



TF-9D

INFEED/THROUGHFEED CENTERLESS GRINDER

The Glebar TF-9D Infeed/Throughfeed Centerless Grinder uses computer controls to grind both hard and soft materials including catheters, medical guidewires, and spinal cord stimulators. Inside the compact footprint is a 7HP main spindle motor powering an 8.625" wide work wheel combining to remove more material faster, and with better surface finishes, than similar machines with narrower grinding wheels. The TF-9D is designed to enhance productivity through a simple control interface and automation integration.



KEY FEATURES

- Grinds both hard and soft materials.
- Intuitive touch screen HMI allows an unskilled operator to run multiple high-precision machines simultaneously.
- Closed-loop control via linear scale on the movable slide.
- Interface to measurement instruments allows for automatic size compensation.
- Independent upper and lower slide positioning.
- A single operator can change the work wheel in less than 15 minutes.
- Automatic infeed for forming small shaped parts.
- Remote connectivity simplifies troubleshooting and maintenance.
- Built-in infeed and throughfeed cycles with programmable inputs and positioning.
- Available stationery and removable wheel dressers.
- Full turnkey automation integration available including feeders, robots, pick/place gantry, gauging, cleaning, and sorting assemblies.
- Glebar P4K Gauging System available to feed diameter measurements to the control system for automatic size compensation.

SPECIFICATIONS

Diameter Accuracy: 0.00005" (1.3 μm)

Roundness: 0.00005" (1.3 μm)

Grinding Diameter Capacity: Min 0.002" (0.05mm) - Max 2.5" (63.5mm)

Grinding Length: Infeed 8" (200mm), Thrufeed - no limit

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

Work Wheel Diameter: 9" (229mm)

Work Wheel Width: 8.625" (219mm)

Work Wheel RPM: 2,400

Regulating Wheel Diameter: 4" (100mm)

Regulating Wheel RPM: 10-400

Machine Footprint: 58" x 31" x 71" (147 x 79 x 180cm)

Machine Weight: 2,085 lbs (with granite bed)

Resolution: 0.1 μm (0.000004")

Power: 480VAC, 60Hz, 40A (15HP), 25A (7.5HP)

Air: 4CFM @ 80PSI

Machine Bed: 6" Thick Granite (also available on cast iron)



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