

VC500i

5-Axis cantilever design supports a wide range of parts. Premium components and Expert Design. Full 110° in both positive and negative direction of the B-axis provides superb undercutting ability.

- › Integrated trunnion table design provides more clearance in Z-axis and ability to machine heavier parts compared 3-axis mills with trunnion table added
- › Larger, heavy-duty linear guides on all three axes
- › Solid one-piece cast iron frame optimized with both static and dynamic Finite Element Analysis (FEA)
- › Yaskawa Sigma V Digital AC Servos
- › 2 or 4 passage rotary unions for hydraulics and/or air
- › Full Enclosure with wide front access doors and fully contained tool storage
- › Angular encoders for rotary axes
- › Pistol-style coolant and air guns
- › WinMax Mill Conversational and NC Programming
- › 5-axis/5-sided software features – Tool Path Linearization, Tool Center Point Management, Transform Plane, 3-D Tool Compensation, Tool Vector Input & Retract, Shortest Angular Traverse
- › Ergonomically designed MAX5 console with twin 19" LCD screens
- › Robust control specifications (standard) – 2.7GHz Dual Core Processor, 4GB RAM Memory, 128GB Solid State Hard Drive
- › Z-axis regenerative brake – no counterbalance

CAPACITY	X, Y, Z Axis Travel	20.5 x 17.7 x 15.8 (520 x 450 x 400 mm)
	Spindle Nose to Table	5.9 in min / 21.7 in max (150 mm min / 550 mm max)
	Table Size	19.7 in diameter (500 mm diameter)
	Max. Weight on Table	550 lbs (250 kg)
	B Axis Motion	-110°/+110°
	C Axis Motion	360°
	T-Slot Size	3.9 in (100 mm)
SPINDLE	Peak Spindle Motor	17.4 hp (13 kW)
	Torque: 10,000 rpm	60.5 ft-lbs @ 1,500 rpm (82 Nm @ 1,500 rpm)
ATC	Number of Tools	30
	Tool Type	CAT 40
	Max. Tool Diameter	3.1 in (80 mm)
	Max. Tool Length	9.8 in (250 mm)
	Max. Tool Weight	15.4 lb. (7 kg)
FEEDRATE	Max. Programmable Feedrate	945 inches/minute (24 m/minute)
	Rapid Traverse X, Y, Z Axis	945 in/min, 945 in/min, 945 in/min (24 m/minute, 24 m/minute, 24 m/minute)
	Machine Weight	18,520 lbs (8,400 kg)