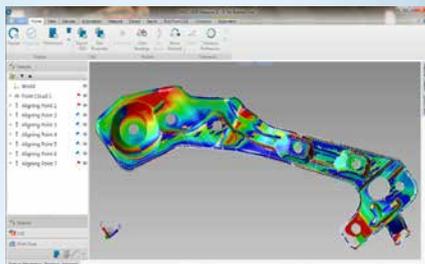


FARO® CAM2® Measure 10

A New Dimension in Point Cloud

FARO



Live Colour Scan

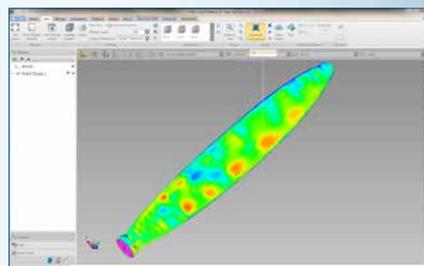
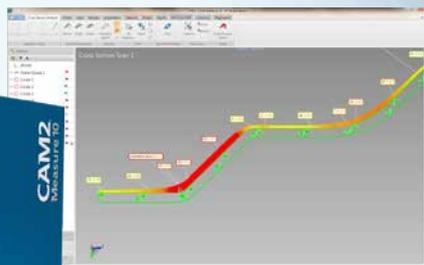
Users can quickly scan free-form parts and check their quality in real time. The software provides immediate feedback with different colours deviations from the CAD model during the scanning process, supporting an easy and prompt identification of inconsistencies. No additional post scan analysis is required.

Point Cloud Registration

Users can merge two or more spatially disjointed point clouds from a common part. This is very useful when the user has to move an already scanned part to a new position for scanning from a different side, or move the scanning device to a new location and scan from there without the need to reference the new device's position.

Cross Section Analysis

This feature allows for the 2D analysis of scan data over a well-defined area of the CAD. Users can extract dimensions (radius, angle, height) for analysis, add markers to define locations where labels will show deviations and set the best view for reporting.



FARO CAM2 Measure 10.3 is the FARO's all-in-one metrology software for users that are looking for a single, complete solution for probing and scanning tasks, without the need of any additional software. Designed with inspection in mind, CAM2 Measure 10 can be used in combination with a FARO scanning device, such as the FARO ScanArm, providing state-of-the-art functionalities for CAD-to-Part analysis. The software is perfectly suited for tasks such as the inspection of free and complex forms and even soft or flexible materials that are difficult to inspect with a tactile system.

Most Common Applications

Part and assembly inspection • On-machine inspection (OMI) • First article inspection • CAD-to-Part comparison • Sheet metal part inspection • Mould inspection and certification • Tool building and certification • Tool setup and positioning • Prototype part scanning • Deformation trend analysis • Surface inspection

Industries

Metal Fabrication • Energy • Machine Shop • Foundry • Mechanical Engineering • Automotive • Aerospace • Machine Tools • Measurement Service

Benefits

- ▶ **Interactivity:** Live feedback, even with a Laser Line Probe, Immediate recalculation of results
- ▶ **Consistency:** QuickTools, Bundle Adjustment
- ▶ **Flexibility:** Shortcuts, Customisable User Interface
- ▶ **Efficiency:** Immediate measurement, Auto nominal from CAD
- ▶ **Reliability:** NIST / PTB certification, Solid CAD

Additional Features

Remote Measurement

With the CAM2 Measure 10 Remote Apple App, iPhone, iPod Touch and iPad owners can communicate with their CAM2 Measure 10 via WLAN and thus conduct remote measurement: run commands, change scanning modes, take positions and see results in real-time. It also supports multiple operators and QuickTools.

Deviation Markers

Users can pre-set the areas where detailed analysis will be needed. The software simplifies the measurement process by guiding operators to those areas where data must be collected.

Capabilities

Import/Export

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

Measurement

- Seamless connection to FARO hardware devices
- Direct measurement mode
- Automatic projection plane mode
- QuickTools programming module
- Tube measurement
- Easily align to part
- Live feedback during measurement
- Guided geometry measurement
- Repeated part measurement

Programming

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

Alignments

- Align my Part Wizard
- Iterative
- 3.2.1
- Six-point surface
- RPS
- Constrained Iterative

Nominals

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

Reporting

- Versatile export formats
- Report with images and in different CS
- Export to HTML, text, Microsoft[®] Excel, PDF

Live Colour Scan

- Colour scale in the 3D view
- Surface Profile GD&T
- Place labels on your scan to determine deviations at critical locations
- Export scans to text file

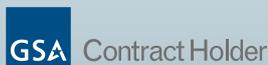
Specifications

Platform: Windows[®] 7 ▪ Windows[®] Vista ▪ Windows[®] XP

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

Data Output: Parasolid[®], IGES, VDA/FS, STEP

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



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www.faro.com
Freecall 00 800 3276 7253
info@faroEurope.com

