

Fast and accurate 3D scanner and portable CMM for the shop floor

MetraSCAN 3D



The MetraSCAN 3D™ optical CMM scanner line-up is designed for manufacturing and metrology professionals who want to deliver approved quality parts quickly and efficiently.

Insensitive to shop floor vibrations, part movement, and environmental instability, the MetraSCAN 3D significantly increases the efficiency, reliability, and versatility of measurement processes. The MetraSCAN 3D is optimized to perform metrology-grade measurements and 3D surface inspections on a large variety of parts regardless of size, material, finish, or complexity.

When paired with the HandyPROBE™, which offers optional probing capability, users can harness the power of both 3D scanning and probing for a complete, streamlined inspection process.



Watch product video

**Reliable
acceptance test**
ISO 17025
accredited laboratory

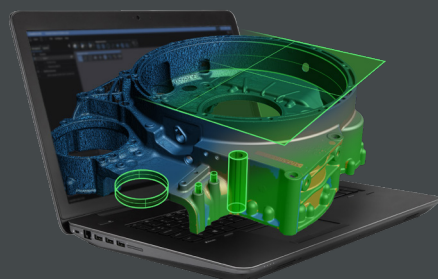
Made in North America
Most trusted & widely
used handheld 3D
scanners

**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.



Live meshing

Automatic
Volume Extension

Dynamic environment
compensation





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

		MetraSCAN BLACK+™	MetraSCAN BLACK+™ Elite
ACCURACY		0.035 mm	0.025 mm
VOLUMETRIC ACCURACY	9.1 m ³	0.086 mm	0.064 mm
	16.6 m ³	0.122 mm	0.078 mm
AUTOMATIC VOLUME EXTENSION ACCURACY ⁽¹⁾		0.035 mm + 0.020 mm/m	0.025 mm + 0.015 mm/m
PROBING ACCURACY WITH HandyPROBE Next+		0.030 mm	0.025 mm
ACCEPTANCE TEST	Based on VDI/VDE 2634 part 3 and ISO 10360		
SETUP ASSISTANCE TOOLS ⁽²⁾		N/A	Included
MEASUREMENT CAPABILITIES (at a working distance of 0.3 m)	 Pin	0.750 mm	
	 Hole	1.250 mm	
	 Step	0.025 mm	
	 Wall	0.500 mm	
LIGHT SOURCE ⁽³⁾		30 blue laser lines (+ 1 extra line)	
SCANNING AREA		310 x 350 mm	
PART SIZE RANGE (recommended)		0.2–6 m	
WEIGHT		Scanner: 1.49 kg Probe: 0.5 kg C-Track: 5.7 kg	

(1) The volumetric accuracy performance of the system when using the Automatic Volumetric Extension cannot be superior to the default volumetric accuracy performance for a given model.

(2) The Setup Assistance tools enable visual guidances and advanced diagnostics for part and jig setups.

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



See more specs

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

creaform3d.com



To contact us

Authorized Distributor

CREAFORM / AMETEK®

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