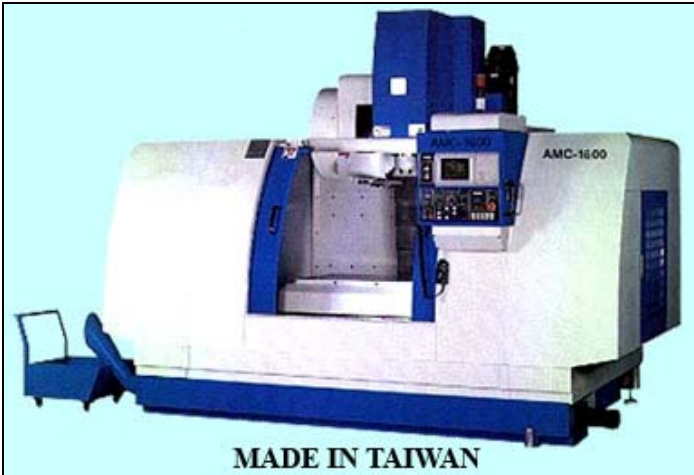


## ACRA AMC-1600 VERTICAL MACHINE CENTER



### DESCRIPTION:

The ACRA AMC-1600 Vertical Machining Center Is An Accurate And Reliable Machine Designed For 3 And 4 Axis Prototype, Mold, Or Production Use. It Incorporates Integrated Box Ways On All Three Axes With Turcite-B For Lasting Precision. Ballscrews Are Double Nut, Anchored And Force Lubricated At Both Ends, Pre-Tensioned And Laser Aligned. Smart Casting Design Of Ribbed Meehanite With Minimal Operator "Lean-In" To Load & Offload. No Table Overhang; Accuracies Meet Or Exceed JIS With Full Table Load.

The Spindle Uses Class-7 Angular Contact Bearings And Is Fully Enclosed In Stainless Steel. It Is Housed In A Heavily Ribbed And Oversized Headstock Casting, Virtually Eliminating Thermal Growth And Vibration. Rigid Tap Is Standard. The Tool Changer Is A Carousel Type, Simple And Dependable. This Machine Is Available With Mitsubishi Or Optional FANUC Control: Always With Same Source Matched AC Digital Motors And Drives To Ensure The Best Reliability And Performance. Choice Of Spindle RPM, ATC Swing Arm Or Carousel, Coolant Throught The Spindle, ZF Gear System, Optical Scales, CNC Rotary Table Available.

### STANDARD ACCESSORIES:

- Full Enclosure
- Integral Box Ways
- FANUC OM-C or Mitsubishi 64M Control (Others Available)
- 8,000 RPM Spindle (4500, 6,000, 10,000, 12000 Available)
- Rigid Tap
- 24 Tool Carousel or Arm type ATC(Available)
- BT-40 or CAT-40 Taper(50 Taper Available)
- MPG Handwheel for Axes Feed
- Auto Way Lube
- Worklight
- Pilot Lamp
- Levelling Bolts and Pads
- Manuals, Toolbox

**ACRA AMC-1600 VERTICAL MACHINE CENTER**

SPECIFICATIONS		AMC-1600
TRAVELS	X / Y / Z	65" x 39.4" x 30"
	Spindle to Column	43.3"
	Spindle to Table	7" - 37"
BASE & WAYS	Type Base	Meehanite, Ribbed
	Type Ways	Integral Box, 3 Axes
	Hardness and Depth	Induction hardened to 58 HRC to 0.050"
TABLE	Overall Size	78.4" x 39.4"
	T Slots	6
	Max. Table Load	4,000 LBS
BALLSCREWS	Type	Double Nut
	Mounting	Class 5 Bearings, Double Anchor, Forced Lube (6)
	Installation	Pre-Tensioned
SPINDLE	Taper	BT/ CAT-40 Or 50 (Specify)
	Speed	4,500, 6,000, 8,000, 10,000, or 12,000 RPM
FEED RATES	Rapid X, Y / Z	590 IPM / 472 IPM
	Cutting Feedrate	0.04 - 236 IPM
ACCURACIES (With Full Table Load)	Positioning	± 0.0003"
	Repeatability	± 0.0002"
AUTOMATIC TOOL CHANGER	No. of Tools	24
	Type Tool Changer	Carousel or Swing Arm
	Max Tool Dia	4.3"
	Max Tool Weight	22 LBS
MOTORS	Spindle Motor	25 HP
	Axes	5.4 HP (AC Digital)
	Coolant	1.2 HP
OVERVIEW	Net Weight	34,100 LBS
	Air Required	80 PSI

**NOTE:** The manufacturer reserves the right to modify the design, specifications, & mechanisms to improve the performances of the machines without notice. All specifications above are for your reference only.