

www.acramachinery.com
ACRA MT-52 CNC PRECISION LATHES



DESCRIPTION:

The ACRA MT-52 Series CNC Precision Lathe Is A True 45° Slant Bed, 2" Bar CNC Turning Center, With A Proven Track Record In The U.S., Europe, And Asia. It Is Fast And Precise, And Its Standards Meet Or Exceed JIS To Deliver Lasting Quality And Productivity.

The Construction Of This Machine Results In Increased Cutter Life And Superior Finishes. The Heavy Ribbed Torque Tube Meehanite Casting Is Designed To Withstand Shock And Torque.

Integral Box Ways Are Hardened To A Minimum Of 56° HRC To At least 0.050", And Turcite-B Mated Surfaces.

World Class Spindle Cartridge Is Direct Belt Driven By A FANUC Alpha P12 Hi Torque AC Brushless Six Pole Motor That Delivers Higher Torque At Lower RPM. Its Special Housing Virtually Eliminates Vibration And Thermal Distortion. The Quick And Rugged turret Is A Reliable Bi-Directional Hydraulic Type With Curvic Coupling To Allow Heavy Cuts.

A Wide Range Of Hi Tech Options Are Available Such As Milling And Drilling, Fully Synchronized Sub-Spindle, B Axis, And More. Built With Pride And Integrity By Experienced Craftsmen, This Machine's Performance Will Consistently Exceed Expectations.

STANDARD ACCESSORIES:

- 8" Hollow Chuck W/ Soft Jaws
- Hydraulic System & Cylinder
- Central Lubrication System
- Coolant System
- Programmable Tailstock Clamp
- Work Light
- Full Splash Guard Cover
- Leveling Seat And Bolts
- Alarm Lamp
- Tool Holder LK-3009X2
- Tool Holder LK-3010X1
- Boring Holder LK-3008X3
- Bushing LK-3012 1"x1
- Bushing LK-3013 0.787"x1
- Bushing LK-3014 0.63"x1
- Bushing LK-3015 0.47"x1
- Bushing LK-3016 (MT #3)x1
- Holder Block LK-3007x6
- Adjusting Block LK-3006x6
- Operating Manual
- Maintenance Manual
- Tool Kit
- Chip Bin
- Dead Center

OPTIONAL ACCESSORIES:

- Built-In Type Sub-Spindle
- VDI Tool Turret
- VDI Back machining Tool Turret
- VDI Tool Holders
- Spindle Orientation Function & Brake System
- CS Contouring Control Function
- Chip Conveyor
- Tool Pre-Setter
- Collet Chuck Unit
- Revolving Quill Tailstock
- Air Blast System
- High Pressure Coolant Pump
- Bar Feeder Interface
- Parts Catcher
- Auto Bar Feeder
- Safety Clutch
- Auto Door
- Door Interlock
- Spare Soft And Hard Jaws
- Parts Counter
- Special Chuck

www.acramachinery.com
ACRA MT-52 CNC PRECISION LATHES

STANDARD CONTROL FUNCTIONS:

- FANUC Standard Functions
- Inch/Metric Convert
- Back Ground Editing
- Constant Surface Speed
- Input Of Offset Value
- Multi Repetitive Canned Cycle For Turning
- Tool Nose Compensation
- Manual Pulse Generator
- Tool Geometry And Tool Wear Compensation

OPTIONAL CONTROL FUNCTIONS:

- Multi Spindle Control Function
- 3/4 Axis Control Function
- CS Axis Contouring Function On Main Spindle
- 5° Position Spindle Orientation
- Conversational Display & Graphic Card
- Graphic Tool Path Display
- Menu Programming
- 5" Spindle Orientation On Sub-Spindle
- Simple Tool Life Management

SPECIFICATIONS		MT-52S	MT-52L
CAPACITY	Swing Over Bed	18.11"	18.11"
	Swing Over Saddle	11.8"	11.8"
	Between Centers	17.1"	27"
	Max Turning Length (Jaw Faces)	13.8"	21.5"
	Max Turning Dia.	13.78"	13.78"
SPINDLE	Chuck	8"	8"
	Bar Capacity	2.04" (2.5" Opt.)	2.04" (2.5" Opt.)
	Hole Thru Spindle	2.45"	2.45"
	RPM	4,800	4,800
	Nose	A2-6	A2-6
	Motor	22 HP	22 HP
	Front Bearing I.D.	3.9"	3.9"
TURRET	Tool Stations	12	12
	Type	Hydraulic, Curvic Coupling	Hydraulic, Curvic Coupling
	Index Speed	0.3 SEC	0.3 SEC
	Std Tool Size	3/4" x 3/4" (1" x 1" Opt.)	3/4" x 3/4" (1" x 1" Opt.)
	Max Boring Tool	1.25"	1.25"
AXES	X Travel	7"	7"
	Z Travel	15.75"	25.6"
	X / Z Feedrate	0.04 - 157 IPM	0.04 - 157 IPM
	X Rapid	787 IPM	787 IPM
	Z Rapid	945 IPM	945 IPM
	Axes Motors	2.8 HP	2.8 HP
ACCURACIES	X Positioning	0.0002" / 4"	0.0002" / 4"
	Z Positioning	0.0002" / 4"	0.0002" / 4"
	X Repeatability	± 0.00007"	± 0.00007"
	Z Repeatability	± 0.0001"	± 0.0001"
TAILSTOCK	Quill Taper	MT #4	MT #4
	Quill Diameter	3.14"	3.14"
	Quill Stroke	3.14"	3.14"
	Quill Operation	Programmable	Programmable
	Tailstock Travel	10.4"	20"
	Max Turning Length	13.8"	22"
	Clamping	Hydraulic, M-Code	Hydraulic, M-Code
OVERVIEW	Net Weight	5,500 LBS	7,040 LBS
	Dimension	87.4" x 62.9"	99.6" x 62.9"