



24 TOOLS MAGAZINE

SPECIFICATION

MODEL	MCV1000
Travel	
X-Axis	1,020 mm (40.2")
Y-Axis	510 mm (20")
Z-Axis	510 mm (20")
Spindle nose to table	120 ~ 630 mm (4.7 ~ 24.8")
Table	
Table size	1150 X 500 mm (45.3X19.7")
Floor to table	800 mm(31.5")
Max. table loading capacity	1,000 kgs(2200Lbs)
T-slot (no x Width x Pitch)	5 X 18 mm X 100 mm (5 X 0.7" X 3.9")
Spindle center to column	510 mm (20")
Feed system	
Rapid traverse speed	X/Y: 20 M/min (787.4"/min), Z:18 M/min (708.7"/min)
Feed motor(FANUC)	X/Y: 2.5kW (20 Nm) , Z: 3.0kW (36 Nm) servo motor: X/Y: Beta 22i / Z: Beta 40iB
Ball screw diameter & pitch	X/Y/Z: 40 mm / 10mm(1.6"/0.4") servo motor: X/Y: Beta 22i / Z: Beta 40iB
Cutting feedrate	1~10,000 mm/min(0.04 ~ 393.7"/min)
Type of transmission	Direct Drive
Spindle	
Type of tool shank	BT 40 / CAT 40 / DIN 69871A
Max. spindle speed	8,000 rpm / 10,000 (Op)

Spindle motor	11 /15 kW
Type of transmission	Belt
ATC	
Tool storage capacity (Arm-Less)	24 tools (Op)
ATC type	Armless type
Max. tool diameter	95 mm(3.7")
Without adjacent tool	156 mm(6.1")
Max. tool length	300 mm(11.8")
Max. tool weight	7 kgs(15Lbs)
Tool changing time (Tool to Tool)	3.2 sec
Tool changing time (Chip to Chip)	5.5 sec
Method of tool selection	random selection
	bi-directional magazine rotation
Tool display	Yes
Special tool management	Yes
Coolant system	
Coolant tank size	450 L
Coolant capacity	95 L / min
Chip Flush capacity	105 L / min
Machine size	
Machine height	2,575 mm (101.3")
Floor space	4,085mm(160.8")(W) X 2293 mm(90.2")(D)
weight	5,000 kgs (11000Lbs)
Power source	
Electrical power supply	20 KVA / 3PH, 220V 50/60HZ
Compressed air supply	6.0 kgf/cm ² (85psi) (0.6MPa)
Controller	
	FANUC / MITSUBISHI / SIEMENS

Edition / A01

* Specifications may differ according to option accessories and are subject to change without notice.

Standard accessories

- Arm type ATC (24 tools)
- 8,000rpm spindle (Belt type)
- Spindle coolant system
- Automatic lubrication system
- Portable electronic handwheel (FANUC)
- Working light
- Alarm light

Optional accessories

- 10,000 rpm spindle (Belt type)
- Spindle chiller
- Preparation for coolant through spindle system
- Coolant through spindle system
- Spindle air blow
- Flat type chip conveyor
- 4th or 4+5th axis rotary table

- Spiral type chip conveyor
- Coolant gun

- Heidenhain 3-Axis linear scale
- Working piece measurement system
- Tool length measurement system
- Heat exchanger on electrical cabinet
- Power transformer
- CE (Safety door interlock)
- Oil skimmer
- Riser block 80mm
- Riser block 180mm
- Air gun