

**IG 482 SD Specifications****Motors**

Grinding Spindle Motor	50HP, 200 - 1180RPM
Rotary Table Motor	3HP, 5 - 70RPM
Servo Column Motor	5KW
Coolant Pump	3/4HP, 45GPM

**Table**

Diameter	48"
	Thru-spindle vacuum/pressure feed
Table Features	Variable strength 3/4" fine pole electromagnetic chuck

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

**Capacity**

Max Swing Diameter	52"
Max Part Height	12" with grinding segments retracted 10-1/2" with a 2A2T wheel

**Grinding Wheel Options**

2A2T Superabrasive or Conventional Segments	26" diameter
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Cortland Style Hub & Segment 26" 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 0.0006 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**

137" wide, 82" deep, 88" high

**Weight**

Machine & Swarf System: 14,500lbs. (estimated)

Electrical Box: 1,500lbs. (*estimated*)

## **IG 482 SD FEATURES**

- 48" variable speed electromagnetic chuck with auto demag cycle
- 50HP 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
- 120" x 82" Footprint