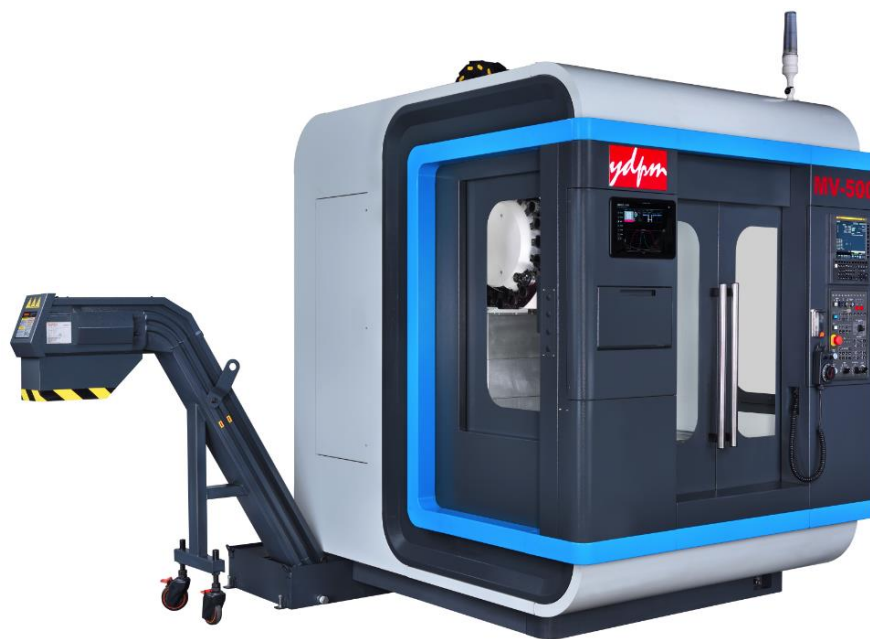


MV-500

DATA SHEET



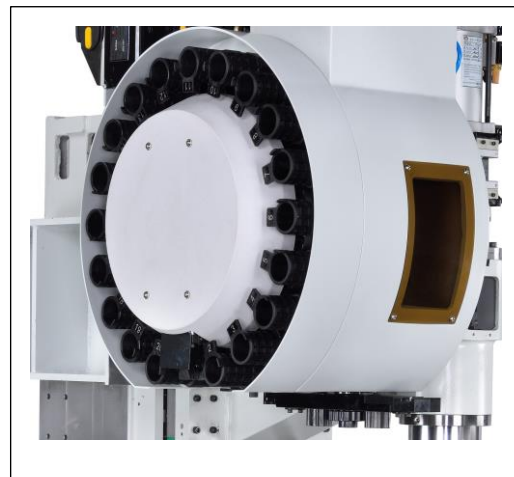
■ Specification of machine

ITEM		UNIT	MV-500
Table	Table dimension	mm	600 x 500
	Working area	mm	500x500
	T-slot	mm	3x18xP125
	Number of work table	pcs	1
	Max. loading capacity	kg	500
Travel Range	Max. travel range of X/Y/Z-axis	mm	500 / 500 / 500
	Distance from spindle nose to table surface	mm	100-600
	Distance from spindle center to column	mm	600
Spindle	Spindle taper		ISO 40
	Spindle bearing inner diameter	mm	60
	Spindle speed	rpm	STD: 12,000rpm belt type
Feedrate	Feedrate of X/Y/Z-axis	m/min	30/30/30
	Slideways of X/Y/Z-axis		Linear guide
	Rapid traverse of X/Y/Z-axis	m/min	1~10,000
Tool Magazine	Tool capacity	pcs	STD: 20 (arm)
	Tool selection		Random
	Max. tool dia. x length	mm	Φ75 x 190
	Max. tool weight	kg	7
	Tool shank		BT40
Drive Motor	Spindle drive motor	kw	β6/12000 (5.5/7.5kw)
	Servo motors of X/Y/Z-axis	kw	X/Y: β8/4000 (1.2kw) ; Z: β22B/4000(3kw)
	Coolant pump	W	850
	Wash down pump	W	850
	Chip conveyor motor	W	200
Accuracy	Positioning	mm	±0.004
	Repeatability	mm	±0.003
Ball screw	Diameter	mm	X/Y: Φ32xP10 ; Z: Φ40xP10
Guide ways	Type		Linear guide way
	Width of guide way for X/Y/Z axis	mm	X/Z: 30 ; Y: 32
	Distance between rail center X	mm	290
	Distance between rail center Y	mm	530
	Distance between rail center Z	mm	285
Miscellaneous	Power requirement	KVA	380-415 / 220V (15KVA)
	Floor area (L × W × H)	mm	3,450 x 3,299 x 2,766 (w/ chip conveyor)
	Net weight (approx.)	kg	3,200
	Gross weight (approx.)	kg	3,450

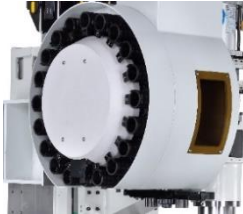
■ Standard accessories:

- | | |
|--|---|
| 1. Fanuc Oi-MF PLUS(3), 10.4" LCD | 13. End of program light (three colors) |
| 2. Fanuc manual guide Oi function +AICC II | 14. Portable MPG |
| 3. BT40 Spindle speed 12000rpm belt type | 15. M80 auto power off |
| 4. Spindle oil cooler | 16. Level bolt and pads |
| 5. 20 Tool arm type tool magazine | 17. YIDA manuals (Operator & maintenance, parts list, electrical drawing) |
| 6. Coolant and chip flush system | 18. Fanuc manual (CD format) |
| 7. Spindle coolant ring | 19. 1 year machine parts warranty |
| 8. Heat exchanger for electrical cabinet | 20. 2 years controller warranty |
| 9. Full enclosure splash guard | 21. Transformer |
| 10. Work lamp | |
| 11. Rigid tapping | |
| 12. Auto lubrication system | |

Arm type tool magazine	
Tool positions	20 pcs
Max. tool length	190mm
Max. tool weight	7kgs
Max. tool diameter	Φ75/Φ150mm
Tool change time(T-T)	1.5 sec.



■ Standard accessories - pictures

		
Splash guard + Coolant system + chip conveyor with cart	Fanuc Oi-TF plus (3), 10.4" LCD controller system with Yida control panel	Telescopic cover on X/Y/Z axis
		
Belt type spindle speed 12000rpm with 4 cooling spray nozzles	Portable MPG	RS232 & RJ45 ports
		
Linear guide way	Work light	20T arm type tool magazine
		
Spindle oil cooler	Heat exchanger in electrical cabinet	Air unit and Lubricator



Chip flushing in front of both sides



Yida manual & controller manual (CD)



Transformer



Coolant tank + Chip tray



Tool kits



End of program light(three colors)



Leveling bolts and pads (each 6pcs)



■ Available optional accessories - pictures



Air conditioner for electrical cabinet



RENISHAW OMP60 workpiece measurement



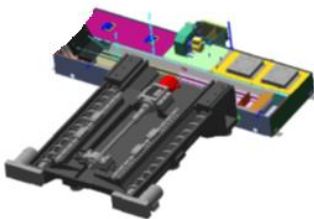
RENISHAW TS-27R tool setter



Oil & Mist collector



CNC Rotary Table



Twin screw type chip conveyor



Twin screw type chip conveyor + chain type chip conveyor+chip cart



Oil sikkmer

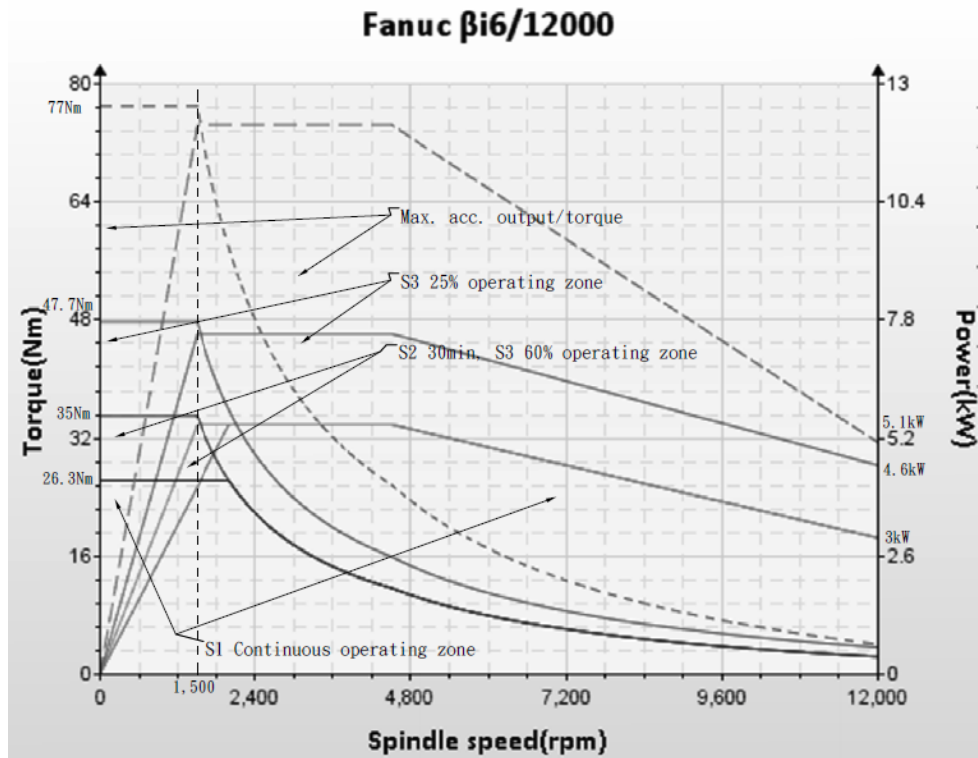


Spin window

(During the machining process, there's no need to open the door. Instead, a rotating window is utilized to observe the internal machining conditions, ensuring operational safety)

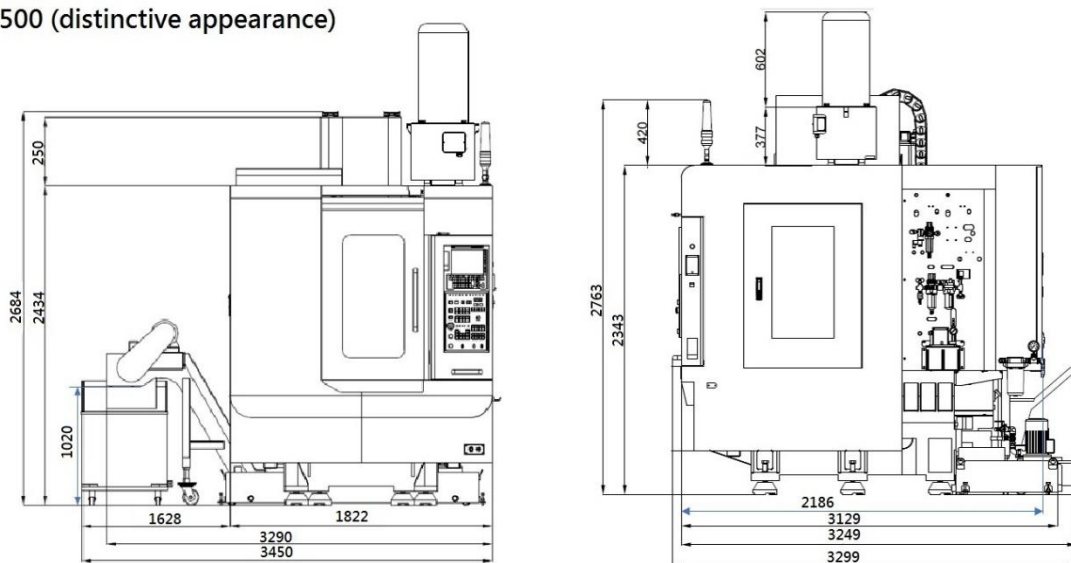
Model		200-A1
Initialization mode	Window	Pneumatic
	Pedestal	210 m/m
Size	Gross thickness	240 m/m
	Glass	44 m/m
Thickness		3 m/m
	Rpm in Pressure 2kg/cm ² (No-load)	3,200rpm
Supply air pressure		2~2.8 bar
Weight		1.35 kg

■ Spindle power and torque chart



■ Dimension of machine

MV-500 (distinctive appearance)



■ Foundation

MV-500

