

The Truly Portable Metrology-grade 3D Scanner for Large Parts

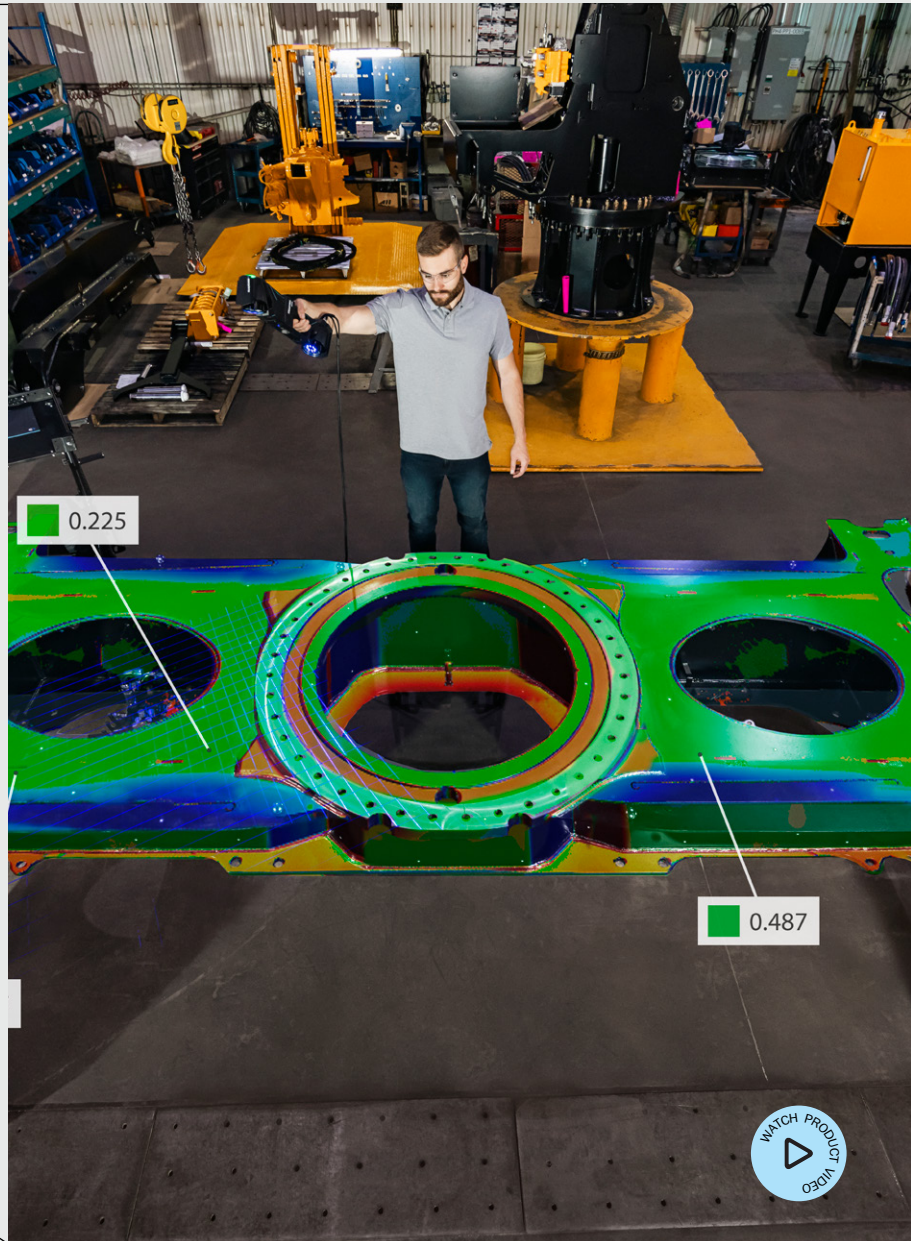
HandySCAN 3D

MAX Series



The HandySCAN 3D™ line-up is known as the industry standard in portable metrology-grade 3D scanners and a recognized, proven and trusted technology. Combining the inherent benefits of the HandySCAN 3D, the MAX Series is optimized to acquire highly accurate 3D measurements on large and complex parts with no surface preparation required.

Engineered to capture fine details and scan large volumes equally well, the HandySCAN 3D | MAX Series enables professionals working in a wide variety of industries to measure large parts from all angles, resulting in high-quality 3D scans in just a matter of minutes.



Extra large scanning area
Up to 2.0 X 2.4 m

Reliable acceptance test
ISO 17025
accredited laboratory

Worldwide repairs and customer support

Powerful and Intuitive Software for an Optimal User Experience

VXelements is a powerful integrated 3D software platform that works in complete synergy with the entire fleet of Creaform's 3D measuring devices. With VXelements, both 3D data acquisition as well as post-treatment and analyses occur in the same intuitive interface to guarantee an optimal user experience, seamless interaction with the device, and the shortest time to a usable mesh, 3D model, or inspection report.

Acquisition modules are included with every measurement device from Creaform. They provide real-time visualization and produce better data quality from 3D measurements, making the results user-independent and maximizing device performance. Application modules are available as add-ons to process and optimize 3D scan data for diverse applications, including creating digital twins, product development, reverse engineering, inspections, and dynamic tracking.



Technical Specifications

	HandySCAN MAX™	HandySCAN MAX™ Elite								
ACCURACY ⁽¹⁾	0.150 mm	0.075 mm								
VOLUMETRIC ACCURACY ⁽²⁾ (based on part size)	0.150 mm + 0.020 mm/m	0.075 mm + 0.010 mm/m								
MEASUREMENT CAPABILITIES (at a working distance of 0.5 m)	<table border="1"> <tr> <td> Pin</td> <td>2.50 mm</td> </tr> <tr> <td> Hole</td> <td>3.50 mm</td> </tr> <tr> <td> Step</td> <td>0.04 mm</td> </tr> <tr> <td> Wall</td> <td>2.00 mm</td> </tr> </table>		Pin	2.50 mm	Hole	3.50 mm	Step	0.04 mm	Wall	2.00 mm
Pin	2.50 mm									
Hole	3.50 mm									
Step	0.04 mm									
Wall	2.00 mm									
LIGHT SOURCE ⁽³⁾	38 blue laser lines									
WORKING DISTANCE	0.45 to 1.60 m	0.30 to 2.50 m								
PART SIZE RANGE (recommended)	1–10 m	1–15 m								
WEIGHT	1.22 kg									

(1) HandySCAN MAX and HandySCAN MAX|Elite (ISO 17025 accredited): Based on VDI/VDE 2634 part 3 standard. Probing error performance is assessed with diameter measurements on traceable sphere artefacts. Results are obtained at stand-off distance of 0.6 m and 1.2 m.

(2) HandySCAN MAX and HandySCAN MAX|Elite (ISO 17025 accredited): Based on VDI/VDE 2634 part 3 standard. Sphere-spacing error is assessed with traceable length artefacts by measuring these at different locations and orientations within the working volume. Results are obtained at stand-off distance of 0.6 m and 1.2 m and using integrated photogrammetry with volumetric accuracy optimization.

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



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

creaform3d.com



Authorized Distributor