

ACRA FMC-2150P/2600P HEAVY DUTY VERTICAL MACHINE CENTERS



DESCRIPTION:

The ACRA FMC-2150P & FMC-2600P Heavy Vertical Machining Center Is An Accurate And Reliable Machine Designed For 3 And 4 Axis Prototype, Mold, Or Production Use. Large Heavily Ribbed Meehanite Casting, Quality Components, And Construction By An Experienced Builder Provides Unparalleled Rigidity, Precision, And Lasting Performance. This Machine Incorporates Box Ways On All Three Axes With Turcite-B For Lasting Precision. The Saddle (Y) Has 4 Wide Slideways. Ballscrews Are Double Nut, Anchored And Force Lubricated At Both Ends, Pre-Tensioned And Laser Aligned. No Table Overhang; The Saddle Supports The Table Over Its Entire Travel For Flatness And Stability.

Accuracies Meet Or Exceed JIS With Full Table Load. Built In Auger Screws Provide Chip Conveyance. The Spindle Uses Three Class-7 Angular Contact Bearings And Is Fully Encased In Stainless Steel. Rigid Tap Is Standard. The Heavily Ribbed And Oversized Headstock Casting, Completes With Recirculating Oil, Virtually Eliminates Thermal Growth And Vibration. The Tool Changer Is A Carousel Type, Or Side Mount ATC Optional. Available Control Systems Include Mitsubishi (64M Std), FANUC, Siemens, Heidenhain, Selca, And ECS.

STANDARD ACCESSORIES:

- Table Splash Guard
- Armless Type Automatic Tool Changer
- Programmable Coolant System
- Automatic Lubrication System
- Spindle Air Blast System
- Working Lamp
- Alarm Lamp For Abnormal Situation
- Indication Lamp For Dwell & End Of Job
- Leveling Bolts & Pads
- BT#50 Spindle & ATC HTD Belt Head
- Pre-Extended Ballscrews
- RS-232 Terminal Interface Port
- Machine & Control Manuals
- Toolbox With Spanners & Wrenches
- Screw Chip Conveyor Built In Saddle

OPTIONAL ACCESSORIES:

- Arm Type Quick Change Automatic Tool Changer
- Two Speeds Gear Head Driven Spindle
- CNC Rotary Table
- Spindle Oil Cooler
- Touch Probe & Digitizing Software
- Coolant Thru Spindle Devices
- Automatic Tool Length Measurement
- Fully Enclosed Splash Guard
- Coolant Thru Toolholder Devices
- Chain Hinge Type Chip Conveyor
- Heat Exchanger For Electric Cabinet
- Air Conditioner For Electric Cabinet
- Cat #50 Or DIN69871 Spindle
- Linear Scales Feedback
- Oil Skimmer
- 15KW/18.5KW Spindle Motor
- 18.5KW/23KW Spindle Motor
- 8000 RPM & Spindle Oil Cooler
- Built In Head Coolant Tank
- CE Norms

ACRA FMC-2150P/2600P HEAVY DUTY VERTICAL MACHINE CENTERS

SPECIFICATIONS		FMC-2150P	FMC-2600P
TRAVELS	X / Y / Z	84.6" x 35" (43.3" Opt) x 29.5" (41.3" Opt.)	102.4" x 35" (43.3" Opt) x 29.5" (41.3" Opt.)
	Spindle To Column	36.2" (46.7" Opt.)	36.2" (46.7" Opt.)
	Spindle To Table	7.9"~37.4"	7.9"~37.4"
BASE & WAYS	Type Base	Meehanite, Ribbed	Meehanite, Ribbed
	Type Ways	Integral Box, 3 Axes	Precision Ground Integral Box, 3 Axes
	No Of Ways On Y Axis	4	6 (4 Integral, 2 Outboard)
	Width Of Y Axis Slideways	6"	6"
	Table Overhang	No	No
HARDNESS AND DEPTH	Hardness And Depth	Induction hardened to 58 HRC to 0.050"	Induction hardened to 58 HRC to 0.050"
	Overall Size	86.6" x 35.4"	104.3" x 35.4"
TABLE	No. T Slots / Size	6 / 0.9"	6 / 0.9"
	Max. Table Load	5,512 LBS	5,512 LBS
	Type	Double Nut	Double Nut
BALLSCREWS	Size (X / Y & Z) x Pitch	63MM / 50MM x 10MM	63MM / 50MM x 10MM
	Mounting	Class 5 Bearings, Double Anchor, Forced Lube (6)	Class 5 Bearings, Double Anchor, Forced Lube (6)
	Installation	Pre-Tensioned, Laser Aligned	Pre-Tensioned, Laser Aligned
	Taper	Specify BT50 or CAT-50 (#40 Opt.)	Specify BT50 or CAT-50 (#40 Opt.)
SPINDLE	Speed	4,000 RPM (8,000 or 10,000 Opt.)	4,000 RPM (8,000 or 10,000 Opt.)
	Motor	30 HP	30 H0
FEED RATES	Rapid	394 IPM	394 IPM
	Cutting Feedrate	0.01 - 197 IPM	0.01 - 197 IPM
ACCURACIES (W/ Full Table Load)	Positioning	± 0.0002" / 12"	± 0.0002" / 12"
	Repeatability	± 0.0001"	± 0.0001"
	Roundness	± 0.00039" / 12" Dia.	± 0.00039" / 12" Dia.
AUTOMATIC TOOL CHANGER	No. of Tools	20 (**24 / 32 Opt.)	20 (**24 / 32 Opt.)
	Type Tool Changer	Carousel, Bi-Directional (Arm Type Opt.)	Carousel, Bi-Directional (Arm Type Opt.)
	Max Tool Dia./L	9.8" / 11.8"	9.8" / 11.8"
	Max Tool Weight	33 Lbs	33 Lbs
MOTORS	Spindle Motor	30 HP (22.5 HP Opt.)	30 HP (22.5 HP Opt.)
	Axes	6.7 HP (AC Digital)	6.7 HP (AC Digital)
	Coolant	1.1 HP	1.1 HP
	Chip Auger (2)	1/4 HP	1/4 HP
OVERVIEW	Net Weight	39,683 LBS	44,092 LBS
	Footprint (LxWxH)	206" x 150" x 125"	206" x 150" x 125"
	Power	35 KVA	35 KVA
	Air Required	80 PSI	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.