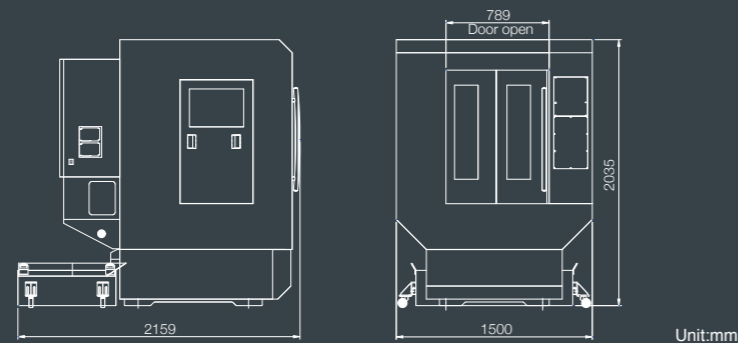


Machine Specification	VT18	
Travel		
X-Axis	450 mm (17.71")	
Y-Axis	300 mm (13.77")	
Z-Axis	14T : 270mm (10.62")	
Spindle nose to table	180 mm (7.08")	
Table		
Table size	500 mm x 350 mm (19.68 ~13.77")	
Floor to table	850 mm (33.46")	
Max. table loading capacity	150 kgs (330 Lbs)	
T-slot (number x width x pitch)	3 x 18mm x 100mm (3 x 0.7" x 3.93")	
Spindle center to column	417 mm (16.41")	
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 : 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	
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")	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	
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 \cdot 220V50/60HZ	
Compressed air supply	6.0 kgf/cm ² (85psi) (0.6MPa)	
Controller	FANUC	

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

Edition/ A00



Roller Guide System

VT 18

DRILLING & TAPPING CENTER

LONG CHANG MACHINERY CO., LTD.

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

