

	Item	Unit	VTM-1200YB	VTM-2000YB
Capacity	Maximum chuck size	mm (in.)	ø1,250 (49.21)	ø2,000 (78.74)
	Max machining diameter	mm (in.)	ø1,200 (47.24)	ø2,000 (78.74)
	Max swing diameter	mm (in.)	ø1,500 (59.06)	ø2,400 (94.49)
	Max turning length (height)	mm (in.)	1,080 (42.52)	1,400 (55.12)
	Max workpiece load	kg (lb)	3,000 [5,000] [with chuck] (6,600 [11,000])	10,000 (22,000)
Travel	X-axis travel	mm (in.)	1,270 (50)	1,600 (62.99)
	Y-axis travel	mm (in.)	1,000 (-500 to +500) [1,240 (-620 to +620)] (39.37 (-19.69 to +19.69) [-24.4 to +24.4])	1,600 (-800 to +800) (62.99 (-31.50 to +31.50))
	Z-axis travel	mm (in.)	1,080 [1,530] (42.52 [60.24])	1,400 (55.12)
	C-axis travel	deg	360 (minimum control angle 0.001)	
	B-axis travel	deg	150 (-30 to +120) (minimum control angle 0.001)	
Turning spindle	Spindle speed	min ⁻¹	5 to 500 [4 to 400]	4 to 300 [4 to 200]
	Spindle speed ranges		2 auto ranges	
	Max spindle torque	N-m	6,093/4,062 (20 min/cont)	8,415/5,610 (20 min/cont)
	Spindle nose type	mm (in.)	ø380 (14.96) flat	ø1,400 [2,000] (55.12 [78.74]) table
	Spindle bearing ID	mm (in.)	ø260 (10.24)	ø650/ø200 (25.59/7.87)
	Through-hole diameter	mm (in.)	ø160 (6.30)	ø110 (4.33)
Turret (tool spindle)	Turret type		H1, ATC	
	Number of tools mounted in turret		1 (L/M)	
	Tool shank/boring bar shank diameter	mm (in.)	□25 (0.98), □32 (1.26)/ø40 (1.57), ø50 (1.97)	
Milling tool spindle	Maximum spindle speed	min ⁻¹	40 to 10,000	
	Max spindle torque	N-m	505/300/205 (3 min/30 min/cont)	
	Spindle bore dia	mm (in.)	ø90 (3.54)	
ATC	Tool Shank/Pull stud		MAS BT50 [CAPTO C8, HSK-A100]	
	Max tools (magazine capacity)	tool	36 [60, 120]*1	36 [60, 120]
	Max tool diameter	mm (in.)	w/o adjacent tool: ø290 (11.42) [ø250 (9.84)*2], with adjacent tool: ø170 (6.69)	
	Max tool length (from gauge line)	mm (in.)	500 [600] (19.69 [0.78])*3	500 [600] (19.69 [0.78])
	Max tool mass	kg (lb)	30 [40] [66 [88])*3	30 [40] [66 [88])
Feed axis	Feedrate command range	mm/rev	0.001 to 1,000.000	
	Rapid feedrate	m/min	X/Y/Z: 32 (105)	
		min ⁻¹	B: 19.5, C: 20	
Motor	Motor spindle	kW (hp)	OSP: 30/22 (40/30) (30 min/cont), FANUC: 30/22 (40/30) (30 min/cont)	
	Milling tool spindle motor	kW (hp)	OSP: 37/30/22 (50/40/30) (3 min/30 min/cont), FANUC: 37/30/22 (50/40/30) (3 min/30 min/cont)	
	Axis drive motors	kW (hp)	OSP: X: 5.2 (6.9), Y: 4.6 (6.1), Z: 4.6 (6.1) × 2 FANUC: X: 5.0 (6.7), Y: 5.5 (7.5), Z: 5.5 (7.5) × 2	X: 4.6 (6.1) × 2, Y: 4.6 (6.1), Z: 5.2 (6.92) × 2
	B-axis drive motors	kW (hp)	OSP: 4.6 (6.1), FANUC: 5.5 (7.5)	
Machine size	Required floor space (L × W)	mm (in.)	4,273 (168.23) [4,990 (196.46)]	4,967 (195.55)
	Height	mm (in.)	5,512 × 5,471 (217.01 × 215.39)	5,970 × 6,973 (235.04 × 274.53)
	Weight	kg (lb)	28,000 (61,600) [29,500 (64,900)]*4	43,000 (94,600)*4
Control			OSP-P300SA, FANUC 31i-B	

*1: With 120 tool magazine (matrix) specifications, maximum tool length becomes 600 mm × mass 40 kg *2: With 120 tool magazine

*3: With maximum tool length 600 mm × mass 40 kg specifications, the machine has high column specifications

*4: Machine only (includes ATC magazine mass)

[] : Options