PG-9x20DHD

CENTERLESS FORM GRINDER

The Glebar PG-9x20DHD centerless grinder was designed to form ceramic components such as unfired carbide and crystal quartz glass boules used to produce fiber optics by Form Grinding the carbide in the soft state to near net size.

- Built on the compact base of the Glebar PG-9DHD machine.
- An extended 20" (508 mm) work wheel and regulating wheel allow several components to be ground simultaneously.
- Uses a rigid, hard chromed, slide assembly with a resolution of 0.1 micron.
- Slide velocity and position are controlled through operator-friendly touch-screen HMI with custom-designed software.
- A 20" long 0.5" diameter green tungsten carbide rod can be formed to 0.250" in less than 12 seconds maintaining an accuracy of 0.001" (25 µm).
- Remote connectivity simplifies troubleshooting and maintenance.
- Servo-motor driven regulating wheel slide.
- Industrial workstation control.
- Built-in hoist for easy removal of diamond work wheel and spindle assembly

SPECIFICATIONS

Grinding Diameter Capacity: Min: 0.002" (0.05mm) - Max: 4" (100mm)
Work Wheel Diameter: 9" (229mm)
Work Wheel Length: 20" (508mm)
Work Wheel Power: 15HP (11kW)
Work Wheel RPM: 2,400
Regulating Wheel Power: 2HP (1.5kW)
Regulating Wheel RPM: 10 - 400
Machine Weight: 1,800 lbs (817 kg)

Grinding Length: Max 20" (508mm)
Electrical requirements: 480VAC, 3PH, 60Hz, 40A
Air requirements: 80-90PSI, 3CFM
Machine Footprint: 47" x 39" x 50" (119cm x 99cm x 127cm)
Resolution: 25µm (0.0001")

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Medical Manufacturing Technologies (MMT) brings together applications expertise, technical solutions, and aftermarket support to revolutionize medical device manufacturing. Learn more at mmt-inc.com.

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