



PG-9DHD

CENTERLESS FORM GRINDER

The Glebar PG-9DHD Centerless Form Grinder is a high-precision version of the Glebar PG-9BHD. With its 10" wheel, this form grinder is capable of multiple-part-per-cycle grinding, also offering precise slide positions and controllability. Glebar's unique form grinding process can shape any spherical or cylindrical component into unlimited forms on a large variety of materials. When automated, this machine's productivity and performance are nearly impossible to surpass. Chances are, that in every household, you will find a component that was ground on a Glebar Form Grinder including deodorant balls, golf balls, composite spindles, contact lens blanks, check valves, frac balls, fuses, insulators, and many more.



KEY FEATURES

- Multiple parts per cycle can be generated in a single infeed motion.
- Can be fitted with a 15HP main spindle motor for heavy grinding of materials such as G10 fiberglass to turn cylinders into balls.
- To shape the grinding wheel, the machine can become a work wheel dresser allowing the operator to manually dress the grinding wheel on the machine.
- The control software is entirely developed at Glebar and is fully customizable to address your application and process. An intuitive touch-screen interface allows for ease of use and flexibility.
- Precision collets ensure optimum concentricity control.
- The machine software interface was developed to allow an unskilled operator to run many high-precision machines simultaneously.
- Remote connectivity simplifies troubleshooting and maintenance.
- Feeding systems for rod or ball feeding from the top or side of the machine include semi-automated systems for testing and small production runs up to stainless-steel hoppers that can hold thousands of balls.
- Available as an enclosed version with safety interlocks.
- Cast iron frame standard; also available with granite machine bed for increased thermal insulation and reduce vibration.

SPECIFICATIONS

Grinding Diameter Capacity: Min: 0.002" (0.05mm) - Max: 4" (100mm)

Roundness: 0.0002" (5µm)

Work Wheel Diameter: 9" (229mm)

Work Wheel Length: 10.125" (257mm)

Work Wheel Power: 7.5HP (5.6kW), 10HP (7.5kW), or 15HP (11kW)

Work Wheel RPM: 2,375

Regulating Wheel Power: 2HP (1.45kW)

Regulating Wheel RPM: 10 - 400

Machine Weight: 2,000 lbs (908 kg)

Grinding Length: Max10" (254mm)

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

Air requirements: 80-90PSI, 3CFM

Machine Footprint: 47" x 39" x 50" (119cm x 99cm x 127cm)

Resolution: 0.1µm (0.000004")

Hydraulic Pump Motor Power: 2HP (1.5kW)



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