



[HandySCAN EVO | Elite](#)

Accuracy

0.020 mm
(0.0008 in)

0.015 mm⁽¹⁾
(0.0006 in)⁽¹⁾

Volumetric accuracy (based on part size)

0.020 mm + 0.020 mm/m
(0.0008 in + 0.00024 in/ft)

0.020 mm + 0.015 mm/m⁽²⁾
(0.0008 in + 0.00018 in/ft)⁽²⁾

0.015 mm + 0.015 mm/m⁽¹⁾⁽²⁾
(0.0006 in + 0.00018 in/ft)⁽¹⁾⁽²⁾

Form error (Sphere)

0.030 mm(0.0012 in)

Measurement capabilities (at a working distance of 0.3 m (1 ft))



0.750 mm
(0.0295 in)



1.250 mm
(0.0492 in)



0.025 mm
(0.0010 in)



0.500 mm
(0.0197 in)

Measurement resolution

0.025 mm
(0.0010 in)

Mesh resolution

0.100 mm
(0.0039 in)

Measurement rate

2,800,000 measurements/s

Light source

46 Blue Laser Lines (+1 extra line) + Laser Pointer⁽⁴⁾

Scanner Controls

4.3" touchscreen display + physical buttons

Photo Camera

12 MP, AR-enabled

Real-time Calibration

Included

Automatic Alignment & Clean-up

Included

Working Distance

200 to 750 mm
(7.9 x 29.5 in)

Part size range (recommended)

0.05-4 m
(0.15-13.1 ft)

Output formats

.dae, .fbx, .ma, .obj, .ply, .stl, .txt, .wrl, .x3d, .x3dz, .zpr, .3mf

Compatible software

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)⁽⁵⁾

Weight

1.04kg
(2.3 lb)

Dimensions

(LxWxH)

86 x 121 x 285 mm
(3.4 x 4.8 x 11.2 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, 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, EP (FR, UK, DE) 3,102,908, US 10,271,039, JP 6,596,433, CA 2,938,104, KR 10-2424135, CA 3,223,372

(1) Performance obtained with Limited Edition. Limited Edition is able to deliver improved accuracy through optimized manufacturing and calibration processes.
(2) Performance obtained with scale bars included in the Accu+ Kit.
(3) Performance tests done in Creaform's ISO/IEC 17025 accredited calibration laboratories.
(4) Laser class: 2M (eye safe)
(5) Also compatible with all major metrology, CAD, and computer graphic software through mesh and point cloud import.