

## TECHNICAL SPECIFICATIONS

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

	HandySCAN 307™	HandySCAN 307™ Elite	HandySCAN 700™ Elite
<b>ACCURACY</b> <sup>(1)</sup>	Up to 0.040 mm		Up to 0.030 mm
<b>VOLUMETRIC ACCURACY</b> <sup>(2)</sup> (based on part size)	0.020 mm + 0.100 mm/m		0.020 mm + 0.060 mm/m
<b>VOLUMETRIC ACCURACY WITH MaxSHOT Next™ Elite</b> <sup>(3)</sup>	0.020 mm + 0.015 mm/m		
<b>MEASUREMENT RESOLUTION</b>	0.100 mm	0.050 mm	
<b>MESH RESOLUTION</b>	0.200 mm		
<b>MEASUREMENT RATE</b>	480,000 measurements/s		
<b>LIGHT SOURCE</b>	7 red laser crosses	7 blue laser crosses	7 blue laser crosses (+ 1 extra line)
<b>LASER CLASS</b>	2M (eye safe)		
<b>SCANNING AREA</b>	275 x 250 mm		
<b>STAND-OFF DISTANCE</b>	300 mm		
<b>DEPTH OF FIELD</b>	250 mm		
<b>PART SIZE RANGE</b> (recommended)	0.1-4 m		
<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		
<b>DIMENSIONS</b> (LxWxH)	77 x 122 x 294 mm		
<b>CONNECTION STANDARD</b>	1 X USB 3.0		
<b>OPERATING TEMPERATURE RANGE</b>	5-40°C		
<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. 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) Also compatible with all major metrology, CAD, and computer graphic software through mesh and point cloud import.

## CREAFORM / AMETEK®

**AMETEK Singapore PTE Ltd. | Division Creaform**  
20 Changi Business Park Central 2 #04-03  
Singapore 486031  
T.: +65 6484 2388 | F.: +65 6481 6588

[creaform.info@ametek.com](mailto:creaform.info@ametek.com) | [creaform3d.com](http://creaform3d.com)



HandySCAN 3D, HandySCAN 307, HandySCAN 307|Elite, HandySCAN 700|Elite, MaxSHOT 3D, MaxSHOT Next|Elite, VXelements, and their respective logo are trademarks of Creaform Inc. © Creaform Inc. 2022. All rights reserved. V2

Authorized Distributor

 **PROFESSIONAL CAD SYSTEMS LTD**

Unit 4 / 31 Chafer Place  
Te Rapa Park  
Hamilton 3200

E: [info@procadsys.co.nz](mailto:info@procadsys.co.nz)  
P: +64 7 848 2005  
W: [procadsys.co.nz](http://procadsys.co.nz)