

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

Technical Specifications

	HandySCAN SILVER™	HandySCAN SILVER™ Elite
ACCURACY ⁽¹⁾	Up to 0.040 mm	Up to 0.030 mm
VOLUMETRIC ACCURACY ⁽²⁾ (based on part size)	0.020 mm + 0.100 mm/m	0.020 mm + 0.060 mm/m
VOLUMETRIC ACCURACY WITH MaxSHOT Next Elite ⁽³⁾	0.020 mm + 0.015 mm/m	
MEASUREMENT CAPABILITIES (at a working distance of 0,3 m)	 Pin	1.00 mm
	 Hole	1.50 mm
	 Step	0.030 mm
	 Wall	0.75 mm
MEASUREMENT RESOLUTION	0.030 mm	
MESH RESOLUTION	0.200 mm	
MEASUREMENT RATE	800,000 measurements/s	
LIGHT SOURCE ⁽⁴⁾	14 blue laser lines	14 blue laser lines (+ 1 extra line)
SCANNING AREA	Up to 310 x 350 mm	
WORKING DISTANCE	200 to 450 mm	
DEPTH OF FIELD	250 mm	
PART SIZE RANGE (recommended)	0.05–4 m	
SOFTWARE	VXelements	
OUTPUT FORMATS	.dae, .fbx, .ma, .obj, .ply, .stl, .txt, .wrl, .x3d, .x3dz, .zpr, .3mf	
COMPATIBLE SOFTWARE ⁽⁵⁾	3D Systems (Geomagic® Solutions), InnovMetric Software (PolyWorks), Metrologic Group (Metrolog X4), New River Kinematics (Spatial Analyzer), Verisurf, Dassault Systèmes (CATIA V5, SOLIDWORKS), PTC (Creo), Siemens (NX, Solid Edge), Autodesk (Inventor, PowerINSPECT)	
WEIGHT	0.94 kg	
DIMENSIONS (LxWxH)	79 x 142 x 288 mm	
CONNECTION STANDARD	1 X USB 3.0	
OPERATING TEMPERATURE RANGE	5-40 °C	
OPERATING HUMIDITY RANGE (non-condensing)	10-90%	
CERTIFICATIONS	EC Compliance (Electromagnetic Compatibility Directive, Low Voltage Directive), compatible with rechargeable batteries (when applicable), IP50, WEEE	
PATENTS	CA 2,600,926, CN 200680014069.3, US 7,912,673, CA 2,656,163, EP (FR, UK, DE) 1,877,726, AU 2006222458, US 8,032,327, JP 4,871,352, US 8,140,295, EP (FR, UK, DE) 2,278,271, EP (FR, UK, DE) 2,230,482, IN 266,573, US 7,487,063, CA 2,529,044, EP (FR, UK, DE) 3,102,908, US 15/114,563, CN 201580007340X	

(1) Typical value for diameter measurement on a calibrated sphere artefact.
(2) Value for spheres spacing measurement on a calibrated length artefact. Results are obtained using integrated photogrammetry with volumetric accuracy optimization.
(3) The volumetric accuracy of the system when using a MaxSHOT 3D cannot be superior to the default accuracy for a given model.
(4) Laser class: 2M (eye safe).
(5) Also compatible with all major metrology, CAD, and computer graphic software through mesh and point cloud import.



Phillips
ADDITIVE

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Authorized Distributor