Glebar has over 60 years of Form grinding experience – having introduced the first compact Form grinder to the market in 1952, our history is firmly rooted in this type of grinding.

The PG-9DHD Centerless Form Grinder is an adaptation of the Glebar workhorse, the PG-9BHD. Similar in basic functional configuration as the BHD machine, the DHD is a high precision version. With its 10” wheel, this Form grinder is capable of multiple-part-per cycle grinding, also offering slide positions and controllability not achievable for the more basic PLC driven unit. Glebar’s unique Form grinding process can shape any spherical or cylindrical component into unlimited forms on a large variety of materials. This highly productive method of manufacturing surpasses competing methods where cutting tools or back knives are used. When automated, this machine’s productivity and performance is nearly impossible to surpass. Chances are, that in every household, you will find a component that was ground on a Glebar Form Grinder. Example grinding applications include deodorant balls, golf balls and pen nibs, drumsticks, composite spindles, contact lens blanks, check valves, frac balls, fuses, insulators and many more.

10” Wide Work Wheel for Multiple Part Per Cycle Capability
Since this machine accepts a 10” wide grinding wheel, multiple parts per cycle can be generated in a single infeed motion and with our vast knowledge base of material matching, we can marry the optimum grinding wheel to handle almost any material – from foam to diamonds.

Powerful 15HP Motor and Rigid Spindle for Heavy Grinding
The PG-9DHD can be fitted with a 15HP main spindle motor for heavy grinding of materials such as G10 fiberglass turning cylinders into balls. The spindle is a high precision twin grip setup with cartridge bearings. A stepper driven hard chrome plated regulating wheel slide is dovetail ground for longevity, yet smooth due to our use of Turcite for gibs.

Work Wheel Dressing Options
To shape the grinding wheel, the machine has the ability to become a work wheel dresser allowing the operator to manually dress the grinding wheel on the machine. Also, if you wish to automate this process, we offer two other options. The DM-9B Dresser (offline system used to dress the grinding wheel), or the more advanced DM-9CNC (a CNC programmable wheel dressing machine that can be operated using our simple touch screen control).

Intuitive HMI Controls
The control software is entirely developed at Glebar and is fully customizable to address your application and process. The intuitive touch screen interface allows for ease of use and flexibility. The machine software interface was developed to allow an unskilled operator to run many high precision machines simultaneously.

Remote Connectivity
Remote connectivity simplifies troubleshooting and maintenance.

Automation and Accessories
A variety of feeding systems are available for rod or ball feeding from the top or side of the machine, from semi-automated systems for testing and small production runs all the way up to stainless-steel hoppers that can hold thousands of balls. Custom solutions tailored to specialty applications are also available.
KEY FEATURES

- Small footprint
- High power
- Simple operation
- Many feeder options
- Quick grinding wheel replacement.
- Built to last

SPECIFICATIONS

- Grinding Diameter Capacity: Min 0.002" (0.05mm), Max 4" (100mm)
- Roundness: 0.0002" (5µm)
- Work Wheel Diameter: 9" (229mm)
- Work Wheel Power: 7.5HP (5.6kW), 10HP (7.5kW), or 15HP (11kW)
- Work Wheel RPM: 2375
- Work Wheel Length: 10-1/8" (257mm)
- Regulating Wheel Power: 2HP (1.45kw)
- Regulating Wheel RPM: 10 - 400
- Machine Footprint: 47"x39"x50" (119x99x127cm)
- Grinding Length: MAX 10" (254mm)
- Resolution: 0.1µm (0.000004")
- Hydraulic Pump Motor Power: 2HP (1.5kW)

Visit our website for a full list of available accessories for this machine.

www.glebar.com/machines/PG-9DHD