

Unmatched Accuracy on Large Scale Metrology Projects

# MaxSHOT 3D



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

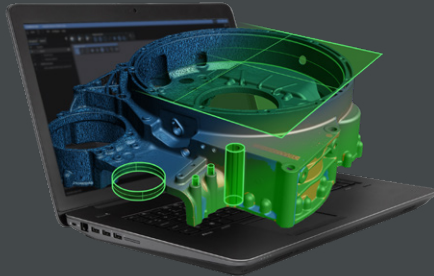
**Intuitive controls and operations**  
Ultra-short training and learning curves

**Worldwide repairs and customer support**

# 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.



## Technical Specifications

|   | MaxSHOT NEXT™  | MaxSHOT NEXT™ Elite                               |
|---|--|---|
| VOLUMETRIC ACCURACY <sup>(1)</sup>        | 0.025 mm/m (0.0003 in/ft)  | 0.015 mm/m (0.00018 in/ft)                        |
| AVERAGE DEVIATION <sup>(2)</sup>          | 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 <sup>(3)</sup>  | 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) |
| HandySCAN 3D SILVER Series <sup>(3)</sup> |  |   |
| Go!SCAN SPARK™ <sup>(4)</sup>             | 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+™ <sup>(5)</sup>          | 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) |
| MetraSCAN BLACK+™ <sup>(5)</sup>          |  |   |
| HandyPROBE Next+™ Elite <sup>(5)</sup>    | 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) |
| MetraSCAN BLACK+™ Elite <sup>(5)</sup>    |  |   |
| 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



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