



MV-1000 Vertical machining center



MODEL		MV-1000
Travel		
X travel	mm(inch)	1020(40.2)
Y travel	mm(inch)	510(20.1)
Z travel	mm(inch)	540(21.3)
Spindle nose to table	mm(inch)	100-640(3.92-25.2)
Spindle		
Spindle speed	rpm	8000
Automatic tool changer		
Tool number	no.	16
Max tool diameter	mm(inch)	100(3.9)
Max tool length	mm(inch)	305(12.0)
Max tool weight	kg(lb)	7(15.4)
ATC type		Drum
Tool shank		BT/CAT#540
Motor		
Spindle motor (cont./30min.rated)	kw(hp)	7.5/11(10/14.7)
X/Y/Z servo motor	kw(hp)	1.5/1.5/1.5(2.0/2.0/2.0)
Table		
Table size	mm(inch)	1000x500(39.4-19.7)
Max load capacity	kg(lb)	500(1100)
T-slot (No. x Width x Distance)	mm(inch)	5x18x100(5x0.7x3.9)
Rapid speed		
X rapid speed	M/min(fpm)	24(78.7)
Y rapid speed	M/min(fpm)	24(78.7)
Z rapid speed	M/min(fpm)	20(65.6)
Cutting Feedrate	mm/min(ipm)	1-10000(0.04-39.4)
Controller		
Mitsubishi		M64S
Miscellaneous		
Machine weight	kg(lb)	5800(12800)
Power requirement	KVA	20
Coolant capacity	L	240
Air source	kg/cm ² (psi)	6(85.3)

Standard accessories

- Chips auger
- Full enclosure
- Automatic lubrication system
- Spindle coolant cooling
- Base bolt and pad
- Tools box
- Work light
- Alarm light
- M30 automatic power off
- Chips cart
- Portable air gun
- Portable water gun
- Spindle air seal system
- Mechanical, electrical, operation manuals
- Rigid tapping
- Cabinet heat exchanger
- Mechanical oil-coolant separator
- Automatic tool changer
- Automatic lubrication system
- Telescopic covers

Optional accessories

- Spindle programmable air blow
- Fauc/Mitsubishi/Siemens controller
- Wash-down system
- 4th axis rotary table
- 10000rpm/12000rpm/14000rpm spindle
- Linear scale
- Spindle oil cooling system
- Tool probe system
- Touch sensor system
- Deep drill tools holder
- Disc oil-coolant separator
- Coolant through spindle
- Coolant through ballscrew
- ZF gear box
- X/Y/Z roller guide
- Arm type ATC 24 tool stations
- Z axis with brake (without counterweight)
- Spindle splash ring
- Programmable coolant nozzle
- Portable handwheel