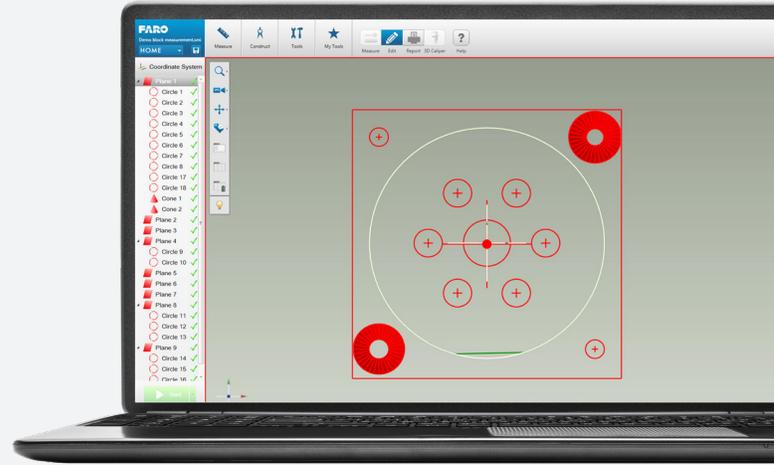# FARO® CAM2® SmartInspect 1.4 Software

The first portable measurement software for FARO Laser Tracker and FaroArm®

FARO's CAM2 SmartInspect is the perfect software for any FARO Laser Tracker, Arm and Gage users who are looking for non-CAD based inspection. The software interface is designed to be simple and intuitive, so that users without any 3D metrology background can be easily trained. It can run on Microsoft Windows® based mobile devices, making it the first portable metrology software for basic geometric measurements.

SmartInspect features a live graphical view for interactive measurement or an image-based measurement guidance view as a means to support measurement of repeat parts. Interactions with the live view provide an intuitive platform for dimensioning geometrical relationships and constructing features that cannot be measured directly.

Features

Live On-Screen 3D View of Measurements
With the Live on-screen view, users can see the results of their measurements shown graphically in projection plane views. The graphical view can also be rotated to show a 3D representation of all the measured features.

Move Device
Users can move their device during the measurement process and measure their part from different positions.

On-Screen Dimensioning
Interact directly with the graphical view to create dimensions and constructions needed to extract information that cannot be measured directly. Arrange the dimensions relative to the measurements to document results with clarity.

Touch-Capable Use
The software runs on Microsoft Windows based PCs or Touchpads as the first portable metrology software for FARO Laser Tracker, Arm and Gage.

Benefits

Interactivity: Live feedback displaying results in a graphical 3D view and immediate recalculation of results

Consistency: Image-based support for measurement guidance; Live error display during measurements

Flexibility: Immediate measurement; one click repeat part measurement

Reliability: NIST / PTB certification

Ease of use: Get the most out of your software without any 3D metrology training

Most Common Applications

Automotive: Tool Building & Certification, Alignment, Part Inspection

Molding/Tool & Die: Mold and Die Inspection

Metal Fabrication: OMI, First Article Inspection, Periodic Part Inspection

Aerospace: Alignment, Tooling & Mold Certification, Part Inspection

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Additional Features

Smart Suggestion Box
Suggestions constantly provide users with guidance on what operations can be conducted with objects they have selected.

QuickTool Import
The QuickTools functionality permits import and use of QuickTools programs generated in FARO CAM2.

Repeated Part Measurement
Once a part has been measured, those measurements can be repeated with a single click.

Picture Support for Guided Repeat Measurement
Ability to associate real part pictures where markers can be added to provide clear visual guidance to measurement operators.

Voice Operation
Give instructions using your voice enabling the user to operate software hands free.

Real-time Audible Feedback
Allows users to instantly know when a bad measurement has been taken, a Tracker beam has been broken, and check position with home-in guidance.

System Requirements

Operating System Requirements
The following computer operating systems are supported:
- Microsoft Windows 8.1
- Microsoft Windows 10
- Microsoft Windows 11

All operating system support includes 32-bit and 64-bit versions

Minimum Hardware Requirements
- Processor: Intel Atom x5-Z8350
- RAM: 2GB
- HDD: 32GB
- Display Resolution: 1280x800

Capabilities

Measurement
- Seamless connection to Gage, Arm and Laser Tracker devices
- Direct measurement mode
- Online programming mode always on
- Easily align to part
- Live feedback during measurement
- Guided Geometry Measurement
- Labels
- Whiskers

Nominals
- Create nominal features by entering values

Reporting
- Versatile export formats
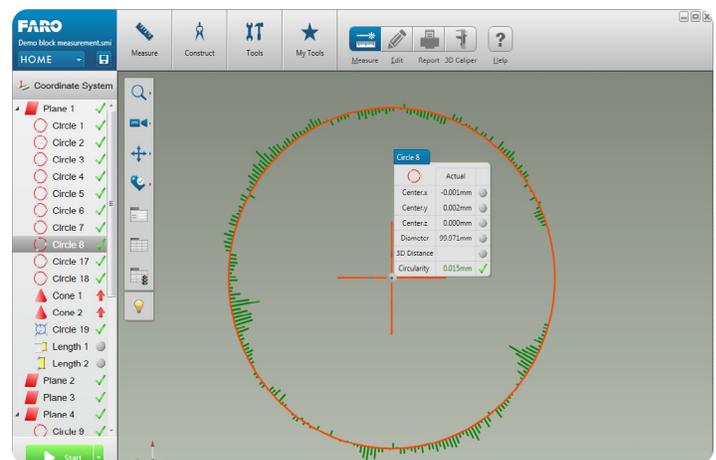- Export to XPS, PDF and text formats

Programming
- Record steps for a part program (on-line/off-line)
- Play steps in a measurement program
- Integrated programming module

Alignments
- Coordinate system
- Three-feature

Software Version
- Basic: All functionality with images
- Pro: Extended version with all functionality, in addition of 3D viewer and on screen dimensioning

CAM2 SmartInspect is available in the following languages
Chinese, English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Turkish and Spanish.

Local offices in over 25 countries around the world. Go to **www.faro.com** to learn more.