

FARO® PowerGage



1.2m (48") Working Volume

Ideal for all your small parts, moulds and assemblies.

Temperature & Overload Sensors

Allow the Gage to "sense" and react to thermal variations and improper handling for maximum accuracy.

Internal Counterbalancing

Allows the user to move the Gage easily with one hand without becoming fatigued.

Multi-Probe Capability

Including various ball diameters, touch-sensitive, curved, and extensions.

Extended-Use Battery

Optional — provides true "measure anywhere" capability.

Universal 3.5" Quick Mount

Offers "mount-it-to-where-you-make-it" convenience and less downtime.

Measure It Where You Make It!

Bringing new power to in-process inspection and CAD-to-part verification, the PowerGage includes a high-powered, easy-to-use programmer module, no-train "player" module, and extremely accurate 4ft measurement arm. Program it once and you're done, even directly use CAD data for nominal. It was designed by and for machinists to speed through measurement challenges and produce the most accurate results available. Shop-hardened and temperature-compensated, it allows anyone, anywhere to measure in 3D with previously unheard of precision.

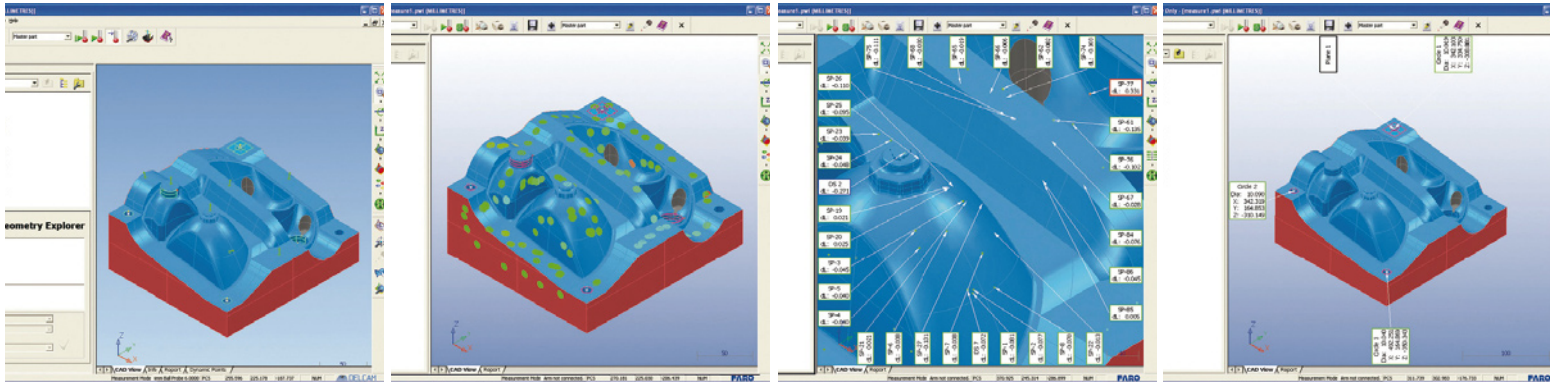
Most Common Applications

Aerospace: Repair & refit • **Tool & die:** Master moulds, tool setup • **Automotive:** Body in white, functional build • **Castings & mouldmaking:** Pre-cast mould, composite tooling

Features

- ▶ High accuracy, low price
- ▶ Write on-machine inspection (OMI) routines
- ▶ Mount and measure parts in process
- ▶ Up to $\pm 0.005\text{mm}$ ($\pm 0.0002''$) accuracy
- ▶ Perform CAD-to-part analysis

Applications



On-Screen Measurement Guidance

PowerINSPECT Programmer

- A stand-alone CAD based software for creating inspection programmes for the PowerGage
- CAD import - All major industry CAD formats supported (IGES, STEP, VDA-FS, U3D, AutoCAD, DGK, DMT, PowerSHAPE Part, STL)
- Builds complete manual inspection sequence offline
 - Surface inspection against CAD
 - Full suite of geometric inspection tools
 - Auto view orientation in the sequence tree
 - Instructions, images and videos in the sequence tree
- Built-in customisable reporting

Instant data from multi-config reporting

FARO PowerINSPECT Play Only

- A simple software designed to be used by anyone in your organisation. Runs with the Gage to execute inspection programs created by the PowerINSPECT Programmer
- Very simple user interface – easy to learn and use
 - Training: 2 hours
 - Can generate graphical and textual inspection reports
 - Multiple-part measurement with one button press
 - Saves all inspection data in original file, ready for offline analysis

Performance Specifications

Model	Measuring Volume	ISO 10360-2	
		E (µm)	R (µm)
PowerGage	1200mm (48") sphere	5+8L/1000	6

B89 Specification based upon testing as outlined by ISO 10360-1 Standards. ISO Specification based upon testing as outlined by ISO 10360-3 Standards.

Hardware Specifications

Operating temp range: 10°C - 40°C (50°F - 104°F)

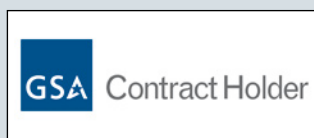
Temperature rate: 3°C/5min. (5.4°F/5min.)

Operating humidity range: 95%, noncondensing

Power supply: Universal worldwide voltage 85-245VAC, 50/60Hz

Certifications: MET (UL, CSA Certified) ▪ CE compliance ▪ Directive 93/68/EEC, (CE Marking) ▪ Directive 89/336/EEC, (EMC) ▪ FDA CDRH, Subchapter J of 21 CFR 1040.10 ▪ Electrical Equipment for Measurement, Control & Lab Use ▪ EN 61010-1:2001, IEC 60825-1, EN 61326 ▪ Electromagnetic Compatibility (EMC) ▪ EN 55011, EN 61000-3-2, EN 61000-3-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11

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