



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.



Medical guidewire with 0.0005"

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.

To learn more about the CAM.2, including a comprehensive list of features and specifications, please visit:



Comprehensive Features

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- 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 highprecision 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 μ m (0.000004")
Length Resolution:	0.1 μ 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.