The CAM.3 is built to grind medical guidewires, dental parts, and small diameter complex precision parts for various industries faster and with greater precision than other micro grinders.
A revolution in micro grinding, the CAM.3 is built for speed allowing customers to increase production rates and maximize uptime.

The machine is built to feed, spin, and produce at a much faster rate. The collet feeding system is placed closer to the work wheel enabling the CAM.3 to handle longer and shorter components.

In addition, the Y-axis can be tilted enabling the operator to grind sharp corners and put complex geometries into a wire.

**KEY FEATURES**

- Scalable and expandable high performance multi axis motion control
- 16” diameter grinding wheel, 33% more abrasive
- Main spindle tilt of 5 degrees
- Programmable grinding wheel spindle axis rotation
- Built-in wheel balancing for quick setup
- Can run in OD or Centerless modes
- Built on a 4,500 lbs. mineral cast base for superior vibration dampening
- Integrated air and oil lines
- Streamlined enclosure with safety interlocks
- Built-in 6 axis robot pad and control connections
- IIoT enabled connections interfaces built in to monitor temperature, pressure, and vibration
- Built-in heat exchanger cooling system
- Seamless interface with Glebar Advanced Analytics
- Rigid wheel dresser runs at 10,000 RPM
- 6” diameter tiltable secondary spindle runs at 10,000 RPM with the ability to produce true threads
- Direct drive servo grinding wheel spindle with automatic spindle tilting and ABEC 7 spindle bearings
- Touch screen HMI with larger interface, 16:9 aspect ratio
- Windows 10 operating system
- Over 2x linear thru feed speed on newly designed towers
- Over 2x part spin RPM
- Can operate with any type of coolant, oil or water soluble
- Completely programmable overlap sequence single or double
- OD grind up parts to 0.375” in diameter.
- Rotatable collet assemblies are closer to grinding wheel for short components and raw material waste reduction

**SPECIFICATIONS**

- Work Wheel Diameter: 16” (406mm)
- Work Wheel RPM: up to 5,000 RPM
- Diameter resolution: 0.1 µm (0.000004”)
- Length resolution: 0.1 µm (0.000004”)
- Machine Weight: 6,500 lbs.

Visit website for a full list of available accessories for this machine: [www.glebar.com/machines/CAM.3](http://www.glebar.com/machines/CAM.3)

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Glebar is an ISO 9001 certified company