

TECHNICAL SPECIFICATIONS

Innovating technology that provides *TRUaccuracy™*, *TRUsimplicity™*, *TRUportability™* as well as real speed to your professional-grade applications.

Go!SCAN SPARK™

ACCURACY ⁽¹⁾	Up to 0.050 mm (0.0020 in)
VOLUMETRIC ACCURACY ⁽²⁾ (based on part size)	0.050 mm + 0.100 mm/m (0.0020 in + 0.0018 in/ft)
VOLUMETRIC ACCURACY WITH MaxSHOT Next™ I Elite ⁽³⁾	0.050 mm + 0.015 mm/m (0.0020 in + 0.00018 in/ft)
MEASUREMENT RESOLUTION	0.100 mm (0.0039 in)
MESH RESOLUTION	0.200 mm (0.0078 in)
MEASUREMENT RATE	1,500,000 measurements/s
LIGHT SOURCE	White light (99 stripes)
POSITIONING METHODS	Geometry and/or color and/or targets
SCANNING AREA	390 x 390 mm (15.4 x 15.4 in)
STAND-OFF DISTANCE	400 mm (15.7 in)
DEPTH OF FIELD	300 mm (11.8 in)
PART SIZE RANGE (recommended)	0.1–4 m (0.3–13 ft)
TEXTURE RESOLUTION	50 to 200 DPI
TEXTURE COLORS	24 bits
SOFTWARE	VXelements
OUTPUT FORMATS	.dae, .fbx, .ma, .obj, .ply, .stl, .txt, .wrl, .x3d, .x3dz, .zpr, .3mf
COMPATIBLE SOFTWARE	3D Systems (Geomagic® Solutions), InnovMetric Software (PolyWorks), Dassault (CATIA V5 and SOLIDWORKS), PTC (Creo), Siemens (NX and Solid Edge), Autodesk (Inventor, Alias, 3ds Max, Maya, Softimage)
WEIGHT	1.25 kg (2.7 lb)
DIMENSIONS (LxWxH)	89 x 114 x 346 mm (3.5 x 4.5 x 13.6 in)
CONNECTION STANDARD	1 X USB 3.0
OPERATING TEMPERATURE RANGE	5–40°C (41–104°F)
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, EP (FR, UK, DE) 1,877,726, AU 2006222458, US 8,032,327, JP 4,871,352, EP (FR, UK, DE) 2,278,271, IN 266,573, US 7,487,063, CA 2,529,044, CA 2,810,587, US 8,836,766, JP 5,635,218, CA 2,875,754, EP (FR, UK, DE) 2,751,521, US 9,325,974, CA 2,835,306, CN 201280023545.3, CN 201280049264.5, JP 6,025,830, EP (FR, UK, DE) 2,875,314, CN ZL 201380029999.6, JP 6,267,700, 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) Performance with positioning targets or with an object presenting adequate geometry/color texture for positioning. Performance is assessed with traceable length artefacts using positioning targets.

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



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