

SPECIFICATIONS

Description	1418VMC(#40)	1418VMC- <i>plus</i> (#30)
Control system	FANUC,SIEMENS	FANUC
Table		
Table Size	27.6"x 12.6" (700 x 320 mm)	
T-Slots (no. x w x dis.)	3"x 0.55"x 4.3" (3 x 14 mm x 110 mm)	
Table Load	331 lbs (150 kg)	
Travel		
X Travel	17.7" (450 mm)	
Y Travel	13.8" (350 mm)	
Z Travel	15" (380 mm)	
Spindle		
Spindle Nose to Table	5.3"-20.3" (135-515 mm)	5.9"-20.9" (150-530 mm)
Spindle Center to Column	16.9" (430 mm)	15.7" (400 mm)
Spindle Taper	#40	#30
Spindle Speed	10000 rpm (opt. 12000 rpm)	150-15000 rpm (opt. 12000 rpm)
Feed Rates		
Rapid on (X/Y/Z) Axes	1417 IPM (36 m/min.)	
Cutting Feed Rate	0.04-394 IPM (1-10000 mm/min.)	
Accuracy		
Positioning	JIS $\pm 0.0002"$ (± 0.005 mm) VDI 3441	
Repeatability	JIS $\pm 0.0001"$ (± 0.003 mm) VDI 3441	
Tool Changer		
Tool Capacity	12	16
Tool Shank	BT40 or CT40	BT30
Tool Change Time	T-T : 6 sec, C-C : 10 sec	T-T : 0.8 sec, C-C : 2 sec
Pull Stud	JMBTA Standard 45 °	P30T-1
Max. Tool Diameter	3.9" (100 mm)	2.4" (60 mm)
With Neighbor Tool		
Max. Tool Weight	11 lbs (5 kg)	4.4 lbs (2 kg)
Motor		
Spindle Motor	FANUC : 7.4 HP (5.5kw) SIEMENS :11.4HP (8.5kw)(S6-60%)	5 HP (15min) for 15000rpm opt. 7.5HP (30min) for 12000rpm
Drive Motor (X/Y/Z)	X,Y: 1.3HP (0.9kw) Z:1.9HP (1.4kw)	
Coolant Pump	1/2 HP (0.38kw)	
General		
Power Required	10 kVA	15 kVA
Air Required	80PSI (5 kg / cm ²), 200L / min	
Floor Space (L x W x H)	96.5" x 61" x 86.6" (2450 x 1550 x 2200 mm)	
Machine Net Weight, approx	4400 lbs (2000kg)	

*Notice: The manufacturer reserves the right to modify the design, specifications, mechanisms...etc. of the machine without notice.
All the specifications shown above are just for reference.*