

Machine Specification	VT18	
<b>Travel</b>		
X-Axis	450 mm (17.71")	
Y-Axis	300 mm (13.77")	
Z-Axis	14T : 270mm (10.62")	
Spindle nose to table	180 mm (7.08")	
<b>Table</b>		
Table size	500 mm x 350 mm (19.68 ~13.77")	
Floor to table	850 mm (33.46")	
Max. table loading capacity	150 kgs ( 330 Lbs )	
T-slot (number x width x pitch)	3 x 18mm x 100mm (3 x 0.7" x 3.93")	
Spindle center to column	417 mm (16.41")	
<b>Feed system</b>		
Rapid traverse speed	X / Y / Z : 48 / 48 / 36 M/min	
Feed motor (FANUC)	(FANUC)X / Y : $\beta$ 4i-4000X / Z : $\beta$ 8i-3000X	
Ball screw diameter & pitch	X : 25 mm /12 mm (0.98/0.47") Y : 25 mm /12 mm (0.98/0.47") Z : 30 mm /12 mm (1.18/0.47")	
Cutting feed rate	12 mm/min("/min)	
Type of transmission	Direct Drive	
<b>Spindle</b>		
Type of tool shank	BT 30 / DIN 30	BT 30 / DIN 30
Max. spindle speed	FANUC : 10000 / 15000 rpm (Option: CTS)	
Spindle motor	FANUC : $\beta$ 3-10000i / $\alpha$ T2-15000i rpm	
Type of transmission	Direct Drive	
<b>ATC</b>		
Tool storage capacity	14 T	20 T (Option)
ATC type	Turret type	Arm type
Max. tool diameter	90 mm (3.54")	80 mm (3.15")
Without adjacent tool	150 mm ( 5.9")	150 mm ( 5.9")
Max. tool length	200 mm (7.87")	200 mm (7.87")
Max. tool weight	3 kg (6.61 Lbs)	4 kg (8.82 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	Random selection bi-directional magazine rotation	
Tool display	Yes	
Special tool management	Yes	
<b>Coolant system</b>		
Coolant tank size	200 L	
Coolant capacity	150 L / min	
Chip Flush capacity	150 L / min	
<b>Machine size</b>		
Machine height	2145 mm (84.4")	
Floor space	1500 x 2159 mm (59" x 85")	
weight	2600 kgs (5320 Lbs)	
<b>Power source</b>		
Electrical power supply	10 KVA / 3 PH $\cdot$ 220V50/60HZ	
Compressed air supply	6.0 kgf/cm <sup>2</sup> (85psi) (0.6MPa)	
Controller	FANUC	

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

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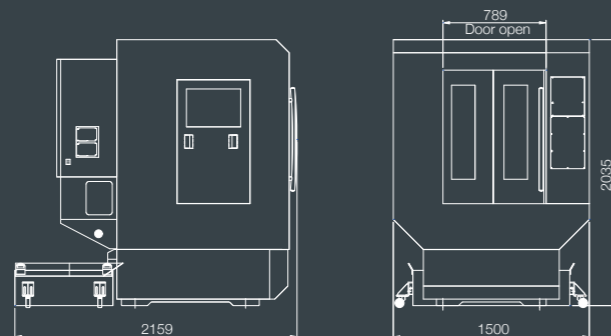


Roller Guide System

# VT 18

## DRILLING & TAPPING CENTER

09021001 / MacdS, TEL:0424753426



# VT18

## ENCLOSED SPLASH GUARD



### 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)



- Rigid tapping 4000RPM.
- 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.

### AUTOMATIC LUBRICATION UNIT

- Excellent lubrication to all blocks and ball screws



### COOLANT TANK: 200L

