



# PG-912DG

## ENCLOSED CENTERLESS FORM GRINDER

The PG-912DG Enclosed Centerless Form Grinder uses a 12" wide work wheel and servo motors to reduce setup times, increase throughput, and maintain tighter tolerances. The enclosed design features a simple touch-screen HMI, and remote connectivity and data collection. Combined, these functions help to generate more uptime and produce higher quality parts, something every manufacturer strives to attain.



### KEY FEATURES

- 12" wide work wheel allows manufacturers to grind more parts per cycle. In testing, throughput increased throughput by as much as 30%.
- Interlocks prevent opening the enclosure while the grinder is running.
- Servo motors automatically adjust the oscillating regulating wheel to the pre-programmed position, reducing setup time.
- Precise positioning maintains tight tolerances and improves sphericity. In testing, a Cpk two times greater than the existing process was achieved.
- The thick granite machine bed provides enhanced rigidity, as well as thermal and vibratory stability, maintaining a high-quality part.
- The machine software interface was developed to allow an unskilled operator to run multiple high precision machines simultaneously.
- Automated feeding systems can be integrated at the top or side of the machine depending on the application.

### SPECIFICATIONS

**Work Wheel Dimensions:** 9" (229mm) diameter x 12.625" wide (321mm)

**Work Wheel Power:** 15HP (11kW)

**Grinding Diameter Capacity Max:** 4" (102mm)

**Grinding Diameter Capacity Min:** 0.002" (0.05mm)

**Infeed Rate:** 0.01"-.4"/sec

**Surface Feet:** 5,780

**Platform:** Granite

**Operational Mode:** Plunge

**Controller:** Multi-axis

**Electrical requirements:** 480VAC, 3PH, 60Hz, 40A

**Air requirements:** 80-90PSI, 3CFM

**Machine Footprint:** 76.5" x 48.25" x 94" (194cm x 123cm x 239cm)

**Machine Weight:** 3700lbs (1678kg)



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