

CAD Resources

Pick nominal geometries with a single click - or let the software find them for you.

New and Improved Alignments

Six-point freeform surface, RPS, and three-geometry alignment.

Image-Guided Measurement

Associate images with various steps of the measurement process.

Efficient User Interface

You choose the workflow method you like best with the flexibility to pick features from any view: in the dialogs, the feature tree, or even inside the CAD view.

Agile Software for Flexible Measurement

Engineered for maximum efficiency in computer-aided measurement and 3D inspection, FARO's proprietary CAM2 Q software allows you to complete high-precision measurement jobs with speed and ease.

Offering you the flexibility to measure the way your process or job requires, CAM2 Q is ideal for CAD and non CAD-based inspection and Geometric Dimensioning and Tolerancing (GD&T). CAM2 Q support features include image-guided measurement, automatic nominal association to various features, and Quicktools for building part programs.

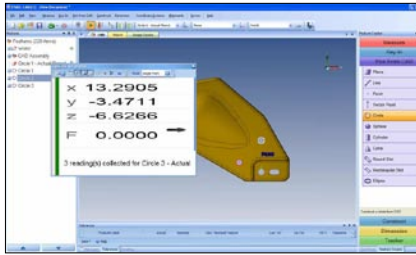
Common Applications

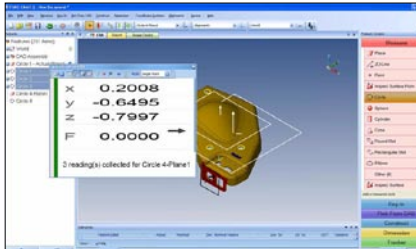
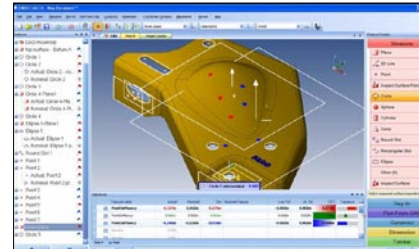
Aerospace: Alignment, tooling & mould certification, part inspection • **Automotive:** Tool building & certification, alignment, part inspection • **Metal Fabrication:** On-machine inspection, first article inspection, periodic part inspection • **Moulding/Tool & Die:** Mould and die inspection, prototype part scanning

Features & Benefits

- ▶ Measure and report using cartesian, cylindrical or spherical coordinate systems
- ▶ Automatic nominal association from CAD
- ▶ Measurement on CAD and material sides of sheet metal parts
- ▶ Export measurements to text, IGES, VDA, STEP and Parasolid formats
- ▶ Measure from various device positions
- ▶ Improved Quicktools: broad variety of commands to make part programs more efficient
- ▶ NIST-tested & PTB-certified fitting algorithms

Features


Image-guided measurement

Best-fit alignment to CAD

Auto association to nominals

Geometric Dimensioning & Tolerancing (GD&T)

Capabilities

Import/Export

- Import/export points to a text file
- Import CAD files
- Export measurement results to CAD
- Export CAD as an XGL

Measurement

- Automatic nominal association
- Digital read out to a feature
- Measure points on CAD surfaces
- Measure and add readings to a feature
- Hard-probe scanning
- GD&T
- Continuous measurement
- Home-in measurement for points
- Measure sheet metal parts
- Laser-line probe scanning of features
- Show readings and whiskers on measured geometry

Alignments

- Coordinate system
- Iterative
- 3.2.1
- Six-point surface
- RPS
- Three-feature

Nominals

- Pick features from CAD (single click)
- Create nominal features by entering values

Programming

- Record steps for a part program (online/offline)
- Play steps in a measurement program
- Integrated programming module

Reporting

- Custom layouts
- Export to HTML, text, Microsoft® Excel, PDF

Specifications

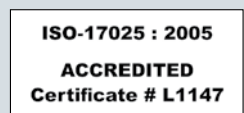
Platform: Windows® Vista ▪ Windows® XP

Data Input: Parasolid®, IGES, VDA/FS, STEP ▪ Optional - Unigraphics®, Solidworks®, CATIA®, Solid Edge®, ProE® & Inventor®

Data Output: IGES

Languages: English ▪ French ▪ German ▪ Spanish ▪ Italian ▪ Japanese ▪ Portuguese ▪ Chinese ▪ Polish ▪ Russian

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