

SPECIFICATIONS		LB2000 EX	LB2500 EX	LB3000 EX	LB4000 EX
Distance Between Centers	mm (in)	300	300	500 / 1000	750 / 1500
Spec Lineup	mm (in)	M - W - MW - MY	M	M - W - MW - MY - MYW	M - MY
Swing Over Bed / Cover	mm (in)	Ø 580 (22.83)	Ø 580 (22.83)	Ø 580 (22.83)	Ø 670 (26.38)
Saddle	mm (in)	Ø 470 (18.5)	Ø 470 (18.5)	Ø 470 (18.5)	Ø 480 (18.9)
Max Machining Diameter	mm (in)	LØ 430, MØ 360 (16.93, 14.17)	LØ 410, MØ 340 (16.14, 13.39)	LØ 410, MØ 340 (16.14, 13.39)	LØ 480, MØ 430 (18.90, 16.93)
Max Machining Length	mm (in)	300 (11.81)	150 (5.91)	500 / 1,000 (19.69 / 39.37)	750 / 1,500 (29.53 / 59.06)
X Axis	mm (in)	260 (10.24)			300 (11.81)
Z Axis	mm (in)	390 (15.35)	350 (13.78)	565 / 1,065 (22.24 / 41.93)	840 / 590 (33.07 / 23.23)
Y Axis	mm (in)	90 (+50 / -40) (3.54 (+1.97 / -1.57))	-	120 (+70 / -50) (4.72 (+2.76 / -1.97))	140 (±70) (5.51 (±2.76))
Tailstock	mm (in)	415 (16.34)	-	515 / 1,015 (20.28 / 39.96)	780 / 1,530 (30.71 / 60.24)
W Axis	mm (in)	595 (23.43)	-	595 / 895 (23.43 / 35.24)	-
Spindle Nose		Ø 140 flats <JIS A2-6>	JIS A2-6	JIS A2-6 <JIS A2-8>	JIS A2-8 <JIS A2-11>
Thru Hole / Bearing Diameter	mm (in)	62 <80> / 100 <120> (2.36 <3.15> / 3.94 <4.42>)	80 / 120 (3.15 / 4.72)	80 <91> / 120 <140> (3.15 <3.58> / 4.72 <5.51>)	91 <110> / 140 <160> (3.58 <4.33> / 5.51 <6.3>)
Spindle Speeds	min <sup>-1</sup>	50-6,000, 45-5,000	45-5,000	45-5,000, 42-4,200	42-4,200, 30-3,000
Type		V12			
Tool Shank Height / ID	mm (in)	□ 20 / Ø 32 (3/4 / Ø 1.26)	□ 25 / Ø 40 (1 / Ø 1.57)		
Indexing Time	sec	0.14	0.14	0.15	0.24
Live Tool Shank	mm (in)	20 (0.79)			25 (0.98)
Live Tool Spindle Speeds	min <sup>-1</sup>	45-6,000			
Live Center Bore		MT 4	-	MT 5	
Built-In Center Bore		MT 3	-	MT 4	MT 4/5
Quill Diameter	mm (in)	70 (2.76)	-	90 (3.54)	100 (3.94)
Spindle Nose		Ø 140 flats	-	Ø 140 flats	-
Thru Hole / Bearing Diameter	mm (in)	62 / 100 (2.44 / 3.94)	-	62 / 100 (2.44 / 3.94)	-
Spindle Speeds	min <sup>-1</sup>	50-6,000	-	50-6,000	-
RAPID TRAVERSE X-Z-Y	m/min (ipm)	25, 30, 12.5 (984, 1,181, 492)	X-Z: 25, 30 (984, 1,181)	25, 30, 12.5 (984, 1,181, 492)	
Main Spindle	kW (hp)	11/7.5(15/11)<22/15>(15/10)<20/15>(30/20)>	22 / 15 (30 / 22) <30 / 22>	(30 / 20 [40 / 30] <40 / 30>)	30 / 22 <37 / 30> (40 / 30 <50/40>)
Live Tool Spindle	kW (hp)	5.5 / 2.8 (55 min / cont) (7.5 / 3.8)	7.1 / 4.1 (25 min / cont) (9.6 / 5.5)		7.5 / 4.3 (20 min / cont) (10 / 5.8)
Sub-Spindle	kW (hp)	11 / 7.5 (15 / 10)	-	11 / 7.5 (15 / 10)	-
Axis Drives	kW (hp)	X-Y-Z: 2.8, 2.8, 3.5 (3.8, 3.8, 4.8)	X-Z: 2.8, 3.5 (3.8, 4.8)	X-Y-Z: 2.8, 2.8, 3.5 (3.8, 3.8, 4.8)	X-Y-Z: 3.5, 3.5, 4.6 (4.8, 4.8, 6.3)
Coolant Pump (side / rear)	kW (hp)	0.25 / 0.8 (0.34 / 1.09)			
Height	mm (in)	1,839 (72.4)	1,770 (69.69)	1,839 / 1,950 (72.4 / 76.77)	1,955 / 2,180 (76.97 / 85.83)
Floor Space	mm	1,855x1,734	L: 1,590x1,734, M: 1,640x1,734	500: 2,200x1,734, 1000: 3,310x1,895	750: 3,050x1,900, 1500: 4,725x1,900
Weight	kg (lb)	3,200 (7,055)	3,000 (6,614)	4,400 / 5,900 (9,700 / 13,007)	6,200 / 8,500 (13,668 / 18,739)