



PG-9CRG

OD GRINDING SYSTEM

The Glebar PG-9CRG OD Grinding System is a compact machine that shapes the diameter on parts where the diameter of the piece is concentric to the centerline of the part. For profiles up to 12" wide, this machine is capable of grinding a shape in components concentric to a center shaft much faster than competing systems since the plunge operation shapes the component in one motion rather than having an OD grinder "chase" the shape over the length of the part. The PG-9CRG manufactures products from rubber rollers for laser printers to dental drills.



KEY FEATURES

- The fully programmable slide can be positioned to an accuracy of 0.1 microns.
- Interfaces with robots and seamlessly attaches to non-contact inspection systems for complete, hands-off operation.
- An available robot incorporates two grippers for loading and unloading during the grind cycle, reducing cycle time.
- An available dressing system automatically advances a diamond tool and dresses the work wheel while tracing a formed template.
- Precision collets ensure optimum concentricity control.
- Collet rotation and speed variability optimize the grinding process for efficient material removal at fast, controlled speeds.
- Remote connectivity simplifies troubleshooting and maintenance.

SPECIFICATIONS

Work Wheel Diameter: 9" (229mm) diameter

Work Wheel Length: 12.625"

Stock Size: Diameter **2" (50.8mm)**, **0.375" (9.5mm) Min**, Shaft **1.5" (38.1mm)**, **0.187" (4.76mm) min**, Ground roll face **12.625" (321mm) max.** (custom sizes available)

Roundness: 0.0005" (13µm)

Work Wheel Power: 15HP (11kW)

Work Wheel RPM: 2,400

Machine Weight: 4,000 lbs (908 kg)

Grinding Length: 12.625" (32cm)

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

Air requirements: 80-90PSI, 3CFM

Machine Footprint: 141" x 48" x 94" (358cm x 122cm x 239cm)



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