

IG 282 SD Specifications**Motors**

Grinding Spindle Motor	20HP, 200 - 2330RPM
Rotary Table Motor	1HP, 5 - 70RPM
Servo Column Motor	2KW
Coolant Pump	3/4HP, 45GPM. Optional 30HP

Table

Diameter	24"
	Thru-spindle vacuum/pressure feed
Table Features	Variable strength 3/4" fine pole electromagnetic chuck <i>18" diameter</i> <i>T-slot or drilled for customer fixtures</i> <i>Optional servo drive</i>
<i>Custom Table Options</i>	

Capacity

Max Swing Diameter	27"
Max Part Height	11" with a segmented wheel 12" with a 2A2T wheel

Grinding Wheel Options

Segmented Wheel Hub Kits	12" or 15" diameter
2A2T Ring Wheel Hub	12" diameter
6A2 Wheel Hub	8" diameter
Cortland Chuck	12" or 15" diameter

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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

230V, 50/60Hz, 3 phase

Consult DCM Technical Specialist regarding operation on other voltages

Dimensions

80" wide, 68" deep, 90" high

Weight

Machine & Swarf System: 5,480lbs.

Electrical Box: 960lbs.

IG 282 SD FEATURES

- 24" variable speed electromagnetic chuck with auto demag cycle
- 20HP grinding spindle motor (*optional 30 HP 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 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