



# CAM.2

## MICRO GRINDING MACHINE

The Glebar CAM.2 Micro Grinder is the perfect machine for grinding small, complex, precision medical applications such as complex medical guidewires, radiuses, needle points, and non-linear shapes. Previously unproduceable parts can be made easily, with minimal setup time, and with limited operator training. Glebar's patented dual-carriage linear motor part feed system ensures that the position, speed, and rotation are under absolute control at all times controlling the grind with a high degree of diameter and length accuracy.



### KEY FEATURES

- Absolute control over the lengths and diameters.
- 3D visualization of part and wheel shape.
- Glebar P4K Gauging System available to feed diameter measurements to the control system for automatic size compensation.
- Secondary Spindle Assembly can be used as a cutoff wheel to grind slots, angular slots, or generate sharp internal corners.
- In-line grit blasting for marker bands or general abrasion.
- OPC or OLE server connection to SCADA or other ERP and data management systems.
- Collects production data and machine status in real-time.
- Available Spool Feeder System feeds Nitinol and SLT wire from a spool and cuts the wire to length.
- CNC work wheel dressing.
- Variable part rotation speed.
- 15" touchscreen HMI with underlying G-code control.
- Fully customizable software.
- Unlimited part/recipe library.
- Available with CE Certification.
- Remote connectivity simplifies troubleshooting and maintenance.
- Patented Multi-Axis Positioning System.
- Continuous feed system.
- Laser interferometer ensures sub-micron accuracy.
- Software interface allows an unskilled operator to run multiple high-precision machines simultaneously.
- Available wheel balancing system.

### SPECIFICATIONS

**Work Wheel Diameter:** 12" (305mm)

**Work Wheel Speed:** variable up to 3,600 RPM; 11,000 SFPM (56 M/S)

**Diameter Resolution:** 0.1  $\mu\text{m}$  (0.000004")

**Length Resolution:** 0.1  $\mu\text{m}$  (0.000004")

**Incoming Stock Diameter Min:** 0.005" (0.13mm)

**Incoming Stock Diameter Max:** 0.250" (6.35mm)

**Minimum Grind Diameter:** 0.0005" (0.013mm)

**Machine Weight:** 3,400 lbs

**Machine Bed:** 6" thick granite

**Feeder lengths:** 6', 12.5', 16' (180cm, 380cm, 500cm)

**Power:** 380-400 VAC / 460-480 VAC, 3PH, 30 A, 50/60 Hz (Voltage Conversion Kit available for other voltages)

**Air:** 4CFM @ 80PSI

**Machine Footprint:** 58" x 45" x 86" (148 x 115 x 219cm)



Glebar is proud to be an MMT company – the sole source for automated, process-driven medical manufacturing. Medical Manufacturing Technologies (MMT) brings together applications expertise, technical solutions, and aftermarket support to revolutionize medical device manufacturing. [Learn more at mmt-inc.com](http://mmt-inc.com).