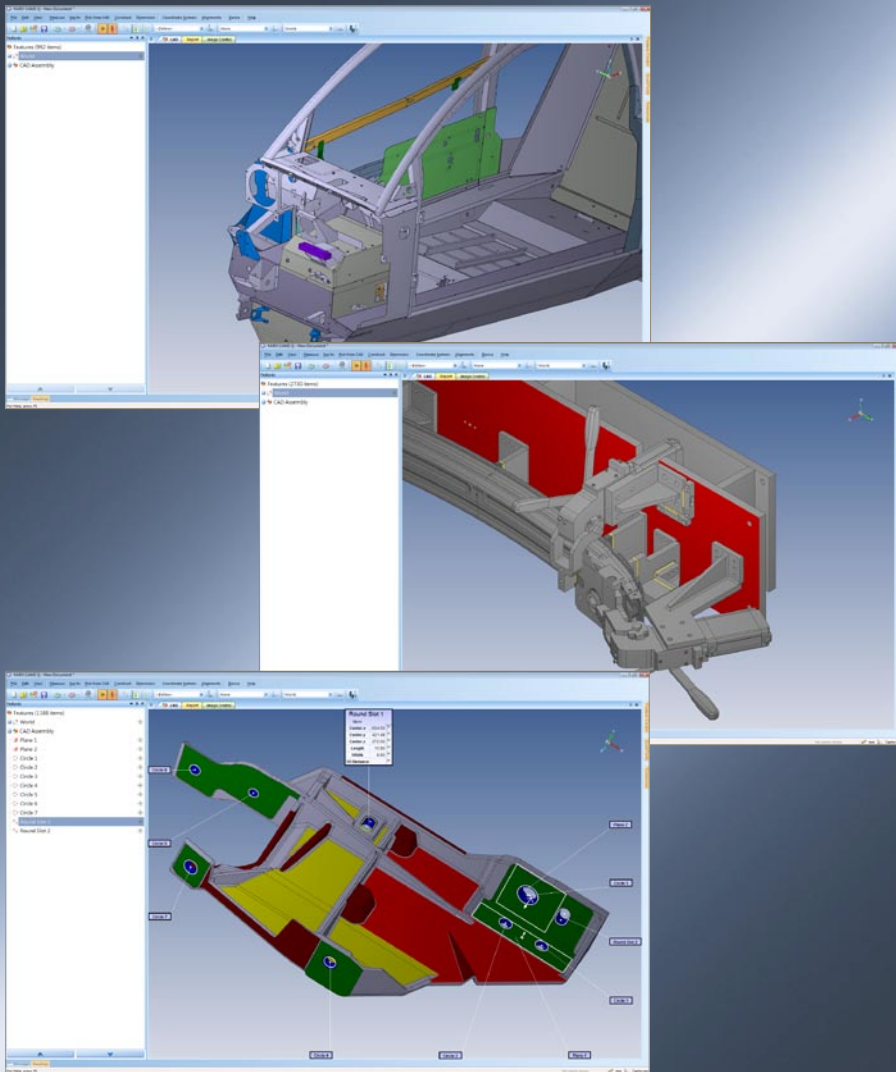


# CAM2Q



## 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

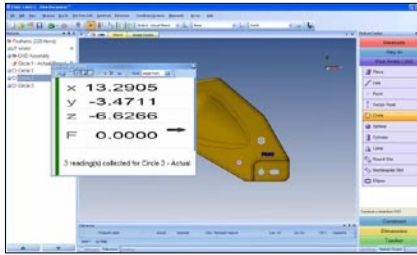
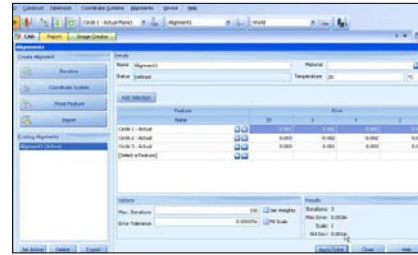
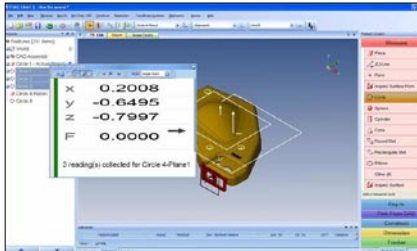


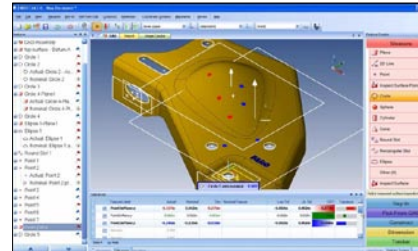
Image-guided measurement



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

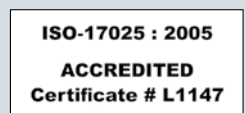
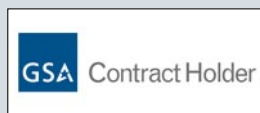
**Platform:** Windows® Vista ▪ Windows® XP

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

**Data Output:** IGES

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

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