

Product Specifications

WELE - MT-W Series MT-16W / MT-20W

Specification/ Machine model	Unit	MT-16W	MT-20W
X axis travel	mm (in)	2800 (110.2)	3200 (125.9)
Y axis travel	mm (in)	3060 (120.4)	3500 (137.7)
Z axis travel	mm (in)	800 (31.4)	
W axis travel	mm (in)	1000 (39.3)	
Max. diameter	mm (in)	1600 (62.9)	2000 (78.7)
Max.turning radius of gyration of area	mm (in)	2100 (82.6)	2500 (98.4)
Max. height of turning	mm (in)	1700 (66.9)	
Max. width of milling	mm (in)	2300 (90.5)	2700 (106.2)
Max. height of milling	mm (in)	1800 (70.8)	
Table loading	kg (lb)	12000 (26455)	15000 (33069)
Spindle motor power	kW (HP)	22/26 (30/35)	
The highest rotational speed of Vertical milling	rpm	10-6000 (0.39-236.2)	
The highest rotational speed of Horizontal milling	rpm	10-2400 (0.39-94.4)	
Spindle taper		BBT50	
Rapid feedrate - X axis	mm(in)/min	18000 (708.6)	15000 (590.5)
Rapid feedrate - Y axis	mm(in)/min	18000 (708.6)	15000 (590.5)
Rapid feedrate - Z axis	mm(in)/min	15000 (590.5)	
Rapid feedrate - W axis	mm(in)/min	3000 (118.1)	
Cutting federate	mm(in)/min	1-10000 (0.04-393.7)	
Capacity of tool magazine	pcs	60	
Max. diameter of tool / Adjacent pocket empty	mm (in)	127/215 (5/8.4)	
Max. length of tool	mm (in)	400 (15.7)	
Max. weight of tool	kg (lb)	20 (44)	
Positioning accuracy (JIS 6338)	mm (in)	±0.015(0.000591)/ full travel	
Positioning accuracy (VDI/DGQ 3441)	mm (in)	P=0.019(0.000748)/ full travel)	
Repeatability accuracy (JIS 6338)	mm (in)	±0.005 (0.000197)	
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	Ps=0.015 (0.000591)	
Length of the machine	mm (in)	9990 (393.3)	10990 (432.6)
Width of the machine	mm (in)	7650 (301.1)	8050 (316.9)
Height of the machine	mm (in)	---	---
Weight of the machine	kg (lb)	45000 (99208)	55000 (121254)