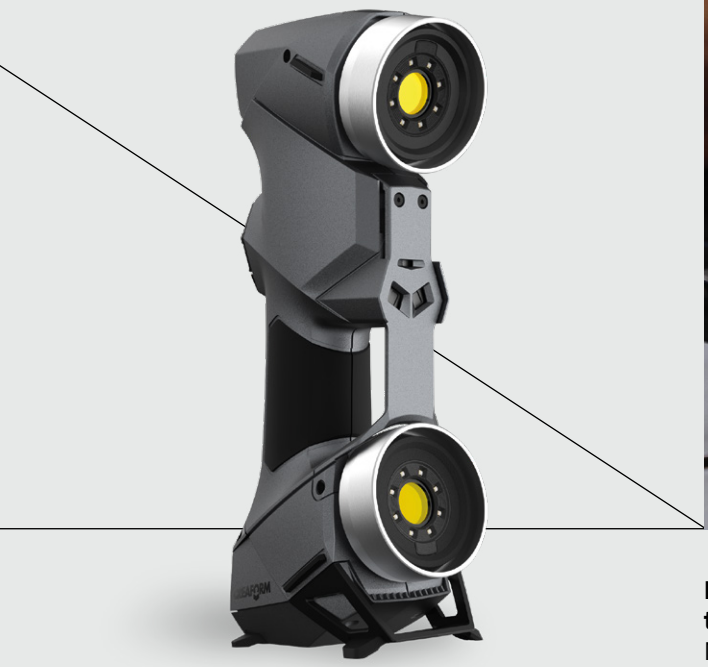
Proven and Trusted Professional 3D Scanners at an Accessible Price

HandySCAN 3D

SILVER Series

The SILVER Series is part of the HandySCAN 3D™ lineup, the industry standard in portable metrology-grade 3D scanners. This proven and trusted patented technology captures accurate and repeatable 3D measurements of any complex surface and in any location.

The HandySCAN 3D|SILVER Series is optimized to meet the needs of technology innovators and engineering professionals looking for a powerful, accessible, and reliable way to improve product development, shorten time-to-market, and reduce development costs.



Proven and trusted solution
More than 5000 users around the world

Best price / performance option

Worldwide repairs and customer support

CREAFORM / AMETEK®

INNOVATION TAKES FORM

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 SILVER™	HandySCAN SILVER™|Elite
ACCURACY [1]		Up to 0.040 mm (0.0016 in)	Up to 0.030 mm (0.0012 in)
VOLUMETRIC ACCURACY [2] (based on part size)		0.020 mm + 0.100 mm/m (0.0008 in + 0.0012 in/ft)	0.020 mm + 0.060 mm/m (0.0008 in + 0.0007 in/ft)
MEASUREMENT CAPABILITIES (at a working distance of 0.3 m (1 ft))	Pin	1.00 mm (0.0393 in)	
	Hole	1.50 mm (0.0591 in)	
	Step	0.030 mm (0.0012 in)	
	Wall	0.75 mm (0.0295 in)	
LIGHT SOURCE [3]		14 blue laser lines	14 blue laser lines (+ 1 extra line)
SCANNING AREA		310 x 350 mm (12.2 in x 13.8 in)	
PART SIZE RANGE (recommended)		0.05–4 m (0.15–13.1 ft)	
WEIGHT		0.94 kg (2.1 lb)	

(1) Typical value for diameter measurements on a calibrated sphere artefact.

(2) Value for sphere spacing measurement on a calibrated length artefact. Results are obtained using integrated photogrammetry with volumetric accuracy optimization.

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

SEE MORE SPECS +

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(주)크레아텍
서울시 금천구 범안로 1126, 501호(대륭테크노타운 21차)
T : 02-6332-9570 | E : createc@createc.kr | www.createc.kr

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