



Portable Metrology Solutions

SOLVING COMPLEX 3D MEASUREMENT CHALLENGES

We bring new frontiers to light

FARO CREAFORM™ empowers design, production, quality, and maintenance teams to work faster, smarter, and with total confidence, unlocking better outcomes and superior experiences across manufacturing workflows. For nearly 50 years, FARO CREAFORM has redefined the boundaries of metrology and continues to push the limits of measurement technology, setting new industry standards.

This innovative spirit matches our commitment to solving our clients' most complex challenges, driving us to continually refine our technology, raise expertise, and prioritize their needs. Guided by this engagement, we empower manufacturing companies to elevate quality, maximize productivity, and accelerate time to market.

FIELD-TESTED,
CLIENT-TRUSTED
SOLUTIONS

Nearly 50 years of metrology expertise
More than 10,000 satisfied clients,
including major industrial OEMs

PORTABLE
3D METROLOGY®
PIONEER

Technology leader
Inventor and original visionary of
handheld 3D scanning

PART OF
AMETEK®

Robust financial support
Leading innovation capacity
Cross-industry expertise

METROLOGICAL
RIGOR AND HIGHEST
QUALITY STANDARDS

ISO 9001, ISO 14001 and ISO 27001 certified
ISO/IEC 17025 accredited
ISO 10360 and VDI/VDE 2634 part 3
standards compliant
ISO/IEC 17025:2027, ISO 10360-12

FIRST-CLASS
CUSTOMER SUPPORT
AND USER
EXPERIENCE

Plug-and-play hardware and
intuitive software
Team of technical specialists
speaking 9 languages
Local service centers



Content

PRODUCT DEVELOPMENT 06

QUALITY CONTROL 08

PORTFOLIO 10

HARDWARE 12

SOFTWARE 16

CUSTOMER SERVICE 18

FARO CREAFORM's Approach to Product Development

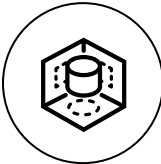
In product development, engineers and designers often create comprehensive 3D models from existing objects ready for manufacturing, simulation, and 3D printing. This involves key steps like 3D scanning and 3D modeling. FARO CREAFORM provides all the essential tools to streamline the entire reverse engineering process, accelerating time to market and giving companies a competitive edge.

With integrated solutions combining 3D scanners and innovative software platforms, FARO CREAFORM delivers all the necessary information to develop new parts accurately and efficiently on the first try, eliminating multiple trial-and-error iterations and reducing the processing time required to integrate 3D models into CAD software.



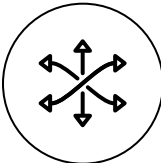
Simplest and Most Intuitive 3D Scanning Solutions

Our integrated hardware and software provide users with the most intuitive, easy-to-use experience.



Fastest Time to CAD or Ready Data

Our Scan-to-CAD software module ensures the fastest path to CAD, 3D print, or usable data.



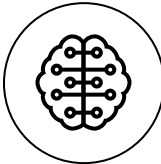
Most Versatile 3D Scanning Technology

Our superior 3D scanning algorithms and blue laser technology allow measuring any surface type.



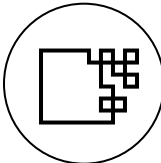
Complete & Integrated Software Application Suite

The Creaform Metrology Suite™ includes industry-leading Scan-to-CAD and Inspection application modules.



Evolutive 3D Scanning Solutions

Our 3D solutions deliver long-term value through continuous algorithm optimization and new feature additions.



Highest Quality 3D Scan Data

Our high-resolution 3D scanners extract superior mesh quality with the finest details.

In action



Save hours integrating physical objects into your product designs.

Not only is it easier to clean and align scan data and extract hole locations, complex surfaces, or any 2D and 3D measurements, but it also transfers richer information parametrically into CAD software, optimizing the time from scan to CAD with ready-to-use data.



Transform 3D scans into CAD models with ease.

Integrating data acquisition and feature extraction into a single, intuitive platform enables product designers to learn just one interface, streamlining software adoption and making reverse engineering accessible to all. This efficiency enables design teams to develop higher-quality products in fewer iterations.



Capture 3D scan data with fine precision.

High-resolution 3D scanning systems capture high-quality 3D scan data, enabling the software to create meshes with finer details of intricate features. This allows product designers to develop parts that fit and function seamlessly with existing components, reducing iteration cycles during the design phase.



Capture shiny surfaces without extra steps.

Blue laser technology offers superior performance and delivers better readings of difficult, contrasted surfaces, providing the ability to master any surface type, including shiny, oily, and reflective finishes, without requiring surface treatment or part preparation.

FARO CREAFORM Helps Solve Quality Control Issues

In quality control, quality professionals need reliable results they can trust. Only then can they make informed decisions to address their manufacturing challenges. FARO CREAFORM's portable metrology solutions enable professionals to confidently validate the quality of manufactured parts without questioning the reliability of their measuring devices.

FARO CREAFORM is ISO 9001 and ISO 14001 certified, reflecting our commitment to the highest quality standards. Our metrological rigor is further assured through ISO/IEC 17025 accreditation for our in-house laboratory, alongside compliance with ISO 10360 and VDI/VDE 2634 part 3 standards, ensuring verifiable and trusted specifications that meet the industry's strictest requirements.



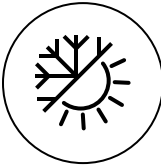
Reliable Metrology-Grade Accuracy

Our commitment to metrological rigor is demonstrated through the most notorious quality accreditations.



Global Expertise, Local Support

FARO CREAFORM supports customers from onboarding to long-term success, combining global standards with local presence to deliver quick responses, expert guidance, and lasting value.



True Shop-Floor Accuracy

From the metrology lab to the shop floor, FARO CREAFORM technologies deliver consistent, trusted results—enabling inspection, validation, and decision-making where parts are manufactured.



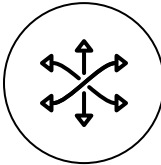
Fastest Time to Usable Data or Reporting

Our inspection software displays the best fit with CAD through a streamlined process, ensuring users obtain a clear and objective assessment of part quality quickly and reliably.



Highest Quality 3D Scan Data

Our high-resolution 3D scans enhance the detection of defects, deviations, and surface imperfections.



Most Versatile Measurement Portfolio

With hardware and software for probing, scanning, inspection, and analysis, FARO CREAFORM enables parallel workflows and adapts to diverse quality challenges—without adding complexity.

In action



Rely on your 3D scanners, built to the highest quality standards.

Our commitment to metrological rigor is demonstrated through nearly 50 years of experience, our state-of-the-art manufacturing and development center located in Canada, and our global team of multi-disciplinary experts, ensuring every FARO CREAFORM 3D system meets the highest industry standards.



Accelerate your inspections with instant reports.

Integrating the acquisition and application modules into a single platform and adding automatic functionalities, such as feature extraction and automatic best-fit, ensure the fastest path to reporting or usable data.



Ensure compliance and quality with trusted, accredited accuracy.

Accuracy is more than a number mentioned on a specification sheet. It is the indicator of the manufacturer's seriousness and commitment to quality. It reveals the level of technical expertise, knowledge, and proficiency it may possess to develop and produce high-quality and reliable measuring instruments.



Get the most accurate 3D measurements wherever you need them.

The metrology-grade attributes of our 3D scanning devices, combined with the surprising effectiveness of targets, allow manufacturers to accurately measure anything anywhere, regardless of environmental instabilities, and achieve consistent, reliable results anytime.

Product Offering

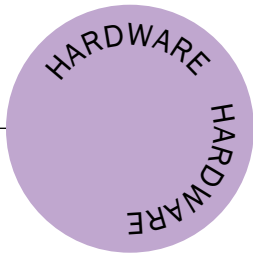
Complete Portfolio, Elevated Experiences

Through a forward-thinking approach and innovation-led solutions, FARO CREAFORM tackles the real-world dimensional measurement challenges that prevail across various industries in product development and quality control applications.

Our product offering, which integrates both state-of-the-art hardware and advanced software, provides lasting solutions that evolve with industry needs. Together, these integrated solutions deliver the portable metrology capabilities that our customers need to excel in every aspect of their work.



Hardware Portfolio



Portability takes form

With their legendary portability, proven ease of use, powerful dynamic referencing algorithm, and metrology-grade accuracy, Creaform’s 3D measuring devices have reshaped 3D metrology by redefining the limits of innovation.

As the pioneer of the handheld 3D scanner, FARO CREAFORM has made it possible to take this impressive measurement capability beyond metrology labs and allow a wider range of users to benefit from it.

Acquisition Platform Included with All 3D Scanners

Creaform.OS is a powerful, integrated operating software that ensures seamless hardware-software synergy during acquisition, delivering an unparalleled 3D measurement experience.

Portable 3D Scanning Solutions

Our pioneering portable 3D scanners can be used anywhere while maintaining exceptional accuracy.

True Shop-Floor Accuracy

The one & only Dynamic Tracking algorithm allows for the most accurate and rigorous 3D measurements in any environment.

Sleek Ergonomic Designs

With their perfect blend of ergonomics and sleek design, FARO CREAFORM 3D systems feel like high-end tools built right into the customer’s hand.

Industry Proven & Trusted Solutions

For nearly 50 years of experience, the FARO CREAFORM brand is synonymous with worry-free investment.

Portable 3D Metrology Devices, Designed Around Your Needs From Handheld 3D Scanners to Optical CMMs



HandySCAN 3D EVO Series™
The Metrology-Grade 3D Scanner
Optimized for Efficiency



HandySCAN 3D MAX Series™
3D Measurement Efficiency,
Scaled for Large Parts



HandySCAN 3D BLACK Series™
The Industry Standard for
Portable Metrology-Grade
3D Scanners



MetraSCAN 3D™
Total Inspection Flexibility,
Built on ISO-certified Accuracy



HandySCAN 3D PRO Series™
The Proven and Trusted
Professional-Grade 3D Scanners



Go!SCAN 3D™
The Fastest and Easiest
3D Scanner for Color Acquisition



HandyPROBE™
The Proven Portable Optical
CMM for the Shop Floor



MaxSHOT 3D™
The Most Accurate Optical CMM
for Photogrammetric
Applications

Portable and Large-Part Metrology Systems: Measurement Arms, Laser Trackers, and 3D Laser Scanners



Portable CMM



Quantum X FaroArm® Series
Scan or probe your way to metrology-grade measurement success



Gage Max FaroArm®
The most compact and accurate arm for small-part measurement

Laser Trackers

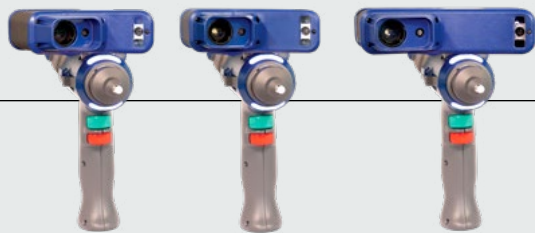


FARO® Vantage S/E Laser Trackers
Large part inspection measurement for molds, assemblies and machines



FARO® Vantage S6/E6 Max Laser Trackers
Fast, efficient, accurate large-scale measurement with 6DoF probing

Portable CMM Accessories



FAROBLU® LLP
Quick and accurate targetless scanning for QC inspection tasks



FARO® 8-Axis
Rotary worktable that speeds scanning and probing by up to 40%

Large Volume Scanning Solutions



FARO® Focus Core Laser Scanner
Large volume scans for fast capture of heavy machinery and large tanks



FARO® Super 6DoF TrackArm
Probe or scan parts up to 60m in size with high-accuracy results

Software Portfolio

Simplicity takes form

The Creaform Metrology Suite offers a complete portfolio of software modules for reverse engineering, inspection, dynamic tracking, and digital twin generation—supporting product development and quality control through efficient workflows.

Extending these capabilities, FARO CAM2® provides a modular 3D measurement environment for dimensional control, part-to-CAD comparison, and GD&T inspection.

Together, they form a complementary software ecosystem that empowers manufacturers to achieve metrology-grade results—from data acquisition to inspection and validation—while reducing complexity, accelerating workflows, and ensuring trusted measurements.

Intuitive Software for Optimal User Experience

With its intuitive interface and streamlined tools, the Creaform Metrology Suite enhances user experience and optimizes workflows.

Smart Features for Seamless Operation

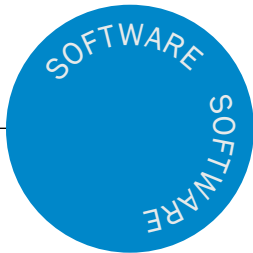
Features like smart resolution, automatic shutter, live meshing, and AI-driven target detection reduce software complexity and minimize device interaction.

Self-Onboarding & e-Trainings Modules

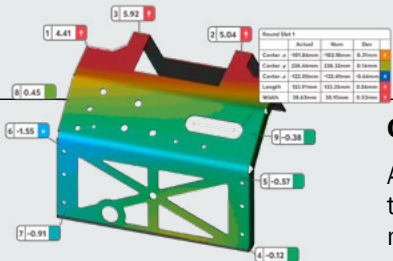
Our continually expanding library of e-training modules simplifies onboarding and empowers users to work faster, smarter, and with greater accuracy.

Private & Secure Data

Creaform's robust data privacy and cybersecurity measures ensure that 3D data integrity remains secure and trustworthy.

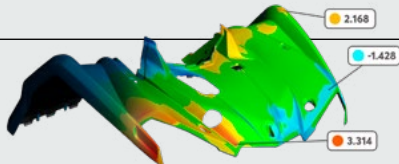


Streamline Your Workflow with the Creaform Metrology Suite and FARO CAM2



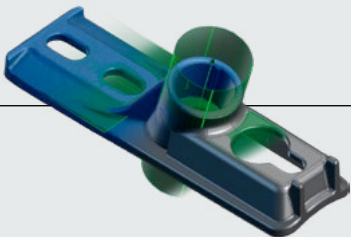
CAM2

A unified metrology software that enables users to manage both 3D scanning and tactile probing workflows within a single, integrated inspection and measurement environment.



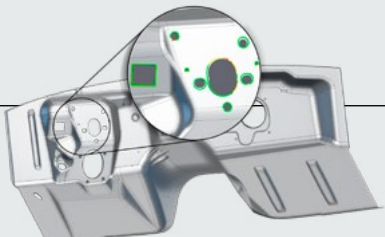
Inspection

The most flexible, comprehensive, and easy-to-use software solution for part inspection.



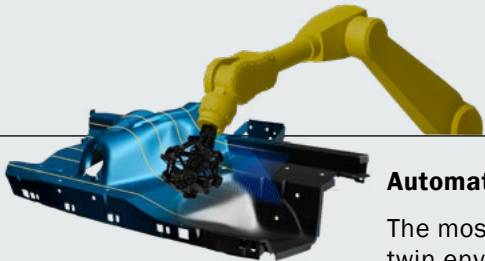
Scan-to-CAD Pro

The easiest-to-use reverse engineering suite for feature extraction and CAD modeling from 3D scan data.



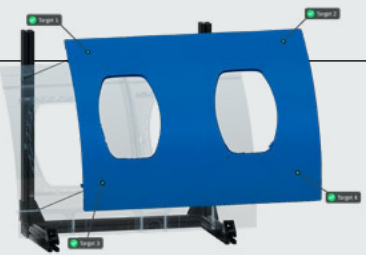
Inspection - Sheet Metal Add-on

The most repeatable and accurate 3D measurement inspection module for sheet metal.



Automation

The most user-friendly digital twin environment for deploying automated quality control solutions.



Dynamic Tracking

The most accurate and repeatable tool for tracking multiple objects in time and space.

Customer Service



Partnership takes form

From day one, FARO CREAFORM partners with its clients, guiding them through a seamless onboarding experience. Our customer-driven and solution-focused team provides continuous support and valuable resources, ensuring users maximize their 3D scanning journey. As client needs evolve, we consistently enhance our offerings, delivering lasting, future-ready solutions that tackle manufacturing challenges head-on.

By Your Side Through the Complete Journey



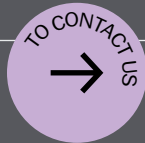
- Platform Designed to Streamline Onboarding for New Users
- Intuitive Interface, User-Friendly Tools
- Continually Expanding Library of e-Training Modules

- Plug-and-play Hardware and Software Seamlessly Integrated
- Smart Features for Enhanced User Experience and Optimized Workflows
- Proficient, Multilingual Customer Support

- Regular Addition of New, Innovative Features
- Constant Optimization of Sophisticated Algorithms
- Access to a Vast Network of Service Centers Worldwide



Partner with us for your next challenges



For an unparalleled experience connect with us
at the nearest office located in Canada.

faro.com | creaform3d.com