

- **Rigid tapping 4000 RPM.**
- **Direct drive spindle for high speed machining, excellent accuracy and best performance of spindle motor.**
- **Optional arm type ATC with high efficiency of tool changing.**
- **Standard roller bearings linear guide ways offer stability while high-speed 3 axes movements.**
- **MEEHANITE casting structure absorbs vibration to maintain rigidity.**



MAGAZINE

- 14 Tools turret type ATC.



- 20 Tools arm type ATC (Option)



DIRECT DRIVE SPINDLE

- Easy for after service
- Low noise and low vibration
- coolant Through Spindle 15,000 rpm (Option)

SPECIFICATION

MODEL	VT18	
Travel		
X-Axis	450 mm(17.71")	
Y-Axis	300 mm(13.77")	
Z-Axis	14T: 360 mm (14.17")	20T: 385 mm (15.15") / 485 mm (9.29") (option)
Spindle nose to table	180 mm (7.08")	
Table		
Table size	500 mm x 350 mm (19.68~13.77")	
Floor to table	850 mm (33.46")	
Max. table loading capacity	150kgs (330 Lbs)	
T-slot (number x width x pitch)	3 x 18 mm x 100 mm(3x0.7" x 3.93")	
Spindle center to column	417 mm (16.41")	

Feed system		
Rapid traverse speed	X/Y/Z: 48 / 48 / 36 M/min	
Feed motor (FANUC)	(FANUC) X/Y : β 4i-4000X / Z: β 8i-3000X	
Ball screw diameter & pitch	X: 25mm / 12mm (0.98/0.47") Y: 25mm / 12mm (0.98/0.47") Z: 30mm / 12mm (1.18/0.47")	
Cutting feed rate	12 mm/min("/min)	
Type of transmission	Direct mounting	
Spindle		
Type of tool shank	BT 30 / DIN 30	BT 30 / DIN 30
Max. spindle speed	FANUC: 10000 / 15000 rpm (Option: CTS)	
Spindle motor	FANUC: β 3-10000i / α T2-15000i rpm	
Type of transmission	Direct Drive	
ATC		
Tool storage capacity	14 T	20 T (Option)
ATC type	Turret Type	Arm Type
Max. tool diameter	90 mm (3.54")	69 mm (2.72")
Without adjacent tool	150 mm (5.9")	135 mm (5.31")
Max. tool length	200 mm (7.87")	200 mm (7.87")
Max. tool weight	3 kg (6.61 Lbs)	3 kg (6.62 Lbs)
Tool changing time (Tool to Tool)	1.8 sec	0.7 sec
Tool changing time (Chip to Chip)	2.8 sec	2 sec
Method of tool selection	By address code	Random selection
	bi-directional magazine rotation	
Tool display	None	
Special tool management	Yes (except FANUC 0I-Mate D)	
Coolant system		
Coolant tank size	200 L	
Coolant capacity	150 L / min	
Chip Flush capacity	150 L / min	
Machine size		
Machine height	2145 mm (84.4")	
Floor space	1500 x 2159 mm (59" x 85")	
Weight	2600 kgs (5320 Lbs)	
Power source		
Electrical power supply	10 KVA / 3 PH , 220V 50/60HZ	
Compressed air supply	6.0 kgf/cm ² (85psi (0.6MPa)	
Controller		
	FANUC	

Edition / A01

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

Standard accessories

- Alarm light
- Working light

Optional accessories

- Auto door
- 4th or 4+5th axis rotary table

- Turret type (14 Tools)
- Spindle coolant system
- Automatic lubrication system
- 10,000 rpm spindle (Direct drive)
- Drawer type chipcollector
- Fixed handwheel

- Arm type ATC (20 tools)
- Arm type ATC (20 tools), Z travel 485mm
- Spindle chiller
- Door lock
- Coolant gun
- Air gun
- Top enclosed cover
- Riser block 200mm
- Spindle air blow.