

**IG 382 SD Specifications****Motors**

Grinding Spindle Motor	30HP, 200 - 1180RPM
Rotary Table Motor	3HP, 10 - 70RPM
Servo Column Motor	3.5KW
Coolant Pump	3/4HP, 45GPM

**Table**

Diameter	36"
	Thru-spindle vacuum/pressure feed
Table Features	Variable strength 3/4" fine pole electromagnetic chuck

*Contact a DCM Technical Specialist for other custom table & fixturing options*

**Capacity**

Max Swing Diameter	40"
Max Part Height	11" with a segmented wheel 9-3/4" with a 2A2T wheel

**Grinding Wheel Options**

2A2T Superabrasive or Conventional Segments	20" diameter
Cortland Style Hub & Segments	22" diameter

*Ask a DCM Technical Specialist about our wide variety of available abrasives*

**Feed System**

Servo driven Z-axis with precision ballscrew and encoder  
Feedrate variable from 0.0004 IPM to 0.1000 IPM  
Servo drive X-axis for precision positioning

**Electrical Requirements**

460V, 50/60Hz, 3 phase

*Consult DCM Technical Specialist regarding operation on other voltages*

**Dimensions**

103" wide, 73" deep, 86" high

**Weight**

Machine & Swarf System: 12,000lbs approximately

Electrical Box: 1,100lbs approximately

**IG 382 SD FEATURES**

- 36" variable speed electromagnetic chuck with auto demag cycle
- 30HP grinding spindle motor
- Integral coolant filtration & mist collection systems
- Easy to operate touchscreen controls
- Mitsubishi FX5U PLC
- 3 Grinding Modes - Conventional, Incremental and Grind to Height
- Regrind feature allows re-running previous grind sequence without reprogramming
- Continuous grind - the machine can automatically cycle through grind 1, 2 & 3
- Servo-driven precision control of both Z and X-axis with absolute home positioning
- The cross slide X-axis moves with manual pulse generator
- Backlash compensation on both axes
- Password protection & operator lockout features
- SECS/GEM Interfaced to work with 3rd party Scada type software
- Password protection and operator lock-out features
- Automatic routine maintenance reminders
- 76" x 64" Footprint