

MA-V Series



	ITEM	UNIT	MA-550VB[A] (-S)*	MA0650VB[A] -(S)*
TRAVELS	X axis (table right/left)	mm (in.)	1,300 (900)* (51.58 (35.43))	1,530 (1,100)* (60.23(43.30))
	Y axis (column front/back)	mm (in.)	560 (22.04)	660 (25.98)
	Z axis (spindle head up/down)	mm (in.)	560 (22.04)	610 (24.01)
	Table to spindle nose	mm (in.)	200 ~ 760 (7.87 - 35.03)	380 ~ 1,040 (14.96 ~ 40.94)
	Column front to table center	mm (in.)	330 ~ 890 (12.99 ~ 35.03)	380 ~ 1,040 (14.96 ~ 40.94)
PALLET	Size	mm (in.)	1,300 (1,050)* x 560 (51.18 (41.33) x 22.04)	1,530 (1,300)* x 660 (60.23 (51.18) x 25.98)
	Floor to table	mm (in.)	840 (33.08)	890 (35.04)
	Max load capacity	kg (lb)	1,000 (39.37)	1,500 (59.05)
SPINDLE	Tapered bore		7/24 taper No. 50 [HSK-A63]	
	Bearing ID	mm (in.)	ø100 (ø80) [ø60] (ø3.94 (ø3.15) [ø2.37])	
	Speed	min ⁻¹	6,000 (12,000) [25,000]	
	Speed ranges		2 (invariable) [invariable]	
FEEDRATE	Rapid traverse (X-Y-Z)	m/min (fpm)	X-Y: 40 Z: 30 (X-Y: 131.24 Z:98.43)	
	Cutting federate (X-Y-Z)	m/min (fpm)	30 (98.43)	
MOTORS	Spindle drive	kW (hp)	22/15/11 (30/20/15) {10 min/30 min/cont} [15/11 (20/15) { 10 min/cont}]	
	Axis feed: X/Y/Z	kW (hp)	4.5 / 5 / 5 (6 / 7 / 7)	5 / 5 / 5 (7 / 7 / 7)
ATC	Magazine capacity		32 (48)	
	Tool shank		MAS BT50 [HSK-A-63]	
	Retention knob	tool	TYPE MAS-2 [-]	
	Max tool dia (w/ adjacent tool)	mm (in.)	ø135 (ø5-1/8)	*1
	Max tool dia (w/o adjacent tool)	mm (in.)	ø230 (ø8-5/8) face milling / ø300 (ø11-1/4) boring	*1
	Max tool length/ weight	mm/kg (in/lb)	400/20 [10] (15.74/44 [22])	*2
	Max tool mass moment	N·m (ft·lbf)	29.4 (21.7) [9.8 (7.2)]	*2
SIZE	Height	mm (in.)	2,900 (114.17)	3,150 (124.02)
	Floor space W x D	mm (in.)	3,200 (2,500)* x 2,885 (126 x 112)	3,750 (3,000)* x 3,128 (147 (118)* x 123)
	Weight	kg (lb)	11,800 (11,300)* (29,960 (24,860))	14,000 (13,300)* (30,800 (29,260))
CNC	Okuma		OSP-P200M	

*1. Use only balanced tools and toolholders guaranteed by the tool maker.

(): Optional []: High-speed spindle

*2. When tool with shank is 20 kg (44 lb) [[10 kg (22 lb)], and center of gravity is

*Short table model

150 mm (5.91 in) [100 mm (3.94)] from the gauge line ø69.85 [spindle nose])

