

## TWINHORN VA-500 VERTICAL MACHINING CENTER

### STANDARD FEATURES

- ▶ Fanuc Oi-MD, 8.4" Color LCD
- ▶ 320Kbyte / 800 Meter Memory
- ▶ Spindle CAT-40 with 8000 RPM
- ▶ Arm Type 16 Tool ATC
- ▶ RS232 Interface
- ▶ Meehanite Cast Iron Bed, Base & Headstock
- ▶ Heat Exchanger for Electrical Cabinet
- ▶ Automatic Power off (M30)
- ▶ Roll Out Coolant Tank & Chip Tray
- ▶ Operating & Electrical Manuals
- ▶ One Year Machine Parts Warranty
- ▶ Fanuc 10 HP Spindle Motor
- ▶ AC Digital Servo & Spindle Drivers
- ▶ PCMCIA Slot for Memory Expansion
- ▶ Helical Interpolation & Custom Macro
- ▶ Hardened Ground Box Ways on X,Y & Z
- ▶ Auto Lubrication System
- ▶ Fully Enclosed Splash Guard
- ▶ Spindle Air Blast & Cutting Air Blast
- ▶ Spindle Air Curtain
- ▶ Hand Held Air Nozzle
- ▶ Two Year Control Warranty

### MACHINE SPECIFICATIONS

Travel X Axis -----	19.69" (500mm)
Travel Y Axis -----	15.75" (400mm)
Travel Z Axis -----	17.72" (450mm)
Rapid Feed Rate X & Y Axis -----	787ipm
Rapid Feed Rate Z Axis -----	630ipm
Cutting Feed Rate -----	315ipm (8000mm/min)
Positioning X, Y & Z Axis -----	0.0001/12" (0.005mm/300mm)
Repeatability X, Y & Z Axis -----	±0.0001" (±0.003mm)
Table Dimension -----	27.56" x 15.75" (700mm x 400mm)
Maximum Loading -----	660 lb (300Kg)
Spindle Motor -----	FANUC AC Spindle Motor β 6 / 10000i
Spindle Horse Power -----	10 hp
Spindle Speed -----	8000 RPM
Spindle Taper -----	CAT- 40
Servo Drive Motor X & Y Axis -----	Fanuc β 8 / 3000is
Servo Drive Motor Z Axis -----	Fanuc β 12 / 3000is
Distance from Spindle Nose to Table -----	4.72" – 22.44" (120 – 570mm)
Distance from Spindle to Column -----	18.90" (480mm)
ATC -----	Swing Arm Type Random, Shortest Path, Bi-Directional
Magazine Capacity -----	16 Tools
Tool Change Time -----	2.5 Second
Maximum Tool Weight -----	15.4 lb (7.0kg)
Maximum Tool Length -----	11.81" (300mm)
Maximum Tool Diameter -----	3.14" (80mm)
Floor Space W x D x H -----	77.17"x84.65"x95.47" (1960mmx2150mmx2425mm)
Power Requirement -----	220V, 3 Phase, 60Hz, 15kVA, 50Amp
Machine Weight -----	8,360 lb (3800 kg)