

Product Specifications

WELE - SB Series SB-x16

Specification / Machine model	Unit	SB-216	SB-316	SB-416	SB-516	SB-616
X axis travel	mm (in)	2120 (83.5)	3060 (120.5)	4060 (159.8)	5060 (199.2)	6060 (238.5)
Y axis travel	mm (in)	1600 (63)				
Z axis travel	mm (in)	800 (31.4)				
Table dimension (X direction)	mm (in)	2000 (78.7)	3000 (118.1)	4000 (157.5)	5000 (196.8)	6000 (236.2)
Table dimension (Y direction)	mm (in)	1500 (59.1)				
Table loading	kg (lb)	8000 (17637)	10000 (22046)	12000 (26455)	14000 (30864)	16000 (35273)
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	24000 (944.9)		20000 (787.4)	15000 (590.5)	12000 (472.4)
Rapid feedrate - Y axis	mm(in)/min	24000 (944.9)				
Rapid feedrate - Z axis	mm(in)/min	15000 (590.6)				
Cutting feedrate	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)	±0.015 (±0.004)				
Positioning accuracy (VDI/DGQ 3441)	mm (in)	P≤0.016(0.00063)	P≤0.019(0.000748)	P≤0.025(0.000984)	P≤0.032(0.00126)	P≤0.040(0.001575)

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Repeatability accuracy (JIS 6338)	mm (in)	±0.003 (0.0001)					
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	Ps≤0.013(0.000512)	Ps≤0.015(0.000591)	Ps≤0.020(0.000787)	Ps≤0.025(0.000984)	Ps≤0.030(0.001181)	
Length of the machine	mm (in)	5900 (232.2)	8300 (326.7)	10200 (401.5)	12500 (492.1)	---	
Width of the machine	mm (in)	4650(183.1)					
Height of the machine	mm (in)	5250(206.6)					
Weight of the machine	kg (lb)	22000 (48502)	27000 (59525)	29000 (63934)	26000 (57320)	---	