Total Inspection Flexibility, Built on ISO-certified Accuracy

MetraSCAN 3D

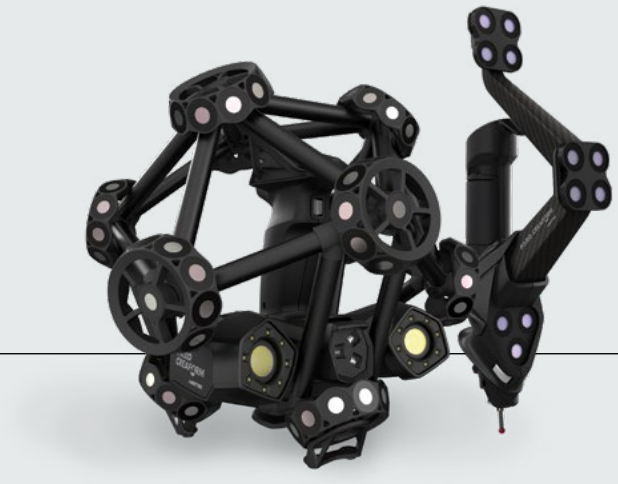
PORTABLE 3D METROLOGY PIONEER

The MetraSCAN 3D™ lineup is designed for quality control professionals who demand both uncompromised accuracy and maximum flexibility.

Recognized for its versatility, the MetraSCAN 3D delivers reliable and trusted 3D results across diverse measuring environments. Its 3-in-1 architecture enables seamless operation in three configurations: C-Track mode for fast setup across all part sizes, stand-alone mode for quick checks in tight areas, and probing mode when paired with the HandyPROBE.

Because it is insensitive to shop floor vibrations, part movement, and environmental instability, the system significantly reduces inspection time and accelerates scan-to-report workflows.

The result is unmatched inspection flexibility that adapts to any setup, empowering QC teams to be more efficient while maintaining ISO-certified accuracy across large and complex parts.



Commitment to Metrological Rigor
ISO 17025 accredited laboratory

True Shop-Floor Accuracy
Insensitive to environmental instability

Worldwide repairs and customer support

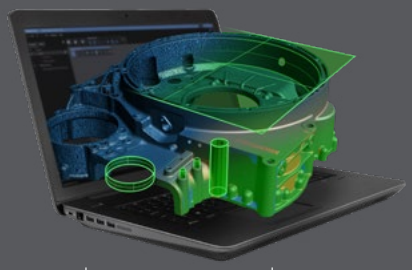
FARO | CREAFORM
AMETEK

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.



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™	MetraSCAN BLACK2™
ACCURACY		0.035 mm (0.0014 in)	0.025 mm (0.0010 in)	
VOLUMETRIC ACCURACY	9.1 m^3 (320 ft^3)	0.075 mm (0.0030 in)	0.064 mm (0.0025 in)	
	16.6 m^3 (586 ft^3)	0.100 mm (0.0039 in)	0.075 mm (0.0030 in)	
	46.7 m^3 (2050 ft^3)	N/A	N/A	0.100 mm (0.0039 in)
AUTOMATIC VOLUME EXTENSION ACCURACY (1)		0.035 mm + 0.020 mm/m (0.0014 in + 0.00024 in/ft)	0.025 mm + 0.015 mm/m (0.0010 in in + 0.00018 in/ft)	
STAND-ALONE MODE ACCURACY		N/A	N/A	0.020 mm + 0.040 mm/m (0.0008 in + 0.00048 in/ft)
PROBING ACCURACY WITH HandyPROBE Next+		0.030 mm (0.0012 in)	0.025 mm (0.0010 in)	
ACCEPTANCE TEST (2)		Based on VDI/VDE 2634 part 3 and ISO 10360		
TRACKING MODES		C-Track mode (Targetless, Dynamic Tracking)		C-Track mode (Targetless, Dynamic Tracking) + Stand-alone mode
SETUP ASSISTANCE TOOLS (3)		N/A	Included	
AUTOMATIC SHUTTER		N/A	N/A	Included
MEASUREMENT CAPABILITIES (at a working distance of 0.3 m (1 ft))	Pin	0.750 mm (0.0295 in)		
	Hole	1.250 mm (0.0394 in)		
	Step	0.025 mm (0.0010 in)		
	Wall	0.500 mm (0.0197 in)		
LIGHT SOURCE (4)		30 blue laser lines (+ 1 extra line)		46 blue laser lines (+1 extra line)
PART SIZE RANGE (recommended)		0.2–6 m (0.7–20.0 ft)		0.2–10 m (0.7–32.8 ft)

(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) Performance tests done in Creaform's ISO/IEC 17025 accredited calibration laboratories.
(3) The Setup Assistance tools enable visual guidance and advanced diagnostics for part and jigs setups.
(4) Laser class: 2M (eye safe)

SEE MORE SPECS

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

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