Unmatched Accuracy on Large Scale Metrology Projects

MaxSHOT 3D

PORTABLE 3D SCANNER PIONEER

Creaform's MaxSHOT 3D™, a photogrammetry optical coordinate system, is the ideal solution to achieve the highest measurement accuracy and efficiency for large-scale projects and parts from 2 to 10 m. Gain peace of mind knowing that your measurements are always right on the dot.

What's more, thanks to sophisticated, proven user guidance technology and easy-to-use software, technicians of all levels—even non-metrology experts— can use the MaxSHOT 3D. If you consistently work on large-scale projects, the MaxSHOT 3D is your go-to solution to slash budgetbusting measurement mistakes, improve product quality, increase process efficiency, and minimize overall operating costs.

Reliable acceptance test
VDI/VDE 2634 Part 1

Intuitive controls and operations
Ultra-short training and learning curves

Worldwide repairs and customer support

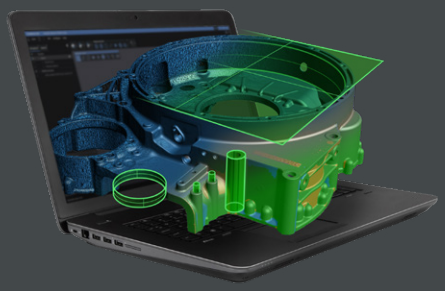
CREAFORM / AMETEK®
goengineer

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.



Real-time feedback | Photogrammetry diagnostics | Automatic model cleaning

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

		MaxSHOT NEXT™	MaxSHOT NEXT™|Elite
VOLUMETRIC ACCURACY (1)		0.025 mm/m (0.0003 in/ft)	0.015 mm/m (0.00018 in/ft)
AVERAGE DEVIATION (2)		0.008 mm/m (0.0001 in/ft)	0.005 mm/m (0.00006 in/ft)
VOLUMETRIC ACCURACY (WHEN COMBINED WITH)	HandySCAN 3D|BLACK Series (3) HandySCAN 3D|SILVER Series (3)	0.020 mm + 0.025 mm/m (0.0008 in + 0.0003 in/ft)	0.020 mm + 0.015 mm/m (0.0008 in + 0.00018 in/ft)
	Go!SCAN SPARK™ (4)	0.050 mm + 0.025 mm/m (0.0020 in + 0.0003 in/ft)	0.050 mm + 0.015 mm/m (0.0020 in + 0.00018 in/ft)
	HandyPROBE Next+™ (5) MetraSCAN BLACK+™ (5)	0.035 mm + 0.025 mm/m (0.0014 in + 0.0003 in/ft)	0.035 mm + 0.015 mm/m (0.0014 in + 0.00018 in/ft)
	HandyPROBE Next+™|Elite (5) MetraSCAN BLACK+™|Elite (5)	0.025 mm + 0.025 mm/m (0.0009 in + 0.0003 in/ft)	0.025 mm + 0.015 mm/m (0.0009 in + 0.00018 in/ft)
WEIGHT		0.79 kg (1.75 lb)	
DIMENSIONS		104 x 180 x 115 mm (4.1 x 7.1 x 4.5 in)	
OPERATING TEMPERATURE RANGE		5-40°C (41-104°F)	
OPERATING HUMIDITY RANGE (NON-CONDENSING)		10-90%	
CERTIFICATIONS		EC Compliance (Electromagnetic Compatibility Directive, Low Voltage Directive), IP50, WEEE, Laser class (2M)	

(1) Based on the VDI/VDE 2634 part 1 standard. Performance is assessed with 35 lengths measurements taken on traceable artefacts (value = maximum deviation).

(2) Based on the VDI/VDE 2634 part 1 standard. Performance is assessed with 35 lengths measurements taken on traceable artefacts (value = average deviation).

(3) The volumetric accuracy performance of the system when using a MaxSHOT 3D cannot be superior to the default accuracy performance for a given model.

(4) The volumetric accuracy performance of the system when using a MaxSHOT 3D cannot be superior to the default accuracy.

(5) The volumetric accuracy performance of the system when using a MaxSHOT 3D cannot be superior to the default volumetric accuracy performance for a given model.

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

creaform3d.com

TO CONTACT US

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