

Product Specifications

WELE - VQ Series VQ650-VQ1060

Specification/ Machine model	Unit	VQ650	VQ1060
X axis travel	mm (in)	650 (25.5)	1020 (40.2)
Y axis travel	mm (in)	510 (20)	600 (23.6)
Z axis travel	mm (in)	510 (20)	600 (23.6)
From spindle nose to the centerline of table	mm (in)	100-610 (3.9-24)	105 -05 (4.1-27.7)
Table dimension (X direction)	mm (in)	800 (31.4)	1150 (45.3)
Table dimension (Y direction)	mm (in)	510 (20)	600 (23.6)
Table loading	kg (lb)	500 (1102)	700 (1543)
Spindle motor power	kW (HP)	7.5/11 (10/15)	7.5/11 (10/15)
Spindle speed	rpm	belted type, 10000	belted type, 10000
Spindle taper		BT40	BT40
Rapid feedrate - X axis	mm(in)/min	36000 (1417.3)	36000 (1417.3)
Rapid feedrate - Y axis	mm(in)/min	36000 (1417.3)	36000 (1417.3)
Rapid feedrate - Z axis	mm(in)/min	30000 (1181.1)	30000 (1181.1)
Cutting federate	mm(in)/min	10000 (393.7)	10000 (393.7)
Capacity of tool magazine	pcs	24T	24T
Max. diameter of tool / Adjacent pocket empty	mm (in)	78 / 150 (3.07 / 5.91)	80 / 125 (3.1 / 4.92)
Max. length of tool	mm (in)	300 (11.8)	300(11.8)
Max. weight of tool	kg (lb)	7 (15.4)	7 (15.4)
Positioning accuracy (JIS 6338)	mm (in)	±0.003 (±0.0001)	±0.005 (±0.0002)
Positioning accuracy (VDI/DGQ 3441)	mm	P≤0.012 (0.0005)	P≤0.02 (0.0008)
Repeatability accuracy (JIS 6338)	mm	±0.002 (±0.00008)	±0.003 (±0.0001)
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	Ps≤0.006 (0.0002)	Ps≤0.01 (0.0004)
Length of the machine	mm (in)	2,100 (82.6)	3,190 (125.6)
Width of the machine	mm (in)	2,150 (84.6)	2,290 (90.2)
Height of the machine	mm (in)	2,650 (104.3)	2,930 (115.4)
Weight of the machine	kg (lb)	3,500 (7716)	6000 (13228)