

# Product Specifications

## WELE - MG Series

### MG-x40

Specification/ Machine model	Unit	MG-540	MG-640	MG-840	MG-1040
X axis travel	mm (in)	5000 (196.9)	6000 (236.2)	8000 (315)	10000 (393.7)
Y axis travel	mm (in)	4000 (157.5)			
Z axis travel	mm (in)	1000 (39.4)			
Table dimension (X direction)	mm (in)	5000 (196.9)	6000 (236.2)	8000 (315)	10000 (393.7)
Table dimension (Y direction)	mm (in)	3800 (149.6)			
Table loading	kg (lb)/cm <sup>2</sup>	2500 (5512)			
Spindle motor power	kW (HP)	22/26 (30/35)			
Spindle speed	rpm	10-6000			
Spindle taper		BT#50 (ISO 50)			
Rapid feedrate - X axis	mm(in)/min	10000 (393.7)	20000 (787.4)		
Rapid feedrate - Y axis	mm(in)/min	15000 (590.6)			
Rapid feedrate - Z axis	mm(in)/min	12000 (472.4)			
Cutting federate	mm(in)/min	1-10000 (0.04-393.7)			
Capacity of tool magazine	pcs	32			
Max. diameter of tool / Adjacent pocket empty	mm (in)	127/215 (5.0/8.5)			
Max. length of tool	mm (in)	400 (15.7)			
Max. weight of tool	kg (lb)	20 (44)			
Positioning accuracy (JIS 6338)	mm (in)	±0.025(0.000984)/full travel			
Positioning accuracy (VDI/DGQ 3441)	mm (in)	P <sub>s</sub> ≤0.025(0.000984)	P <sub>s</sub> ≤0.030(0.001181)	P <sub>s</sub> ≤0.035(0.001378)	P <sub>s</sub> ≤0.045(0.001772)
Repeatability accuracy (JIS 6338)	mm (in)	±0.010 (±0.0004)			
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	P <sub>s</sub> ≤0.020(0.000787)	P <sub>s</sub> ≤0.025(0.000984)	P <sub>s</sub> ≤0.028(0.001102)	P <sub>s</sub> ≤0.032(0.00126)
Length of the machine	mm (in)	10710 (421.7)	12275 (483.3)	14275 (562)	16275 (640.7)
Width of the machine	mm (in)	7560 (297.6)			
Height of the machine	mm (in)	4200 (165.4)			
Weight of the machine	kg (lb)	76000 (167551)	96000 (211644)	117000 (257941)	140000 (308647)