

MV Series

MV-1050 plus

Specifications:

Items	Unit	MV-1050 plus	Items	Unit	MV-1050 plus
X Axis Travel	mm (inch)	1050 (41.34)	Max Cutting	m/min (ipm)	1-10 (40-393)
Y Axis Travel	mm (inch)	600 (23.62)	Tool Changer		
Z Axis Travel (Belt Drive)	mm (inch)	560 (22.05)	Type	--	Arm-Type
Spindle Nose to Table (Belt Drive)	mm (inch)	150 - 710 (5.91-27.95)	Capacity (Standard)	Pocket	24
Spindle Center to Z Axis Guideway	mm (inch)	660 (25.98)	Max Tool Diameter (Full/Adjacent Empty)	mm (inch)	ψ105/ψ220 (4.134 / 8.66)
Table			Max Tool Length	mm (inch)	350 (13.78)
Table Dimensions	mm (inch)	1200 x 600 (47.24 x 23.62)	Max Tool Weight	kg (lbs)	15 (33.07)
Max Weight on Table	kg (lbs)	1000 (2204)	Tool-to-Tool	sec	2.45
T-Slot Dimensions (Width x Number x Center Distance)	mm (inch)	18 x 6 x 100 (0.71 x 0.4 x 3.94)	General		
Spindle			Coolant Capacity	Liter	300
Drive System	-	Belt Drive	Lubrication Oil Capacity	Liter	4
Max Speed	rpm	6000	Power Required	kVA	30
Taper	#	BT#50	Air Required	Kgf/cm ² (psi)	6 (100)
Spindle Motor			Machine Weight (Net)	kg (lbs)	6300 (13889)
Max Rating (Con./30 Min.)	Kw(HP)	15 / 18.5 (20 / 24.8)	Machine Dimensions (L/W/H)	mm (inch)	3000x2280x2450 (118.1 x 89.8 x 96.5)
Max Torque	Nm	95.5	Floor Plan (L/W/H)	mm (inch)	5000x3900x3200 (196.9 x 153.5 x 126)
Max Torque of Feeding Motors	Nm kW	22.5 / 22.5 / 37.2 3.0 / 3.0 / 4.5B			
Feedrates					
Rapids (X/Y/Z)	m/min (ipm)	36 / 36 / 36 (1417 / 1417 / 1417)			

► Standard Features

1. Mitsubishi Control M70A
2. BT#50/6000rpm/Belt Drive Spindle
3. Arm Type Tool Changer, 24 Tools
4. Spindle Oil Cooler
5. Air Nozzle
6. Axes Auto Lubrication
7. Full Enclosed Splash Guard
8. Coolant System
9. Circular Coolant Nozzles
10. Chip Removal System (Hinged Type) and Bucket Cart
11. Standard Coolant Tank
12. Manual Pulse Generator
13. Coolant Gun and Air Gun
14. Heat Exchanger on Electrical Cabinet
15. Rigid Tapping
16. M30 Automatic Power off
17. Work Lights
18. Signal Light
19. Ethernet and RS-232 Interface
20. Manual Tool Release
21. Tools and Tool Box
22. Leveling Screws and Pads
23. Transformer
24. User's Manual and Electrical Diagrams
25. Rollers Linear Ways for 3 axes

► Options

1. Siemens 828D Control
Fanuc 0i-MD Control
2. Through-Spindle Coolant
3. Through-Tool Holder Coolant
4. Oil Mist Nozzle
5. Linear Scales
6. Oil Skimmer
7. Side Flush System
8. Door Interlock
9. Automatic Tool Probing System
10. Automatic Work Probing System
11. Rotary Table (4th Axis)