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ACER Vertical Machining Center

w/ Fanuc Oi-MF CNC Control / A Total Digital Solution



VMC 2035



VMC 2243

SPECIFICATIONS

Model		VMC 2035	VMC 2243	
Travel	Max. Travel Fox X Axis	35.43" (900mm)	43.31" (1,100mm)	
	Max. Travel Fox Y Axis	20.47" (520mm)	23.62" (600mm)	
	Max. Travel Fox Z Axis	22.05" (560mm)	24.02" (610mm)	
	Spindle Nose to Table	4.73"~26.77" (120~680mm)	4.92"~28.54" (125~725mm)	
Table	Table Size L×W	43.31"×20.47" (1,100×520mm)	47.24"×23.62" (1,200×600mm)	
	Max. Table Load	1,320 lbs (600kgs)	2,640 lbs (1,200kgs)	
	T-Slot (Center×Width×No.)	3.94"×0.71"×5 (100mm×18mm×5)	3.94"×0.71"×5 (100mm×18mm×5)	
	Spindle Center to Slideways of Column	22.44" (570mm)		
Spindle	Tool Shank	CAT#40 (BT#40 Option)		
	Spindle Motor	10HP/15HP (30 min) / 7.5/11KW (30 min)		
	Spindle Speed RPM	10,000 (12,000 Option, Other Spindle Speeds Upon Request!)		
	Spindle Servo Drive	Timing Belt		
	Spindle ID	2.56" (65mm)		
Feed Rate	X Rapid Travel	1181.1"/min (30M/min)		
	Y Rapid Travel	1181.1"/min (30M/min)		
	Z Rapid Travel	1181.1"/min (30M/min)		
	Cutting Feed Rate	0~400 ipm (1~10,000 mm/min)		
	X / Y / Z Servo Motor	1.6/4.0/4.0KW	3.0/4.0/4.0KW	
		2.15/5.36/5.36HP	4.02/5.36/5.36HP	
	Leadscrew Diameter X, Y, Z	1.5748" (40mm)		
	Linear Guideway Width X, Y, Z	1.38"/1.77"/1.77" 35/45/45mm	1.77"/1.77"/1.77" 45/45/45mm	
Servo Drive X, Y, Z	Direct Drive			
ATC System	Tool Capacity	Arm Type 24 (30 Option)		
	Max. Tool Diameter When Alternate Number with Tool	5.12" (130mm)		
	Max. Tool Diameter	3.74" (95mm)		
	Max. Tool Length	11.81" (300mm)		
	Max. Tool Weight	17.6 lbs (8kgs)		
	Tool to Tool	5.5 sec		
	Chip to Chip	7.5 sec		
Magazine Tool Selection	Bi-directional			
Machine Accuracy	Positioning Accuracy	±0.0002" (±0.005mm)		
	Repeatability Accuracy	±0.00012" (±0.003mm)		
Floor Space	Machine Height	111.89" (2,824mm)		
	Floor Space	107.09"×86.62" (2,720×2,200mm)	118.9"×86.62" (3,020×2,200mm)	
	Machine Weight	12,100 lbs (5,500kgs)	14,300 lbs (6,500kgs)	
Other	Air Requirement	85psi (6kg/cm ²)		
	Power Requirement (3P Only)	26.82HP (20KVA)	40.23HP (30KVA)	
CNC Controller	Fanuc, Fagor & Other CNC Controllers Available Upon Request!			

Note: The manufacturer reserves the right to modify the design, specification, mechanisms, etc., to improve the performances of the machine without notice. All the specifications shown here are for reference only.

Standard Accessories:

1. Full Enclosure Splash Guard
2. Rotational Control Panel
3. XYZ with Telescopic Way Cover
4. XYZ with Linear Guideways and C3 Precision Ball Screws
5. 10,000 RPM Spindle at 15HP
6. 24 Tool Side Mount Automatic Tool Changer
7. Coolant System with Coolant Pump
8. Rear Flush Coolant System
9. Air and Coolant Gun for Parts
10. Screw Type Chip Conveyor System with Cart (Chip Auger)
11. Spindle Air Blast System
12. LED Work Light
13. Three Color Warning Light
14. Rigid Tapping
15. Spiral Chip Removal Ability
16. Forward Read Work Program Ability
17. M30 Command
18. RJ 45 Adapter
19. RS232 Adapter
20. CF Card Reader
21. Manual Pulse Generator
22. 10.4" LCD Display
23. Operation Manual
24. Leveling Screws and Pads
25. Tool with Tool Box
26. Automatic Lubrication System
27. Heat Exchanger Within Electric Cabinet
28. Tool Change Floating Device

Optional Accessories:

1. 20 Bar Thru Spindle Coolant System
2. 12,000 RPM Spindle (Other Spindle Speeds Upon Request!)
3. Chain Type Chip Conveyor System
4. Tool and Workpiece Probe
5. Oil Skimmer
6. Extra 8 M Codes
7. 4th Axis
8. Main Power Transformer
9. 30 Tools Side Mount Automatic Tool Changer
10. Three Axes Digital Scale
11. Ring Splash Coolant System
12. Spindle Oil Chiller (Cooler) System
13. Manual Guide i
14. Data Server
15. AICC II
16. Upgrade 20HP Spindle Motor

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