3D Measurement Efficiency, Scaled for Large Parts

HandySCAN 3D

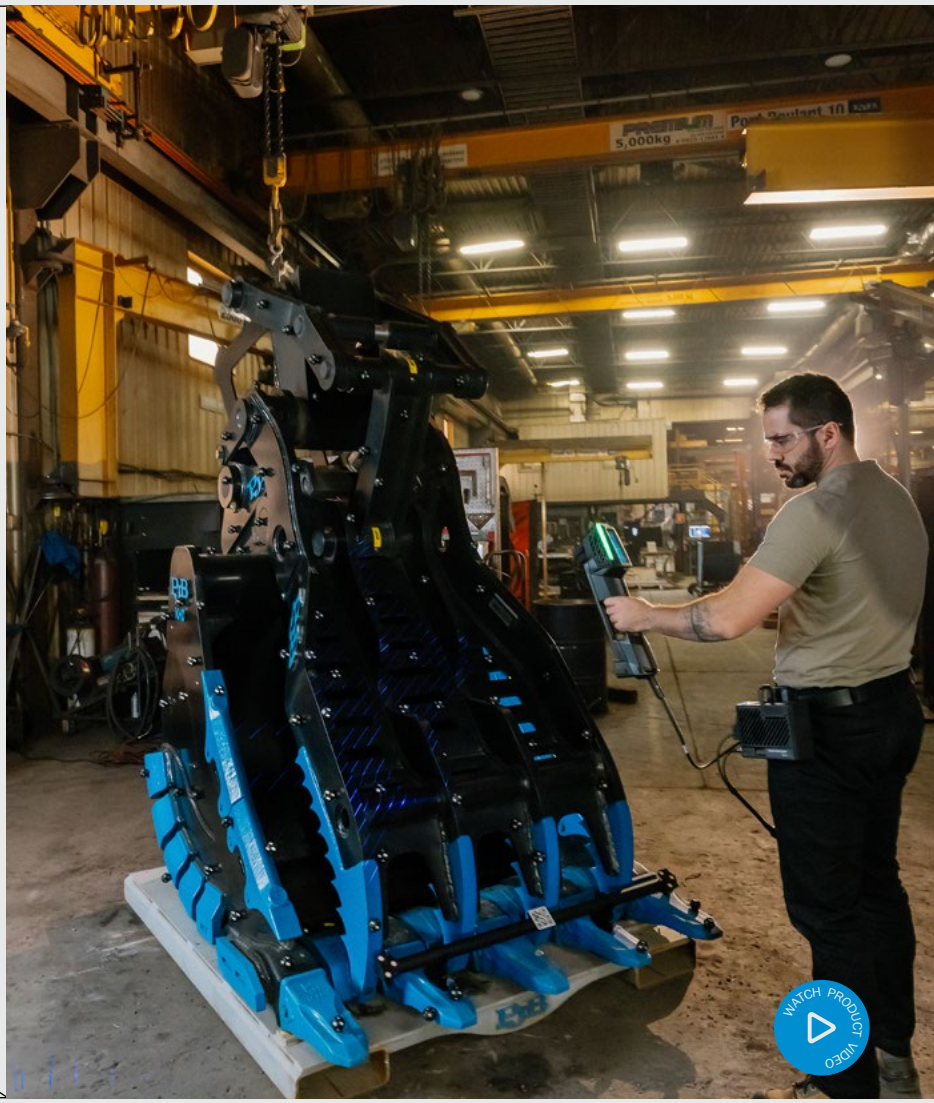
MAX Series

PORTABLE 3D METROLOGY PIONEER

Part of the HandySCAN 3D™ lineup, the industry standard for portable metrology-grade 3D scanners, the MAX Series is specifically designed to extract highly accurate 3D measurements of large and complex parts beyond controlled environments.

With its embedded screen and wireless capability via the Mobility Kit, the HandySCAN 3D MAX Series operates without restrictive cables. This enables free movement around large parts and live 3D visualization, ensuring metrology-grade accuracy while delivering a more intuitive scanning experience.

Combined with its fast data acquisition and real-time guidance, the MAX Series simplifies scan-to-report workflows, accelerating inspection for quality control (QC) and quality assurance (QA) teams.



Extra large scanning area
Up to 2.4 X 2.0 m (7.9 x 6.7 ft)

Wireless capability & live 3D visualization
Optimized for hard-to-reach environments

Worldwide repairs and customer support

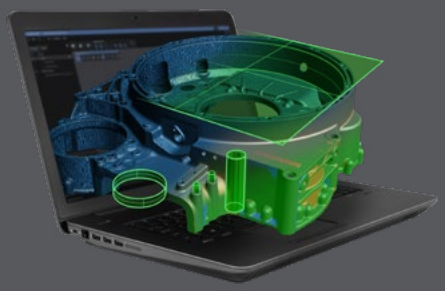
FARO | CREAFORM
AMETEK

POSSIBILITY TAKES FORM

Powerful, Intuitive Software for Optimal User Experience

Creaform.OS™ is a powerful, integrated operating software that provides the best 3D measurement experience across supported FARO CREAFORM systems.

Featuring an intuitive interface, user-friendly tools, embedded content, and learning tutorials, the platform is designed to streamline onboarding for new users and overcome a lack of experience, ensuring they can fully leverage the capabilities of their 3D scanners and optical CMMs.



Integrated photogrammetry | Live meshing | Flex Volume

Creaform Metrology Suite™ provides a comprehensive portfolio of application software modules designed for any metrology task.

- **Scan-to-CAD**
  The most intuitive reverse engineering toolkit for transferring data extracted from 3D scans to any CAD platform.
- **Inspection**
  Comprehensive and powerful software designed for efficient and accurate dimensional inspections.
- **Automation**
  The most user-friendly and integrated programming platform for deploying automated quality control solutions.
- **Dynamic Tracking**
  Enables simultaneous position and orientation of multiple objects in space and time.

LEARN MORE

Technical Specifications

		HandySCAN MAX EVO™	HandySCAN MAX EVO Elite™
ACCURACY (1)		0.150 mm (0.0059 in)	0.075 mm (0.0030 in)
VOLUMETRIC ACCURACY (2) (based on part size)		0.150 mm + 0.020 mm/m (0.0059 in + 0.00024 in/ft)	0.075 mm + 0.010 mm/m (0.0030 in + 0.00012 in/ft)
MEASUREMENT CAPABILITIES (at a working distance of 0.5 m (1.65 ft))	Pin	2.50 mm (0.0984 in)	
	Hole	3.50 mm (0.1378 in)	
	Step	0.04 mm (0.0016 in)	
	Wall	2.00 mm (0.0787 in)	
LIGHT SOURCE (3)		38 blue laser lines + Laser Pointer	
SCANNER CONTROLS		4.3″ Touchscreen display + physical buttons	
PHOTO CAMERA		12 MP, AR-enabled	
ADVANCED SOFTWARE FEATURES (4)		N/A	Included
WORKING DISTANCE		0.45 to 1.60 m (1.5 to 5.2 ft)	0.30 to 2.50 m (1.0 to 8.2 ft)
PART SIZE RANGE (recommended)		1–10 m (3.3–32.8 ft)	1–15 m (3.3–49.2 ft)
WEIGHT		1.28 kg (2.8 lb)	

(1) HandySCAN MAX EVO and HandySCAN MAX EVO Elite (ISO 17025 accredited): Based on VDI/VDE 2634 part 3 standard. Probing error performance is assessed with diameter measurements on traceable sphere artefacts. Results are obtained at stand-off distance of 0.6 m and 1.2 m (1.98 ft and 3.96 ft).

(2) HandySCAN MAX EVO and HandySCAN MAX EVO Elite (ISO 17025 accredited): Based on VDI/VDE 2634 part 3 standard. Sphere-spacing error is assessed with traceable length artefacts by measuring these at different locations and orientations within the working volume. Results are obtained at stand-off distance of 0.6 m and 1.2 m (1.98 ft and 3.96 ft) and using integrated photogrammetry with volumetric accuracy optimization.

(3) Laser class: 2M (eye safe).

(4) Includes AR colormap visualization with real-time deviation display and QR code reading functionality.

SEE MORE SPECS

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

faro.com | creaform3d.com

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