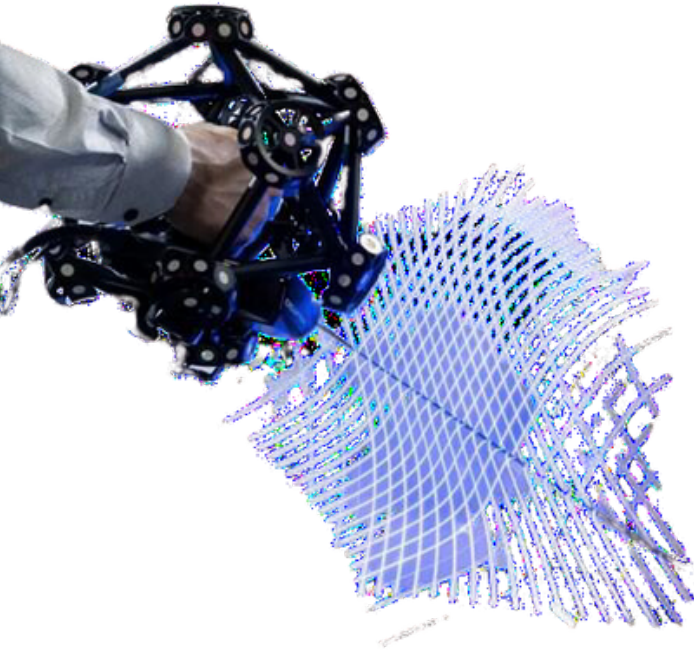


Metra SCAN Black Elite

3D SCANNER AND PORTABLE CMM



CAPABILITIES & APPLICATIONS

- Product Development and Design
- Reverse Engineering - Scan to Model, 2D Drafting
- Quality Control and Assurance
- Fixture Design & Manufacturing
- CMM Probing upto 16.6 m3
- No Targets & Scanning Sprays Required for any surface*

*scanning spray required for transparent surfaces

ACCURATE

Free from any rigid setup requirements
 Probing Accuracy of 0.025mm
 ISO 17025 accreditation

FAST

From Quick Setup to Real Time Scan
 15 Blue Laser Crosses
 Upto 1800000 measurements/second

VERSATILE

Optical Probing Capability
 Easily Extendable Measuring Volume
 Ideal for Shiny & Reflective Surfaces as well Compatible with a variety of materials and finishes



- 1 High-performance optics**
Optimal Scan Quality

- 2 Blue Laser Technology**
High-resolution capability

- 3 Multifunction's Button**
Quick access to frequently used software functionalities

- 4 Continuous environment testing**
Tracking of Calibration artifacts

- 5 Easy Single Laser Line**
Easy capture of hand-to-reach areas

- 6 Stand-off distance**
Color indicator

- 7 Visibility Indicators**
Scanner, probe, and reference visibility

- 8 Handy PROBE**
Optional probing capability



Metra SCAN Black Elite

TECHNICAL SPECIFICATIONS

Specification	Metra Scan Black Elite
Accuracy	0.025mm (0.0009 in)
Volumetric Accuracy	9.1m ³ (320ft ³) – 0.064mm (0.0025in)
	16.6m ³ (586ft ³) – 0.078mm (0.0031in)
Volumetric Accuracy with MaxSHOT Next™ Elite ⁽³⁾	0.044mm + 0.015mm/m (0.0017in+0.00018i/ft)
Probing Accuracy with Handy Probe Next ⁽⁴⁾	0.025mm (0.0009in)
Mesh Resolution	0.100mm (0.00039in)
Measurement Rate	1,800,000 measurements/s
Light Source	15 blue laser crosses (+1 extra line)
Laser Glass	2M (eye safe)
Scanning Area	310X350mm (12.2X13.8in)
Stand-off distance	300mm (11.8in)
Depth of field	250mm (9.8in)
Part size range (recommended)	0.2-6m (0.7-20ft)
Software	VXeIemets
Output Formats	.dae, .fbx, .ma, .obj, .stl, .txt, .wrl, .x3d, .zpr, .3mf
Compatible software	Dassault Systemes (SOLIDWORKS, CATIA V5), 3D Systemes (Geomagic solution), InnovMetric software (PolyWorks), Metrologic Group (Metrolog X4), New River Kinematics (Spatial Analyzer), Verisurf, PTC (Creo), Slemens (NX, Solid Edge), Autodesk (Inventor, PowerINSPECT)
Weight	Scanner : 1.49kg (3.28lb), Probe: 0.5kg (1.1lb), C-Track: 5.7kg (12.5lb)
Dimensions (LXWXH)	Scanner: 289X235296mm (11.4X9.3X11.7in), Probe: 68X157X340mm (40.6X7.1X5.8in)
Operating Temperature	5-40 °C (41-104 °F)
Operating humidity range (non-condensing)	10-90%
Certifications	EC compliance (Electromagnetic compatibility Directive, Low Voltage Directive), compatible with rechargeable batteries (when applicable), IP50, WEE
Patents	FR 2,838,198, EP (FR, UK, DE, IT) 1,492,995, US 7,487,063, CA 2,529,044

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