

PG-9CRG

OD Grinding System



The PG-9CRG is a compact machine that can perform the functions of a much larger OD machine. 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.

Precision collets insure optimum concentricity control. Coupled with variable speed collet rotation and slide velocity, the grinding process can be optimized for efficient material removal at fast, controlled speeds.

Originally designed to process rubber rollers for printer toner cartridges, this

machine excels at holding a very tight concentricity spec. The fully programmable slide can be positioned to an accuracy of 0.1 μ m. The machine is simple to operate using Glebar's intuitive user interface. The PG-9CRG can also interface to robots and seamlessly attaches to non-contact inspection systems for a complete, hands-off operation.

The wide grinding wheel can be dressed using a template tracing dresser mounted on the machine. Variable speed oscillation of the work head can dramatically improve surface finish of the ground component.

THE GLEBAR ADVANTAGE

Traditional OD grinding methods rely on CNC programming to profile shapes. Although adequate for prototyping, an OD machine is slow since the grinding head has to traverse the length of the part. Alternatively, the PG-9CRG is able to form components in one shot.

Also, the PG-9CRG leverages Glebar's vast knowledge in grinding wheel compositions to match the optimum grinding wheel for your material. As a compact machine that can be highly automated, this machine can be simply adapted to grind small components using the installed collets.



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SINCE 1952

Glebar Company
527 Commerce Street
Po Box 623
Franklin Lakes, NJ 07417-0623

800-235-5122 | info@glebar.com | www.glebar.com

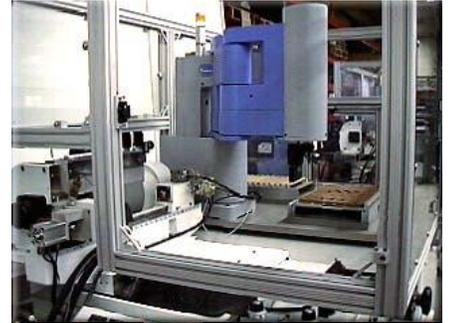
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KEY FEATURES

- Precise slide positioning
- Simple operator interface
- Fully customizable cycle
- Remote control and monitoring
- Oscillating grinding wheel assembly
- Rigid and compact design
- Safe clean enclosure
- Hard chrome slides
- Automatic way lubrication
- Super precision, twin grip spindle



SPECIFICATIONS

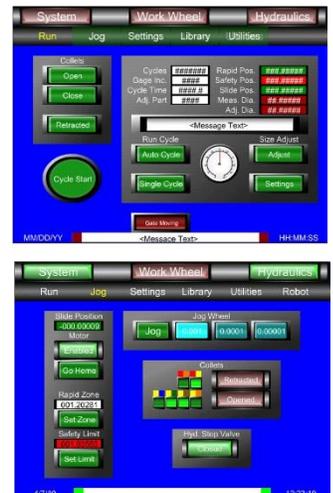
- Grinding wheel: 9" diameter, 12-5/8" length, diamond or vitrified
- Stock Size: diameter 2" (50.8mm), 0.375" (9.5mm) min, shaft 1.5" (38.1mm), 0.187" (4.76mm) min, ground roll face 12-5/8" (321mm) max. Custom sizes available.
- Work wheel spindle power: 15HP
- System controls: NEMA 4 rated

ACCESSORIES

- Robotic pick & place
- Hydraulic template tracing work wheel dresser
- Three stage recirculating coolant system
- Wheel balancing system

GRINDS

- Composite
- Rubber
- Metal



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