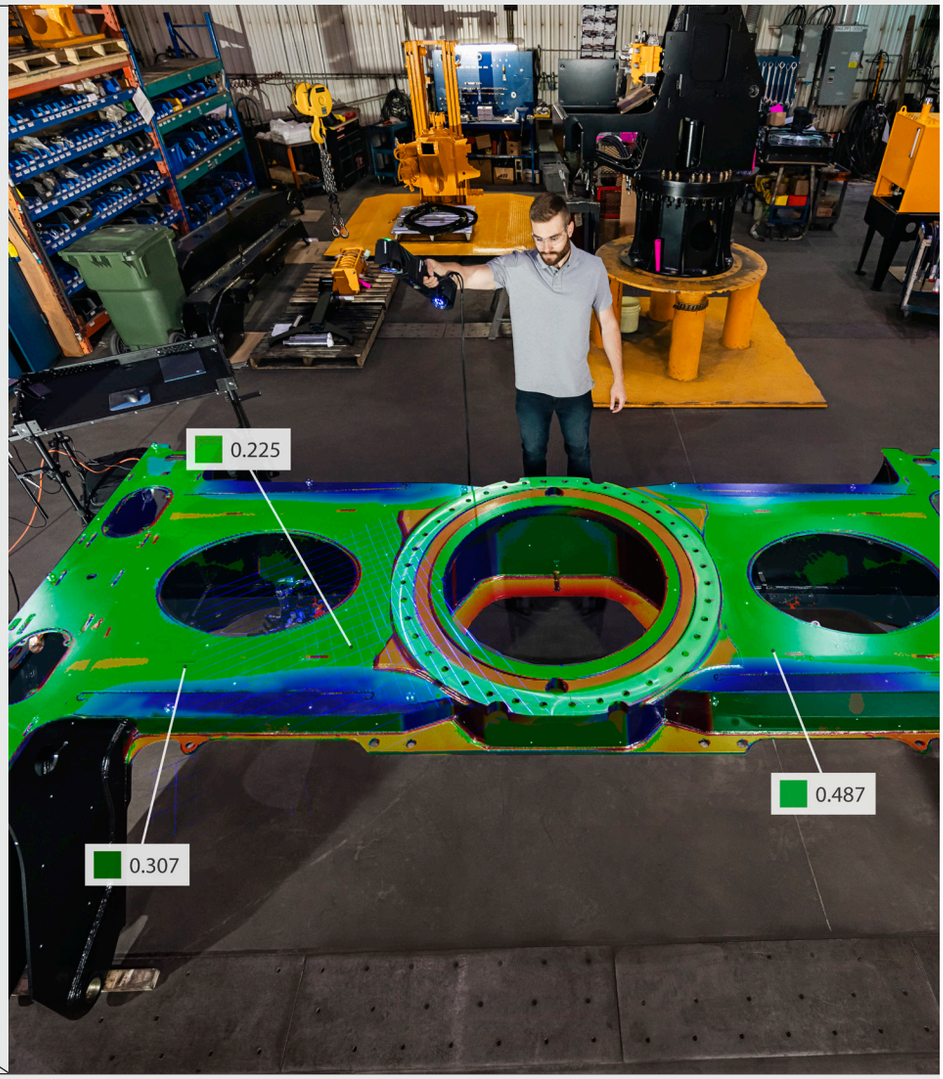
The Truly Portable Metrology-grade 3D Scanner for Large Parts

HandySCAN 3D

MAX Series

The HandySCAN 3D™ line-up is known as the industry standard in portable metrology-grade 3D scanners and a recognized, proven and trusted technology. Combining the inherent benefits of the HandySCAN 3D, the MAX Series is optimized to acquire highly accurate 3D measurements on large and complex parts with no surface preparation required.

Engineered to capture fine details and scan large volumes equally well, the HandySCAN 3D|MAX Series enables professionals working in a wide variety of industries to measure large parts from all angles, resulting in high-quality 3D scans in just a matter of minutes.



Watch product video

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

Reliable acceptance test
ISO 17025
accredited laboratory

Worldwide repairs and customer support

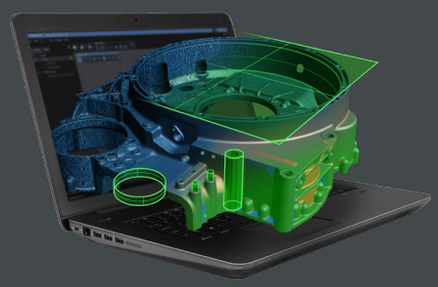
CREAFORM / AMETEK®

INNOVATION 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 all 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™	HandySCAN MAX™|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	
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		1.22 kg (2.7 lb)	

(1) HandySCAN MAX and HandySCAN MAX|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 and HandySCAN MAX|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).

See more specs

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

creaform3d.com

To contact us

Authorized Distributor

CREAFORM / AMETEK®

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