

# Product Specifications

## WELE - AA Series

### AA-65

Specification/ Machine model	Unit	AA965	AA1165	AA1365	AA1565
X axis travel	mm (in)	900 (35.4)	1100 (43.3)	1300 (51.2)	1500 (59.1)
Y axis travel	mm (in)	650 (25.6)			
Z axis travel	mm (in)	600 (23.6)			
From spindle nose to the centerline of table	mm (in)	125~725 (4.9-28.5)			
Table dimension (X direction)	mm (in)	1100 (43.3)	1300 (51.2)	1450 (57.1)	1650 (65)
Table dimension (Y direction)	mm (in)	650 (25.6)			
Table loading	kg (lb)	900 (1984)	1100 (2420)	1300 (2860)	1500 (3300)
Spindle motor power	kW (HP)	7.5/11 (10/15)			
Spindle speed	rpm	belt type, 8000			
Spindle taper		BT#40(ISO 40)			
Rapid feedrate - X axis	mm(in)/min	24000 (944.8)	24000 (944.8)	24000 (944.8)	15000 (590.6)
Rapid feedrate - Y axis	mm(in)/min	24000 (944.8)	24000 (944.8)	24000 (944.8)	15000 (590.6)
Rapid feedrate - Z axis	mm(in)/min	20000 (787.4)	20000 (787.4)	20000 (787.4)	12000 (472.4)
Cutting federate	mm(in)/min	1-10000 (393.7)	1-10000 (393.7)	1-10000 (393.7)	1-8000 (315)
Capacity of tool magazine	pcs	20T			
Max. diameter of tool / Adjacent pocket empty	mm (in)	80/150 (3.1/5.9)	80/150 (3.1/5.9)	80/150 (3.1/5.9)	110/200 (4.3/7.9)
Max. length of tool	mm (in)	250(9.8)	250(9.8)	250(9.8)	300(11.8)
Max. weight of tool	kg (lb)	7(15)	7(15)	7(15)	15(33)
Positioning accuracy (VDI/DGQ 3441)	mm (in)	P $\leq$ 0.012 (P $\leq$ 0.0005)	P $\leq$ 0.012 (P $\leq$ 0.0005)	P $\leq$ 0.012 (P $\leq$ 0.0005)	P $\leq$ 0.015 (P $\leq$ 0.0006)
Repeatability accuracy (VDI/DGQ 3441)	mm (in)	Ps $\leq$ 0.006 (Ps $\leq$ 0.0002)	Ps $\leq$ 0.006 (Ps $\leq$ 0.0002)	Ps $\leq$ 0.006 (Ps $\leq$ 0.0002)	Ps $\leq$ 0.008 (Ps $\leq$ 0.0003)
Length of the machine	mm (in)	2940 (115.7)	3200 (126)	3630 (142.9)	4110 (161.8)
Width of the machine	mm (in)	2240 (88.2)	2240 (88.2)	2240 (88.2)	2240 (88.2)
Height of the machine	mm (in)	2940 (115.7)	2940 (115.7)	2940 (115.7)	2940 (115.7)
Weight of the machine	kg (lb)	7000 (15432)	7200 (15873)	7600 (16755)	8100 (17857)