

VERTICAL MACHINING CENTERS



TMV-850A / 920A / 1050A

Standard Model VMC

"850 & 1050" denote X axis stroke

Features

- Big diameter pre-loaded ball screw prohibits heat extension. Coupling of servo motor and ball screw conserves machine rigidity.
- Coolant through spindle eases deep hole drilling process and chip flow.
- High transmission spindle motor power timing belt reduces the motor thermal conductivity to the spindle to prevent the expansion of the spindle.
- The stud pull force is 1000kg. The stud release force is only 250kg. This design could lengthen the lifespan of the spindle bearing.
- Spindle Bearing Protection uses maze type mechanical seal and air-blow to prohibit coolant entry.

Specification

Item	Specification	Unit	TMV-850A	TMV-920A	TMV-1050A
TABLE	Working Area (L x W)	mm	950 x 500	1000x530	1100 x 500
	Max. Table Load	kg	500		
	Table Height	mm	900		
	T-Slot	mm	18 x 100 x 5		
SPINDLE	Spindle Nose		7/24 Taper No.40		
	Spindle Speed	rpm	8000(OPT 10000)		
TRAVEL	X/Y/Z Stroke	mm	850/500/530	920/530/530	1050/500/530
	Spindle Nose to table	mm	100-630		
FEED	X/Y/Z Rapid Traverse	m/min	30/30/24		
	Cutting Feed	m/min	10		
ATC	Tool Shank		MAS-BT40<JIS B6339>		
	Pull Stud		MAS-P40T-1 (45°)		
	Tool Capacity	pc	24		
	Max. Tool Dim	mm	Ø89		
	Max. Tool Dim. (W/O Adjacent tool)	mm	Ø125		
	Max. Tool Length	mm	250	250/300	250
MOTOR	Max. Tool Weight	kg	7	7/15	7
	Spindle Motor(50%ED)	kw	5.5/7.5	7.5/9.0	5.5/7.5
	X/Y/Z Servo Motor	kw	3.0/3.0/4.0		
	Coolant Motor	kw	0.375		
DIMENSION	L x W X H	mm	2000X2870X2810	2400X2670X2920	2400X2870X2810
	Weight	kg	6300	8000/8500	6800