

Product Specifications

WELE - MVB Series MVB-x39

Specification/ Machine model	Unit	MVB-439	MVB-539	MVB-639	MVB-739	MVB-839	MVB-1039	
X axis travel	mm (in)	4060 (159.8)	5060 (199.2)	6060 (238.6)	7060 (277.9)	8060 (317.3)	10060 (396.1)	
Y axis travel	mm (in)	3900 (153.5)						
Z axis travel	mm (in)	1000 (39.4)						
W axis travel	mm (in)	1200 (47.2)						
Table dimension (X direction)	mm (in)	4000 (157.5)	5000 (196.9)	6000 (236.2)	7000 (275.5)	8000 (315)	10000 (393.7)	
Table dimension (Y direction)	mm (in)	2400 (94.5)				2500 (98.4)		
Table loading	kg (lb)	15000 (33069)	18000 (39683)	20000 (44092)	22000 (48502)	25000 (55115)	25000 (55116)	
Spindle motor power	kW (HP)	22/26 (30/35)						
Spindle speed	rpm	10-6000						
Spindle taper		BT#50						
Rapid feedrate - X axis	mm(in)/min	18000 (708.6)	12500 (492.1)	9000 (354.3)	6000 (236.2)	5000 (196.8)	4000 (157.4)	
Rapid feedrate - Y axis	mm(in)/min	12000 (472.4)						
Rapid feedrate - Z axis	mm(in)/min	12000 (472.4)						
Rapid feedrate - W axis	mm(in)/min	3000 (118.1)						
Cutting federate	mm(in)/min	1-10000 (393.7)						
Capacity of tool magazine	pcs	60						
Max. diameter of tool / Adjacent pocket empty	mm (in)	127(5)/215(8.46)						
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=0.025(0.000984)/full travel	P=0.025(0.000984)/full travel	P=0.030(0.001181)/full travel	P=0.035(0.001378)/full travel	P=0.035(0.001378)/full travel	P=0.045(0.001772)/full travel	
Repeatability accuracy (JIS 6338)	mm (in)	±0.003(0.000118)						
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	Ps=0.020(0.000787)	Ps=0.020(0.000787)	Ps=0.025(0.000984)	Ps=0.028(0.001102)	Ps=0.028(0.001102)	Ps=0.032(0.00126)	
Length of the machine	mm (in)	10590 (416.9)	12660 (498.4)	14750 (580.7)	17250 (679.1)	20000 (787.4)	23070 (908.2)	
Width of the machine	mm (in)	9130 (359.4)						
Height of the machine	mm (in)	6750 (265.7)						