

High Speed Machining Centres

AJVT18



Ajax Machine Tools

Machine Tool Exporters to the World

▶ ▶ ▶ High Speed Machining Centres

AJVT18

The new VT18 is an excellent high speed drilling and tapping machine. With high speeds of 48 m/min it can tackle any job with speed and precision, it can also be used for Milling applications where required.



AJVT18

48M rapids



MODEL**AJVT18****Travel**

X-Axis	450 mm(17.7")
Y-Axis	300 mm(13.8")
Z-Axis	14T : 270 mm(10.6")
Spindle nose to table	180 mm(7.1")

Table

Table size	500 X 350 mm (19.7 X13.8")
Floor to table	850 mm (33.5")
Max. table loading capacity	150 kgs (330 Lbs)
T-slot (no x Width x Pitch)	3 X 18 mm X 100 mm (3 X 0.7 X 3.9")
Spindle center to column	417 mm (16.4")

Feed system

Rapid traverse speed	X / Y / Z: 48 / 48 / 36 M/min
Feed motor (FANUC)	X / Z: β 4i-4000X / Z: β 8i-3000X
Ball screw diameter & pitch	X: 25 / 12mm (.98/0.47") Y: 25 / 12mm(.98/0.47") Z: 30 / 12mm(1.18/0.47")
Cutting feedrate	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: 10,000 / 15,000 rpm (Option: CTS)	
Spindle motor	FANUC: β 3-10000i / α T2-15000i rpm	
Type of transmission	Direct Drive	

ATC

Tool storage capacity	14T	20T (Op)
ATC type	Turret Type	Arm type
Max. tool diameter	90 mm (3.5")	80 mm (3.1")
Without adjacent tool	150 mm (5.9")	150 mm (5.9")
Max. tool length	200 mm (7.9")	200 mm (7.9")
Max. tool weight	3 kgs (6.6 Lbs)	4 kgs (8.8 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	105 L / min
Chip Flush capacity	105 L / min

Machine size

Machine height	2145 mm (84.4")
Floor space	1500 x 2159mm (59" x 85")
Weight	2600 kgs (5320 Lbs)

Power source

Electrical power supply	10 KVA / 3PH, 220V 50/60HZ
Compressed air supply	6.0 kgf/cm ² (85psi) (0.6MPa)

Controller

FANUC



Ajax Machine Tools International Ltd

Unit 360, Ampress Lane, Ampress Park,
Lymington, Hampshire SO41 8JX

Tel: +44 (0)1590 676000

Fax: +44 (0)1590 676001

www.ajax-mach.co.uk

sales@ajax-mach.co.uk

