

[www.acramachinery.com](http://www.acramachinery.com)  
**ACRA 1632 AUTOMATIC SURFACE GRINDER**



#### **CARTRIDGE-TYPE PRECISION SPINDLE**

- Spindle Is Supported By 4 Pieces Preloaded Super Precision Angular Contact Ball Bearing to Assure Excellent Accuracy, And This Outstanding Designed Spindle Is Suitable For Heavy Duty Grinding Jobs.

#### **DOUBLE WALL & STRESS RELIEVED MAIN CASTINGS**

- The Main Machine Parts-Base And Column Are Made Of High Quality "Double Wall" Cast Iron With Annealing Treatment To Eliminate The Internal Stress And Also With Ribs To Give High Stiffness And Stability for All Kind Of Grinding Jobs

#### **MICRO-PROCESSOR BASED CONTROL**

- Micro-Processor Based Control Provides Powerful Function, Trouble Free operation And Easy Maintenance.

#### **LOW-FRICTION COATED SURFACE**

- The Slideways Consist Of One Piece Cast Iron, Surface In Contact With "TURCITE-B" Surface of Longitudinal Table Ways Are All Precision hand Scraped, And Guarantee The Contact Point Over 60~70%, Ensure Very High Accuracy And High Resistance. Automatic-Saddle Intermittent Feed Is Driven By A Electric And Feed Motor Can Be Pre-Set From 0.006"~1" With Variable And Smooth movement Of Saddle, The Machine is Suitable For Rough And Fine Grinding.

#### **AUTO-DOWN FEED-3 AXIS AUTOMATIC TYPE**

- Vertical Driven By "STEPPING MOTOR", Easily Setting For rough Grinding, Fine Grinding And Sparkout Grinding Feeds. And Intermitted Setting Tarrytime For Rough Grinding, Find Grinding And Sparkout Grinding.

#### **STANDARD ACCESSORIES:**

- Grinding Wheel
- Wheel Stand
- Flange Extractor
- Diamond Wheel Dresser
- Wheel Balancing Arbor
- Halogen Light
- Wheel Flange
- Leveling Screws & Plates

#### **OPTIONAL ACCESSORIES:**

- Kanetsu Electromagnetic Chuck
- Kanetsu Fine Pole Electromagnetic Chuck
- Chuck Controller
- Coolant System
- Coolant & Dust Collector System
- Paper Strip Filter With Magnetic Separator
- Rapid Vertical Feed
- (NC) Computerized Vertical Down Feed
- Parallel Dresser
- Wheel Flange
- D.R.O.
- D.R.O. Installation

[www.acramachinery.com](http://www.acramachinery.com)  
**ACRA 1632 AUTOMATIC SURFACE GRINDER**

SPECIFICATIONS	1632 HS
Table Size	16" x 32"
Max. Table Travel	18" x 35"
Max. Surface Ground	16" x 32"
Dist. From Table To Spindle Center	25"
Grinding Wheel Size (Dia x Width x Bore)	16" x 2" x 5"
Table Speed Per Minute	16'~82'
Table Guideway	F-V
Auto Cross Feed Increment	0.004"~1.2"
Cross Feed On Hand Wheel (rev./gra)	0.2"/0.001"
Micro Feed On Crossfeed (rev./gra)	Optional 0.004"/0.00005"
Micro Feed On Vertical (rev./gra)	Optional 0.001"/0.00005"
Rapid Power Head Elevation	Optional
Auto Down Feed (Optional)	Step Motor 0.0001"~0.0999"/Time
Vertical Feed On hand Wheel (rev/gra)	0.05"/0.0002"
Grinding Wheel Speed	1,750 RPM
Spindle Motor	7 1/2 HP
Hydraulic Pump Motor	2 HP
Auto Cross Feed Motor	1/5 HP
Rapid Head Elevation Motor (Optional)	1/5 HP
Table Load	880 LBS
Net Weight	7,150 LBS
Shipping Weight	7,700 LBS
Dimension (L x W x H)	109" x 90" x 88"

**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.