

ACRA ADT-450/510 CNC DRILL & TAP CENTER



DESCRIPTION:

The ACRA ADT-450 / ADT-510 Drill And Tap Centers Are Fast And Precise Vertical Milling Machines Built On A Rugged Frame And Ideally Suited For 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; Simple, Reliable, And Quick Tool Changer; And Single Source Control, AC Servo And Spindle Motors And Digital Drives.

STANDARD ACCESSORIES:

- Toolbox & Tools
- Auto Lubrication System
- Coolant System And Tank
- Work Light
- Leveling Bolts And Pads
- Heat Exchanger
- Alarm Light
- Air Blow System
- Operational Manual+Partilist

OPTIONAL ACCESSORIES:

- Transformer
- Chip Conveyor
- CNC Rotary Table

CONTROLLER FUNCTIONS:

- Rigid Tapping
- Least Input Increment - 0.001mm (0.0001")
- Tape Mode RS-232C Interface
- Program Storage - Fancu-80m Mitsubishi-600m
- Tool Length Compensation - G43, G44/49
- Cutter Compensation - G39~G42
- Number Of Tool Offsets - Fancu-32 Set Mitsubishi-200 Set
- Inch/Metric Conversion - G20/G21
- Work-Piece Coordinate - Fancu-6 Sets Mitsubishi-54 Sets

www.acramachinery.com
ACRA ADT-450/510 CNC DRILL & TAP CENTER

SPECIFICATIONS	ADT-450	ADT-510	
TABLE	Overall Size	20" x 12.5"	24" x 16"
	Max Table Load	441 LBS	551 LBS
TRAVELS	X	18"	20"
	Y	12"	12"
	Z	12"	12"
	Spindle To Column	14.6"	17.5"
	Spindle To Table	7.3"-19"	7"-25.2"
SPINDLE	Type	Enclosed Cartridge, Direct Couple	Enclosed Cartridge, Direct Couple
	Taper	BT-40	BT-40
	RPM	8,000 (12,000 Opt.)	8,000 (12,000 Opt.)
	Rigid Tap	To 4,000 RPM	To 4,000 RPM
RAPID	X Axis	1,417 IPM	1,417 IPM
	Y Axis	1,181 IPM	945 IPM
	Z Axis	1,181 IPM	945 IPM
ACCURACIES	Positioning	± 0.0002" / 12"	± 0.0002" / 12"
	Repeatability	± 0.0001"	± 0.0001"
AUTOMATIC TOOL CHANGER	No. Of Tool Stations	12	12
	Index Speed	1.5 SEC	2.5 SEC
	Chip To Chip	2.8 SEC	4.3 SEC
	Max Tool Weight	6 lbs (3KG)	7.7 lbs (3.5KG)
MOTORS	Spindle Motor	7.5 HP	11 Hp (15 HP OPT)
	X axis	.6 HP	1.33 HP
	Y Axis	.6 HP	1.33 HP
	Z Axis	1.33 HP	2.67 HP
OVERVIEW	Net Weight	4,410 LBS	6,612 LBS
	Footprint	47"x 83"x 94"	61"x 89"x 94"
	Power	7.5 KVA	7.5 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.