



P5K Gauging System

Revolutionize your metrology process with the Glebar P5K Gauging System - the fastest and most accurate solution for medical guidewire measurement.

Scanning at a remarkable **16,000 diameter readings per second**, the P5K delivers precise, high-quality data that ensures a high-quality product and drives efficiency.

Advanced air bearings ensure the longevity of the scanner head and eliminate mechanical interference typically associated with faster scans. In one operation, inspectors can **easily scan multiple single parts or one long part** by clamping the part in the fixture and in one mouse click begin scanning.

The simple user interface allows inspectors to quickly determine product quality on the manufacturing floor. Extensive analysis data and traceability features comply with the strictest quality requirements. Plus, with the SQL version, data centralization is a breeze across multiple facilities. Common applications include medical guidewires, arthroscopic shavers, and fasteners.



The P5K can scan and profile long parts such as medical guidewires or arthroscopic shavers, or multiple short parts including aerospace fasteners.



Key Features

- Diameter Accuracy: $\pm 0.5\mu\text{m}$ (0.00002")
- Diameter Repeatability: $\pm 0.03\mu\text{m}$ (0.000001")
- Motor: ultra-smooth linear motor with $0.1\mu\text{m}$ (0.000004") resolution
- Data Rate: 40" (1m) of measurement travel in a single scan; high-speed, hard real-time data acquisition at 160kHz
- Scan Rate: up to 9" (225mm) per second
- Three available models: sit, stand, sit/stand
- 5-year extended limited warranty

To learn more about the P5K, including a comprehensive list of features and specifications, please visit:



Comprehensive Features

- Motion supported by air bearings for longevity and frictionless motion.
- Simple, easy-to-use software and user interface.
- Results are presented to operators as a clear Go or No Go.
- Detects and measures even minute defects.
- Measurement is automatic, free of any operator influence.
- Parts are pulled through an optical micrometer.
- Fast scanning provides 16,000 readings per second.
- Provides a diameter and length reading every 30 millionths of an inch.
- No moving parts - stable calibration and no deterioration over time.
- Reporting, lot control, and data aggregation for SPC analysis standard.
- Point-to-point dimensioning by simply clicking on the part features, with unlimited zooming.
- Mounted on precision lapped granite for a qualified and thermally stable surface.
- Supports any combination of English and Metric Units (inch, cm, mm).
- Provides size compensation feedback to the Glebar CAM.2, GT-9AC, and GT-610 CNC.
- Ability to set warning tolerances to alert the operator before a part goes out of tolerance.
- All data, templates, results, and raw scan information are stored for easy product traceability.
- Result data can be imported into Excel, Minitab, or SPC programs.
- SQL version available to centralize data measurements and templates across plants.

Specifications

Diameter Accuracy	: +/- 0.5µm (0.00002")
Machine Weight:	1,300 lbs
Diameter Repeatability:	+/- 0.3µm (0.000001")
Motor:	Ultra smooth linear motor with 0.1µm (0.000004") resolution
Data Rate:	40" (1m) of measurement travel in a single scan. High-speed, hard real-time data acquisition better than 160kHz.
Scan Rate:	Up to 9" (225mm) per second
Power:	110/220 VAC, 50/60Hz, 15/8A
Air:	4CFM @ 80PSI
Measurable Length:	1m standard; 1.4m, 2m available
Machine Footprint:	28" x 76" x 68" (71 x 193 x 172cm)



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.