

# Product Specifications

## WELE - VB Series

### VB-x15

Specification / Machine model	Unit	VB-215	VB-315	VB-415
X axis travel	mm (in)	2020 (79.5)	3020 (118.9)	4020 (158.2)
Y axis travel	mm (in)	1500 (59.1)		
Z axis travel	mm (in)	800 (31.5)		
Table dimension (X direction)	mm (in)	2100 (82.7)	3100 (122)	4100 (161.4)
Table dimension (Y direction)	mm (in)	1400 (55.1)		
Table loading	kg (lb)	8000 (17637)	10000 (22046)	12000 (26455)
Spindle motor power	kW (HP)	22/26(30/35)		
Spindle speed	rpm	10-6000		
Spindle taper		BT#50		
Rapid feedrate - X axis	mm(in)/min	24000 (944.8)		
Rapid feedrate - Y axis	mm(in)/min	24000 (944.8)		
Rapid feedrate - Z axis	mm(in)/min	15000 (590.5)		
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(5) / 215(8.4)		
Max. length of tool	mm (in)	400 (15.7)		
Max. weight of tool	kg (lb)	20 (44)		
Positioning accuracy (JIS 6338)	mm (in)	±0.010(0.0004)/full travel		
Positioning accuracy (VDI/DGQ 3441)	mm (in)	P=0.016(0.0006)/full travel	P=0.019(0.0007)/full travel	P=0.025(0.0009)/full travel
Repeatability accuracy (JIS 6338)	mm (in)	±0.003 (±0.0001)		
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	Ps=0.013(0.0005)	Ps=0.015(0.0006)	Ps=0.020(0.0008)
Length of the machine	mm (in)	5831 (229.5)	8363 (329.3)	10563 (415.9)
Width of the machine	mm (in)	4182 (164.6)		
Height of the machine	mm (in)	4128 (162.5)		
Weight of the machine	kg (lb)	20000 (44092)	25000 (55116)	30000 (66138)