

# TECHNICAL SPECIFICATIONS

Innovating technology that provides accuracy, simplicity, portability as well as real speed to your applications.

	HandySCAN 307™	HandySCAN 700™
<b>ACCURACY</b> <sup>(1)</sup>	Up to 0.040 mm (0.0016 in)	Up to 0.030 mm (0.0012 in)
<b>VOLUMETRIC ACCURACY</b> <sup>(2)</sup> (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)
<b>VOLUMETRIC ACCURACY WITH MaxSHOT Next™IElite</b> <sup>(3)</sup>	0.020 mm + 0.015 mm/m (0.0008 in + 0.00018 in/ft)	
<b>MEASUREMENT RESOLUTION</b>	0.100 mm (0.0039 in)	0.050 mm (0.0019 in)
<b>MESH RESOLUTION</b>	0.200 mm (0.0078 in)	
<b>MEASUREMENT RATE</b>	480,000 measurements/s	
<b>LIGHT SOURCE</b>	7 red laser crosses	7 red laser crosses (+ 1 extra line)
<b>LASER CLASS</b>	2M (eye safe)	
<b>SCANNING AREA</b>	275 x 250 mm (10.8 x 9.8 in)	
<b>STAND-OFF DISTANCE</b>	300 mm (11.8 in)	
<b>DEPTH OF FIELD</b>	250 mm (9.8 in)	
<b>PART SIZE RANGE</b> (recommended)	0.1–4 m (0.3–13 ft)	
<b>SOFTWARE</b>	VXelements	
<b>OUTPUT FORMATS</b>	.dae, .fbx, .ma, .obj, .ply, .stl, .txt, .wrl, .x3d, .x3dz, .zpr, .3mf	
<b>COMPATIBLE SOFTWARE</b> <sup>(4)</sup>	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)	
<b>WEIGHT</b>	0.85 kg (1.9 lb)	
<b>DIMENSIONS</b> (LxWxH)	77 x 122 x 294 mm (3.0 x 4.8 x 11.6 in)	
<b>CONNECTION STANDARD</b>	1 X USB 3.0	
<b>OPERATING TEMPERATURE RANGE</b>	5–40°C (41–104°F)	
<b>OPERATING HUMIDITY RANGE</b> (non-condensing)	10–90%	
<b>CERTIFICATIONS</b>	EC Compliance (Electromagnetic Compatibility Directive, Low Voltage Directive), compatible with rechargeable batteries (when applicable), IP50, WEEE	
<b>PATENTS</b>	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.

(3) The volumetric accuracy of the system when using a MaxSHOT 3D cannot be superior to the default accuracy for a given model.

(4) Also compatible with all major metrology, CAD, and computer graphic software through mesh and point cloud import.