

ACRA APC-S560A CNC PRODUCTION CENTER



DESCRIPTION:

The ACRA APC-S560A CNC Production Centers Are Fast And Precise Vertical Machining Centers With 180° Auto Pallet Changer (Swing Table), High Speed, And Ultra Quick Tool Changer. Built On A Rugged Frame With Quality Craftsmanship, This Machine Is Ideally Suited For Multiple Part Set Up And High Production Of Accurate Milling, Boring, And Drill/Tap Operations. Accuracy, Speed, And Reliability Are Achieved By The Combination Of Widely Spaced And Double Anchored linear Guide Rails Aboard Ribbed Meehanite Casting; Direct Coupled Spindle Motor; Ultra Quick Arm Type Tol Changer; And Single Source And Matched Control, AC Servo And Spindle Motors, And Digital Drives. This Machine Incorporates Several Patented Features, X Axis Gull-Wing Cover, And Spindle Oil Chiller System.

STANDARD ACCESSORIES:

- 180° Swivel Table, 5 ±1 Sec Index
- FANUC Control (Mitsubishi Optional)
- 1.25 Sec Tool Change
- 16 Arm Type Tool Changer (24 Optional)
- BT-40 (CI 40 Optional)
- Rigid Tap To Tool Changer
- Rigid Tap To 5,500 RPM
- Chip Flush System
- Internal Chip Auger
- Patented Oil Chiller System
- Auto Way Lube
- MPG Handwheel
- Full Enclosure
- Worklight
- Pilot Lamp
- Coolant System
- Hear Exchanger For NC Cabinet
- Patented X-Axis Gull-Wing Cover
- Floating Counter Balance
- Manuals
- Toolbox

CONTROLLER FUNCTIONS:

- Up To 4 Axes Simultaneous
- Minimum Input 0.001 mm or 0.0001"
- Spindle Speed Command S-5 Digits
- Spindle Speed Override In 50~120%
- Rigid Tap
- Rapid, Linear, Circular Feed-G0,G1,G2,G3
- FeedRate Override In 0~150% Increments
- Dwell Stop - G4 P Or X
- Return To Home - G27, G28, G29, G30
- Manual Pulse Generator With Detente - 0.0001, 0.001, 0.01
- Jog Feed 0~393 IPM
- Rapid Override 1%, 25%, 50%, 100%
- Tool Number Commands- T And 2 Digits
- Tool Diameter Compensation - G41, G42, G40 Cancel
- Tool Length Compensation - G43, G44, G49 Cancel
- Tape/Code Input - ISO/EIA Auto Recognition, RS-232
- Tape Mode/DNC Function
- Inch/Metric Conversion - G20, G21
- Skip Function G32 (Optional)
- Workpiece Coordinates - G54~G59 6 Sets
- Local Coordinate System Setting G52
- Stored Programs - 99
- Minor Image
- Incremental, Absolute - G91, G90
- Canned Cycles - G73~76, G80~89

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SPECIFICATIONS		APC-S560A
TABLE	Index Time	5 SEC
	Table Overall Size	23.6" x 15.75" x 3.34"
	T Slots (No./ Pitch)	4 / 0.625"
	Max. Table Load	220LBS x 2
	Height From Floor	32.28"
TRAVEL	X Axis	22"
	Y Axis	16"
	Z Axis	16"
	Spindle To Column	18.62"
	Spindle To Table	5.9" to 22"
SPINDLE	Type	Direct Coupled Cartridge
	Taper	BT-40 (CT Opt.)
	RPM	8000 (12000 Opt.)
	Rigid Tap	Up to 5500 RPM
	Motor	10 HP
	Patented Oil Chiller System	Std.
FEED RATES	Rapid X, Y,	1890 IPM
	Rapid Z	1890 IPM
	Cutting Feed rate	0.04 ~ 394 IPM
ACCURACIES	Positioning	0.0002" / 12"
	Repeatability	± 0.0001"
	Table Repeatability	± 0.0004 "
AUTOMATIC TOOL CHANGER	Index Time (Tool/Tool)	1.25 SEC
	Index Time (Chip/Chip)	2.5 SEC
	No. Of Tools	16 (24 Opt.)
	Type Tool Changer	Arm, Side Mount
	Max Tool Dia.	3.94"
	Adjacent Tool Max Dia.	3.15"
MOTORS	X/Y/Z Motor	1.34 Hp (1.88 HP FANUC)
	Coolant	0.5 HP
OVERVIEW	Net Weight	10,500 LBS
	Footprint	116" x 74" x 102"

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.