

Product Specifications

WELE - RB Series

RB-212 / RB-312

Specification/ Machine model	Unit	RB-212	RB-312
X axis travel	mm (in)	2120 (83.5)	3060 (120.5)
Y axis travel	mm (in)	1200 (47.2)	1200 (47.2)
Z axis travel	mm (in)	800 (31.5)	800 (31.5)
Table dimension (X direction)	mm (in)	2000 (78.7)	3000 (118.1)
Table dimension (Y direction)	mm (in)	1100 (43.3)	1100 (43.3)
Table loading	kg (lb)	3500	4500
Spindle motor power	kW (HP)	15/18.5 (20/25)	
Spindle speed	rpm	10-6000	10-6000
Spindle taper		BT#50 (ISO 50)	
Rapid feedrate - X axis	mm(in)/min	24000 (944.9)	
Rapid feedrate - Y axis	mm(in)/min	24000 (944.9)	
Rapid feedrate - Z axis	mm(in)/min	15000 (590.6)	
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 (4.9/8.5)	
Max. length of tool	mm (in)	400 (15.7)	
Max. weight of tool	kg (lb)	15 (33)	
Positioning accuracy (JIS 6338)	mm (in)	±0.005/full travel(±0.002)	
Positioning accuracy (VDI/DGQ 3441)	mm (in)	P≤0.020 (P≤0.0008)	P≤0.025(P≤0.001)
Repeatability accuracy (JIS 6338)	mm (in)	±0.003 (±0.0001)	
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	Ps≤0.015(Ps≤0.0006)	Ps≤0.020(Ps≤0.0007)
Length of the machine	mm (in)	5900 (232.3)	7900 (311)
Width of the machine	mm (in)	3550 (139.8)	3550 (139.8)
Height of the machine	mm (in)	4050 (159.4)	4050 (159.4)
Weight of the machine	kg (lb)	18000 (39683)	23000 (50706)