)	42 to 4,200 [30 to 3,000] <12 to 1,400>			
	Speed ranges		2 auto ranges (motor coil switching) <Infinitely>			
	Spindle nose		JIS A2-8 [JIS A2-11] <JIS A2-15>			
	Spindle bore dia / Front bearing dia	mm (in.)	ø91 [ø112] <ø185> / ø140 [ø160] <ø240> <ø3.58 [ø4.41] <ø7.28> / ø5.51 [ø6.30] <ø9.45>			
Turret	Type		V12 NC turret			
	No. of tools		L: 12			
	OD tool shank	mm (in.)	25 × 25 (1 × 1)			
	ID tool shank dia	mm (in.)	ø40 (ø1-1/2)			
	Turret rotation	sec/index	0.2			
Milling tool	Spindle speed	min ⁻¹ (rpm)	—			
	Speed range		—			
Feedrates	Rapid traverse	m/min (ipm)	X: 25, Z: 30 (984, 1,181)			
	Tailstock rapids	m/min (ipm)	—	12 (472)		
	Rapid traverse (C)	min ⁻¹ (rpm)	—			
	Cutting (X-Z-Y)	mm/rev (ipr)	0.001 to 1,000.000 (0.00004 to 39.37)			
Tailstock	Tapered bore type		—	MT 5		
	Quill travel	mm (in.)	—	780 (30.71)	1,530 (60.24)	2,180 (85.83)
Motors	Main spindle (30 min/cont)	kW (hp)	30/22 (40/30) [37/30 (50/40)] <37/30 (50/40)>			
	Milling tool spindle	kW (hp)	—			
	Axis drive	kW (hp)	X: 3.5 / Z: 4.6 (4.73/6.21)			
	Tailstock travel	kW (hp)	—	2.9 (3.9)		
	Coolant (50/60 Hz)	kW (hp)	SD*: 0.25/0.25 (0.34/0.34) RD*: 0.55/0.75 (0.73/1)		SD*: 0.25/0.25 (0.34/0.34)	SD*: 0.55/0.75 (0.73/1)
Machine size	Height	mm (in.)	1,955 (76.97)		2,157 (84.92)	2,005 (78.94)
	Floor space	mm × mm (in.)	3,100 × 1,921 (122 × 76)		4,175 × 2,390 (164 × 94)	5,515 × 2,505 (217 × 99)
	Weight (w/ CNC)	kg (lb)	6,000 (13,200)	6,300 (13,860)	8,200 (18,040)	11,000 (24,200)
CNC			OSP-P300LA			

* SD: Side discharge, RD: Rear discharge

[]: Big-Bore spindle specs < >: Super Big-Bore spindle specs

Name	Model		LB4000 EX II (M)			
			T	C×750	C×1500	C×2000
Capacity	Swing over bed	mm (in.)	ø670 (ø26.38)			
	Swing over saddle	mm (in.)	ø480 (ø18.90)			
	Distance between centers	mm (in.)	—	770 (30.31)	1,520 (59.84)	2,170 (85.43)
	Max turning dia	mm (in.)	ø430 (ø16.93)			
	Max work length	mm (in.)	380 (14.96)	750 (29.53)	1,500 (59.06)	2,150 (84.65)
Travels	X axis	mm (in.)	300 (11.81)			
	Z axis	mm (in.)	840 (33.07)		1,590 (62.60)	2,240 (88.19)
	Y axis	mm (in.)	—			
	C axis	deg	360 (0.001 increments)			
Spindle	Spindle speed	min ⁻¹ (rpm)	42 to 4,200 [30 to 3,000] <12 to 1,400>			
	Speed ranges		2 auto ranges (motor coil switching) <Infinitely>			
	Spindle nose		JIS A2-8 [JIS A2-11] <JIS A2-15>			
	Spindle bore dia / Front bearing dia	mm (in.)	ø91 [ø112] <ø185> / ø140 [ø160] <ø240> (ø3.58 [ø4.41] <ø7.28> / ø5.51 [ø6.30] <ø9.45>)			
Turret	Type		M-V12 NC turret (radial)			
	No. of tools		L / M: 12			
	OD tool shank	mm (in.)	25 × 25 (1 × 1)			
	ID tool shank dia	mm (in.)	ø40 (ø1-1/2)			
	Turret rotation	sec/index	0.2			
	Milling tool	Spindle speed	min ⁻¹ (rpm)	45 to 6,000		
Speed range			Infinitely variable			
Feedrates		Rapid traverse	m/min (ipm)	X: 25, Z: 30 (984, 1,181)		
	Tailstock rapids	m/min (ipm)	—	12 (472)		
	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		—	MT 5		
	Quill travel	mm (in.)	—	780 (30.71)	1,530 (60.24)	2,180 (85.83)
Motors	Main spindle (30 min/cont)	kW (hp)	30/22 (40/30) [37/30 (50/40)] <37/30 (50/40)>			
	Milling tool spindle	kW (hp)	7.5/4.3 (10/5.7) (25 min/cont)			
	Axis drive	kW (hp)	X: 3.5 / Z: 4.6 (4.73/6.21)			
	Tailstock travel	kW (hp)	—	2.9 (3.9)		
	Coolant (50/60 Hz)	kW (hp)	SD*: 0.25/0.25 (0.34/0.34) RD*: 0.55/0.75 (0.73/1)		SD*: 0.25/0.25 (0.34/0.34)	SD*: 0.55/0.75 (0.73/1)
Machine size	Height	mm (in.)	1,955 (76.97)		2,157 (84.92)	2,005 (78.94)
	Floor space	mm × mm (in.)	3,100 × 1,921 (122 × 76)		4,175 × 2,390 (164 × 94)	5,515 × 2,505 (217 × 99)
	Weight (w/ CNC)	kg (lb)	6,000 (13,200)	6,300 (13,860)		8,200 (18,040)
CNC			OSP-P300LA			

* SD: Side discharge, RD: Rear discharge

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Name	Model		LB4000 EX II (MY)			
			T	C×750	C×1500	C×2000
Capacity	Swing over bed	mm (in.)	ø670 (ø26.38)			
	Swing over saddle	mm (in.)	ø480 (ø18.90)			
	Distance between centers	mm (in.)	—	770 (30.31)	1,520 (59.84)	2,170 (85.43)
	Max turning dia	mm (in.)	ø430 (ø16.93)			
	Max work length	mm (in.)	380 (14.96)	750 (29.53)	1,500 (59.06)	2,150 (84.65)
Travels	X axis	mm (in.)	300 (11.81)			
	Z axis	mm (in.)	840 (33.07)		1,590 (62.60)	2,240 (88.19)
	Y axis	mm (in.)	140 (±70)			
	C axis	deg	360 (0.001 increments)			
Spindle	Spindle speed	min ⁻¹ (rpm)	42 to 4,200 [30 to 3,000] <12 to 1,400>			
	Speed ranges		2 auto ranges (motor coil switching) <Infinitely>			
	Spindle nose		JIS A2-8 [JIS A2-11] <JIS A2-15>			
	Spindle bore dia / Front bearing dia	mm (in.)	ø91 [ø112] <ø185> / ø140 [ø160] <ø240> (ø3.58 [ø4.41] <ø7.28>) / ø5.51 [ø6.30] <ø9.45>			
Turret	Type		M-V12 NC turret (radial)			
	No. of tools		L / M: 12			
	OD tool shank	mm (in.)	25 × 25 (1 × 1)			
	ID tool shank dia	mm (in.)	ø40 (ø1-1/2)			
	Turret rotation	sec/index	0.2			
	Milling tool	Spindle speed	min ⁻¹ (rpm)	45 to 6,000		
Speed range			Infinitely variable			
Feedrates		Rapid traverse	m/min (ipm)	X: 25, Z: 30, Y: 12.5 (984, 1,181, 492)		
	Tailstock rapids	m/min (ipm)	—	12 (472)		
	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		—	MT 5		
	Quill travel	mm (in.)	—	780 (30.71)	1,530 (60.24)	2,180 (85.83)
Motors	Main spindle (30 min/cont)	kW (hp)	30/22 (40/30) [37/30 (50/40)] <37/30 (50/40)>			
	Milling tool spindle	kW (hp)	7.5/4.3 (10/5.7) (25 min/cont)			
	Axis drive	kW (hp)	X: 3.5 / Z: 4.6 / Ys: 3.5 (4.73/6.21/4.73)			
	Tailstock travel	kW (hp)	—	2.9 (3.9)		
	Coolant (50/60 Hz)	kW (hp)	SD*: 0.25/0.25 (0.34/0.34) RD*: 0.55/0.75 (0.73/1)		SD*: 0.25/0.25 (0.34/0.34)	SD*: 0.55/0.75 (0.73/1)
Machine size	Height	mm (in.)	2,320 (91.34)		2,522 (99.29)	2,370 (93.31)
	Floor space	mm × mm (in.)	3,100 × 1,921 (122 × 76)		4,175 × 2,390 (164 × 94)	5,515 × 2,505 (217 × 99)
	Weight (w/ CNC)	kg (lb)	6,400 (14,080)	6,700 (14,740)	8,600 (18,920)	12,000 (26,400)
CNC			OSP-P300LA			

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