

Product Specifications

WELE - UG Series UG-550 / UG-800

Specification/ Machine model	Unit	UG-550	UG-800
X axis travel	mm (in)	550 (21.7)	800 (31.5)
Y axis travel	mm (in)	700 (27.6)	950 (37.4)
Z axis travel	mm (in)	500 (19.7)	650 (25.6)
A axis travel	degree	+30 / -120	
C axis travel	degree	360	
Table loading	kg (lb)	500 (1102)	1000 (2205)
Spindle motor power	kW (HP)	21.6/30.9 (28/41.4)	
Spindle speed	rpm	14000	
Spindle taper		#40 / BBT/ CAT/ DIN/ HSK A63	
Rapid feedrate - X axis	mm(in)/min	48000 (1889.8)	
Rapid feedrate - Y axis	mm(in)/min	48000 (1889.8)	
Rapid feedrate - Z axis	mm(in)/min	48000 (1889.8)	
Rapid feedrate - A axis	rpm	25	
Rapid feedrate - C axis	rpm	100	
Cutting federate	mm(in)/min	1-10000 (0.04-393.7)	1-10000 (0.04-393.7)
Capacity of tool magazine	pcs	30	
Max. diameter of tool / Adjacent pocket empty	mm (in)	90/130 (3.54/5.12)	90/130 (3.54/5.12)
Max. length of tool	mm (in)	300 (11.8)	300 (11.8)
Max. weight of tool	kg (lb)	8 (18)	8 (18)
Positioning accuracy (JIS 6338)	mm (in)	± 0.01 (±0.0004 / full travel)	
Positioning accuracy (VDI/DGQ 3441)	mm (in)	P≤0.020 (P≤0.0008)	
Repeatability accuracy (JIS 6338)	mm (in)	±0.003 (±0.0001)	
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	Ps0.015≤ (Ps0.0006)	
Length of the machine	mm (in)	4050 (159.4)	5000 (196.9)
Width of the machine	mm (in)	3000 (118.1)	
Height of the machine	mm (in)	3500 (137.8)	3650 (143.7)
Weight of the machine	kg (lb)	11000 (24251)	15000 (33069)