

Product Specifications

WELE - MG-U Series

MG-x50U

Specification/ Machine model	Unit	MG-650U	MG-850U	MG-1050U
X axis travel	mm (in)	6000 (236)	8000 (314)	10000 (393)
Y axis travel	mm (in)	5000 (196.9)	5000 (196.9)	5000 (196.9)
Z axis travel	mm (in)	1000 (39.4)	1000 (39.4)	1000 (39.4)
B axis travel	degree	+-110		
C axis travel	degree	+-360		
Table dimension (X direction)	mm (in)	6000 (236)	8000 (314)	10000 (393)
Table dimension (Y direction)	mm (in)	4800 (189)		
Table loading	kg (lb)	2500 (5512)		
Spindle motor power	kW (HP)	34(45.6)		
Spindle speed	rpm	10-12000		
Spindle taper		HSK-A100		
Rapid feedrate - X axis	mm(in)/min	20000 (787)		
Rapid feedrate - Y axis	mm(in)/min	12000 (472)		
Rapid feedrate - Z axis	mm(in)/min	10000 (393)		
Cutting federate	mm(in)/min	1-10000 (393)		
Capacity of tool magazine	pcs	32		
Max. diameter of tool / Adjacent pocket empty	mm (in)	127/215 (5/8.4)		
Max. length of tool	mm (in)	400 (15)		
Max. weight of tool	kg (lb)	20 (44)		
Positioning accuracy (JIS 6338)	mm (in)	±0.025(0.0009)/full travel		
Positioning accuracy (VDI/DGQ 3441)	mm (in)	P≤0.030(0.0011)	P≤0.035 (0.0013)	P≤0.045 (0.0017)
Repeatability accuracy (JIS 6338)	mm (in)	±0.010(0.0003)		
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	Ps≤0.025(0.0009)	Ps≤0.028(0.0011)	Ps≤0.032(0.0012)
Length of the machine	mm (in)	12275 (483.3)	14275 (562)	16275 (640.7)
Width of the machine	mm (in)	8560 (337)	8560 (337)	8560 (337)
Height of the machine	mm (in)	4200 (165.4)	4200 (165.4)	4200 (165.4)
Weight of the machine	kg (lb)	104000 (229281)	126000 (277782)	148000 (326284)