

www.acramachinery.com
ACRA AM5 PRECISION MILLING MACHINES

FEATURES:



- Class 7 Angular Contact Bearings
- Certified Meehanite Casting
- Build In Power Knee
- Auto Lube System
- Ram Locking System U.S. Patent #4990039 Utilizing 6 T-Bolts
- #40 NST STD. w/ Erickson Thread
- Hand Scraped Turret-Column Ways
- Square Y & Z Ways
- Dust Cover For Knee And Crossfeed Ways
- Precision Hardened And Ground Table With Turcite
- Double Wall Column
- Built-In Coolant Tank In Base

STANDARD EQUIPMENT:

- Hardened & Ground Table & Ways
- Double Wall Construction
- Coolant System
- Splash Guard
- TURCITE On The X & Y Axis
- Z Axis Power Rapid
- Quill Heat Treat Hardened & Chromed

| SPECIFICATIONS | | AM5V | AM5AC |
|----------------|-------------------------------|-------------------|-------------------|
| TABLE | Table Size | 12" x 58" | 12" x 58" |
| | Longitudinal Travel (X Axis) | 42" | 42" |
| | Cross Travel (Y Axis) | 15 1/2" | 15 1/2" |
| | Vertical Knee Travel (Z Axis) | 16" | 16" |
| | Over Ram Travel | 21" | 21" |
| | T-Slot Number , Size | 3 , 5/8" | 3 , 5/8" |
| SPINDLE | Spindle Motor | #40 | #40 |
| | Spindle Speed | Inf. Vari. | Inf. Vari. |
| | Spindle RPM | 50~3,750 RPM | 50~5,000 RPM |
| QUILL | Quill Diameter | 4" | 4" |
| | Quill Travel | 5" | 5" |
| POWER | Main Motor | 5 HP | 5 HP |
| | Voltage | 220/440V AC/3PH | 220V 1PH/3PH |
| WEIGHT | Net Weight | 3,960 LBS | 3,960 LBS |
| | Dimension W.x L. | 72 1/2" x 58 1/2" | 72 1/2" x 58 1/2" |

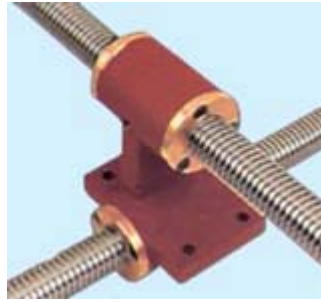
NOTE! The manufacturer reserves the right to modify the design, specifications, & mechanisms to improve the performances of the machines without notice. All specifications above are for your reference only.

ACRA AM5 PRECISION MILLING MACHINES



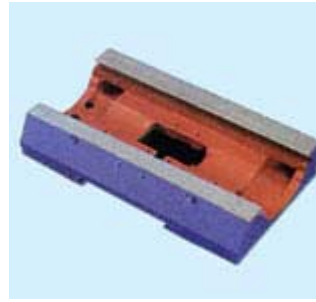
DOUBLE-LOCK-DEVICES & ONE SHOT LUBE

The Knee, Arm, Table & Saddle Are Each Equipped With A Pair of Locks To Firmly Clamp Each Axis And To Eliminate The Possibility of Lateral Movement.



BACKLASH ADJUSTMENT

The Double Nut Arrangement Utilized On The Table And Saddle Allows Backlash To Be Nearly Eliminated And Can Be Adjusted In A Matter Of Minutes



PRECISION HAND SCRAPING

The Upper & Lower Surface Of The Saddle Are Laminated With TURCITE-B And Precisely Hand Scraped To Provide A Smooth, Accurate And Wear Resistant Slideway Surface.



ACCURATELY GROUND QUILL & HOUSING

Hardened And Ground Spindle Back-Gears. The Hard Chromed Quill Is Ground To Mirror Finish And Fitted To The Quill Housing To Ensure Smooth Movement, Excellent Rigidity And Offers Extreme High Spindle Accuracy.



HIGH PRECISION SPINDLE

The Spindle Is Supported By Super Precision Class 7 (P4) Angular Contact Ball Bearings Which Have Been Accurately Measured, Selected And Preloaded, Then Assembled In A Temperature Controlled Room To Ensure Accuracy And Rigidity Throughout The Full RPM Range.



MEEHANITE CAST IRON

All Essential Castings Are Made Of High Grade Meehanite Cast Iron Which Has Been Stress Relieved To Provide A Rigid Machine Structure.



LOW VIBRATION VARIOUS SPEED HEAD

The Quietest Head You Ever Used, With Dynamically Balanced Pulleys And Chrome-Plated Motor Shaft For Smooth Speed Changing Free Of Noise And Vibration.