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**ACRA 618B MANUAL SURFACE GRINDER**



#### **MACHINE CONSTRUCTION**

- Main Parts Of The Machine Such As Base, Column, Saddle Are Made of Meehanite High Quality Cast Iron, Which Are Stress Released By Annealing To Ensure Stable Rigidity And High Accuracy And Extend Machine Life

#### **SLIDEWAYS (BALL WAYS OR TURCITE WAYS)**

- Both Longitudinal & Cross Slide-Ways Are Precisely Hand-Scraped And Laminated With TURCITE-B Providing A Smooth Travels And Ever Low Wearing, Mostly Suitable For Grinding.
- Ball Ways Are Available For Hand Feed Grinder. Finely Selected Steel Balls Are Utilized For A Light Grinding Jobs And Maximize Working Efficiency.
- Cross Slideways On "DOUBLE VEES" Structure To Ensure The Highest Accuracy.

#### **CENTRALIZED CONTROL PANEL**

- All Buttons & Switches Are Situated On The Control Panel For An Easy And Convenient Operation.

#### **SPINDLE**

- The Precision Cartridge Spindle, Greased & Free Of Maintenance, Is Incorporated With 4 Pieces Of Preloaded Class 7 Super precision Angular Contact Ball Bearings In A Room with Constant Temperature Offering A Stable & Noise-Free Rotation So As To Extend Its Longevity. The Spindle Is Directly Mounted Onto The Motor For Direct Drive. It Not Only Provides A High Torque But Also Vibration Free Under Heavy Grinding.

#### **AUTOMATIC LUBRICATION SYSTEM**

- Automatic Lubrication System Is Furnished As Standard To Provide Ample Lubrication On All Slideways And Leadscrews Enabling A Smooth Movement So As To Minimize Wearing Possibility.

#### **STANDARD ACCESSORIES:**

- Grinding Wheel
- Wheel Flange
- Flange Extractor
- Halogen Light
- Diamond Wheel Dresser
- Wheel Balancing Arbor
- Leveling Screws And Plates
- Dust Guard
- ACRA Permanent Magnetic Chuck 6X18
- Auto Lubrication

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**OPTIONAL ACCESSORIES:**

- Kanetsu Permanent Magnetic Chuck
- Kanetsu Fine Line Permanent Magnetic Chuck
- Kanetsu Electromagnetic Chuck
- Kanetsu Fine Pole Electromagnetic Chuck
- Chuck Controller
- Coolant System With Splash Guard
- Dust Collector
- Coolant & Dust Collector
- Parallel Dresser
- Wheel Flange
- Digital Read-Out
- D.R.O. Installation

SPECIFICATIONS		618 B
<b>CAPACITY</b>	Table Size	6" x 18"
	Max. Grinding Length x Width	18 3/4" x 16 1/3"
	Dist. From Table To Spindle Center	15 3/4"
	Grinding Wheel Size (Dia x Width x Bore)	7" x 2/3" x 1 1/4"
<b>LONGITUDINAL MOVEMENT</b>	Manual Travel	19"
	Hydraulic Traverse	N/A
	Table Speed	N/A
<b>CROSS MOVEMENT</b>	Manual Travel	7"
	Handwheel Per Graduation	0.001"
	Handwheel Per Revolution	0.2"
<b>VERTICAL DOWNFEED</b>	Handwheel Per Graduation	.00002"
	Handwheel Per Revolution	0.05"
<b>POWER</b>	Spindle Speed	3600 RPM
	Spindle Motor	2 HP
	Voltage	220/440V AC / 3 PH
<b>WEIGHT &amp; DIMENSION</b>	Net Weight	1,584 LBS
	Shipping Weight	1,870 LBS
	Dimension (L x W x H)	55" x 45" x 78"

**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.