

www.acramachinery.com
ACRA MT-42SG/42ST SLANT BED CNC LATHES



DESCRIPTION:

The ACRA MT-42 Series CNC Precision Lathe Is A Superior 30° Slant Bed, 1 5/8" Bar CNC Turning Center, With A Proven Track Record In 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, Superior Finishes, And Extremely Accurate Parts. The Heavy Ribbed 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. The World Class Spindle Cartridge Utilizes C-7 Bearings And Its Special Housing Virtually Eliminates Vibration And Thermal Distortion, Smooth And Quiet At Up To 5,000 RPM.

The Quick And Rugged Turret Is A Reliable Bi-Directional Hydraulic Type With Curvic Coupling. Built With Pride And Integrity By Experienced Craftsmen, This Machine's Performance Will Consistently Exceed Expectations.

STANDARD ACCESSORIES:

- 6" Hydraulic Hollow Chuck
- Hydraulic Hollow Cylinder
- Hydraulic Unit
- Central Lubrication System
- Coolant System
- Tailstock (MT-42ST Only)
- Work Light
- Full Splashguard Cover
- Leveling Pad And Screws
- Alarm Light
- External Tool Holder
- Boring Tool Holder
- Boring Tool Sleeve
- 2 Tool Locking Plates
- Operating Manual
- Maintenance Manual
- Hand Tool Kit
- Chip Conveyor And Cart
- Live Center

OPTIONAL ACCESSORIES:

- 6" Hydraulic Hollow Chuck
- Revolving Quill Tailstock
- Parts Catcher
- VDI Live Tool Holder
- Spindle Orientation & Brake
- Live Tool Turret
- Tool Pre-Setter
- Air Blowing System
- Collet Chuck System
- Auto Door
- Auto Bar Feeder Interface
- Auto Bar Feeder
- 3 Color Alarm Lamp

CONTROLLER FUNCTIONS:

- FANUC OT-C CNC System W/ Standard Functions
- Memory Length: 20M
- Tool Compensation Functions
- Canned Cycle G90,G92,G94
- Multi Repetitive Cycle G70~76
- S4/S5 Spindle Function
- Constant Surface Speed Control
- Manual Pulse Generator
- Input Of Offset
- Inch/Metric Input

www.acramachinery.com
ACRA MT-42SG/42ST SLANT BED CNC LATHES

SPECIFICATIONS		MT-42SG	MT-42ST
CAPACITY	Swing Over Bed	14"	14"
	Swing Over Cross Slide	6.3"	6.3"
	Between Centers	9.8"	9.8"
	Max Turning Length (Jaw Faces)	9.8"	9.8"
	Max Turning Dia.	11.8"	11.8"
SPINDLE	Chuck	6"	6"
	Bar Capacity	1 5/8"	1 5/8"
	RPM	5,000	5,000
	Nose	A2-5	A2-5
	Motor	11.25 HP	11.25 HP
	Front Bearing I.D.	2.95"	2.95"
TURRET (ST Only)	Tool Stations	N/A	8
	Type	N/A	Roller Gear, Bi-Directional
	Index Speed	N/A	0.3 SEC
	Std Tool Size	N/A	3/4" x 3/4"
	Max Boring Tool	N/A	1"
AXES	X Travel	5"	5"
	Z Travel	11.8"	11.8"
	X / Z Feedrate	0.04 - 157 IPM	0.04 - 157 IPM
	X, Z Rapid	590 IPM	590 IPM
ACCURACIES	Positioning	0.0002" / 4"	0.0002" / 4"
	Repeatability	± 0.00004"	± 0.00004"
TAILSTOCK (ST Only)	Quill Diameter	N/A	2"
	Quill Stroke	N/A	3.94"
	Quill Taper	N/A	MT #4
	Quill Operation	N/A	Programmable
	Tailstock Travel	N/A	7.8"
OVERVIEW	Ways	Box, 56-58 HRC	Box, 56-58 HRC
	Net Weight	4,410 LBS	4,851 LBS
	Control	FANUC 0T-C	FANUC 0T-C
	Chip Conveyor	Standard, Steel Hinge Type	Standard, Steel Hinge Type

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.