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ACRA AM2 PRECISION MILLING MACHINES



FEATURES:

- Class 7 Angular Contact Bearings
- Certified Meehanite Casting
- Ram Locking System U.S. Patent #4990039 Utilizing 6 T-Bolts
- Hand Scraped Turret-Column Ways
- Dust Cover For Knee And Crossfeed Ways
- Precision Hardened And Ground Table With Turcite
- Precision Hardened And Ground Ways
- Double Wall Column
- Built-In Coolant Tank In Base

STANDARD EQUIPMENT:

- Hardened & Ground Table & Ways
- Double Wall Construction
- TURCITE On The X & Y Axis
- Quill Heat Treat Hardened & Chromed

SPECIFICATIONS		AM2S	AM2V	AM2AC
TABLE	Table Size	9" x 42" , 9" x 49"	9" x 42" , 9" x 49"	9" x 42" , 9" x 49"
	Longitudinal Travel (X Axis)	30" , 35 1/2"	30" , 35 1/2"	30" , 35 1/2"
	Cross Travel (Y Axis)	12 1/2"	12 1/2"	12 1/2"
	Vertical Knee Travel (Z Axis)	16"	16"	16"
	Over Ram Travel	12 1/4"	12 1/4"	12 1/4"
	T-Slot Number , Size	3 , 5/8"	3 , 5/8"	3 , 5/8"
SPINDLE	Spindle Motor	R-8 or #30	R-8 or #30	R-8 or #30
	Spindle Speed	2 Speed	Inf. Vari	Inf. Vari
	Spindle RPM	80~5,440 RPM	65~4,200 RPM	50~5,000 RPM
QUILL	Quill Diameter	3 3/8"	3 3/8"	3 3/8"
	Quill Travel	5"	5"	5"
POWER	Main Motor	2HP	3HP	3HP
	Voltage	220V OR 440V Only	220/440V AC/3PH	220V/3PH/1PH (Opt 440V)
WEIGHT	Net Weight	2,200 LBS	2,200 LBS	2,200 LBS
	Dimension W.x L.	54" x 48"	54" x 48"	54" x 48"

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.

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**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.