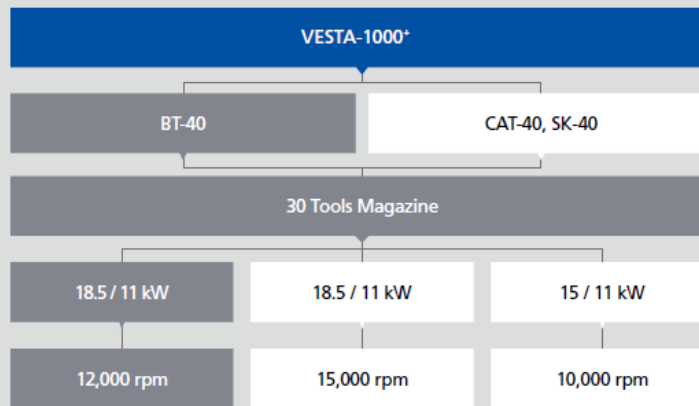


Product Line-up



Machine Specifications

ITEM		VESTA-1000*					
Travel							
X-axis Stroke	mm (inch)	1,000 (39.37)					
Y-axis Stroke	mm (inch)	550 (21.65)					
Z-axis Stroke	mm (inch)	500 (19.69)					
Distance from Table Surface to Spindle Gauge Plane	mm (inch)	130 ~ 630 (5.12 ~ 24.8)					
Distance between Columns to Spindle Center	mm (inch)	560 (22.05)					
Table							
Table Size	mm (inch)	1,100 x 502 (43.31 x 19.76)					
Table Loading Capacity	kg _f (lb _s)	700 (1,543)					
T Slot (WxP / No. of slots)	mm (inch)	18 x 80 (0.71 x 3.15) / 5 ea					
Spindle							
Max Spindle Speed	rpm	12,000	12,000 (CTS)	15,000	15,000 (CTS)	10,000	10,000 (CTS)
Spindle Motor	kW (HP)	18.5 / 11 (25 / 15)		18.5 / 11 (25 / 15) SIEMENS: 20.9 / 11 (28 / 15)		18.5 / 11 (25 / 15)	
Type of Spindle Taper Hole	-	ISO#40, 7 / 24 Taper (BT-40)					
Spindle Bearing Inner Diameter	mm (inch)	Ø70 (Ø2.76)					
Feedrate							
Rapid Traverse (X / Y / Z)	m/min (ipm)	36 / 36 / 30 (1,417 / 1,417 / 1,181)					
Cutting Feedrate (X / Y / Z)	mm/min (ipm)	1 ~ 24,000 (0.04 ~ 945)					
Motor							
Feed Motor (X / Y / Z)	kW (HP)	1.8 / 1.8 / 3 (2.5 / 2.5 / 4)					
Coolant Motor (Spindle / Bed)	kW (HP)	0.4 / 1.1 (0.5 / 1.5)					
Spindle Cooler Motor	kW (HP)	0.4 (0.5)				0.18 (0.2)	
ATC							
Type of Tool Shank	-	BT-40 (OPT: CAT-40, SK-40)					
Type of Pull Stud	-	MAS P40T-1 (45°)					
Tool Storage Capacity	ea	30					
Max Tool Dia (with / without Adjacent Tools)	mm (inch)	Ø75 / Ø150 (Ø2.95 / Ø5.91)					
Max Tool Length	mm (inch)	300 (11.81)					
Max Tool Weight	kg _f (lb _s)	8 (17.64)					
Method of Tool Selection	-	Memory Random					
Power Source							
Electric Power Supply	kVA	30					
Compressed Air Supply (Pressure X Consumption)	-	0.5 ~ 0.7 MPa x 690 Nℓ/min					
Tank Capacity							
Spindle Cooling / Lubrication	ℓ (gal)	20 / 6 (5.28 / 1.59)					
Coolant	ℓ (gal)	250 (66.04)					
Machine Size							
Height (Z-axis Fixing / Disassemble the z-axis servo motor)	mm (inch)	2,892 (113.86) [2,568 (101.1) / 2,456 (96.65)]					
Floor Space (Length x Width)	mm (inch)	4,000 (157.48) X 3,320 (130.71)					
Machine Size (Length x Width)	mm (inch)	2,850 (112.2) X 2,420 (95.28)					
Weight	kg _f (lb _s)	5,040 (11,111)					
NC Controller		Fanuc 0i-MF Plus					