## HandySCAN 3D | PRO Series Technical specifications

The HandySCAN 3D | PRO Series sets the standard in portable 3D measurement for product development and reverse engineering.

Built on trusted and proven technology, it delivers unmatched accuracy, resolution, and simplicity—anywhere, on any surface, no matter how complex.

Its advanced technical specifications make it the go-to solution for technology innovators and engineering professionals seeking a powerful, accessible way to accelerate product development, cut time-to-market, and lower development costs.





## **HandySCAN PRO**

Accuracy

Up to 0.030 mm<sup>(1)</sup>  $(0.0012 \text{ in})^{(1)}$ 

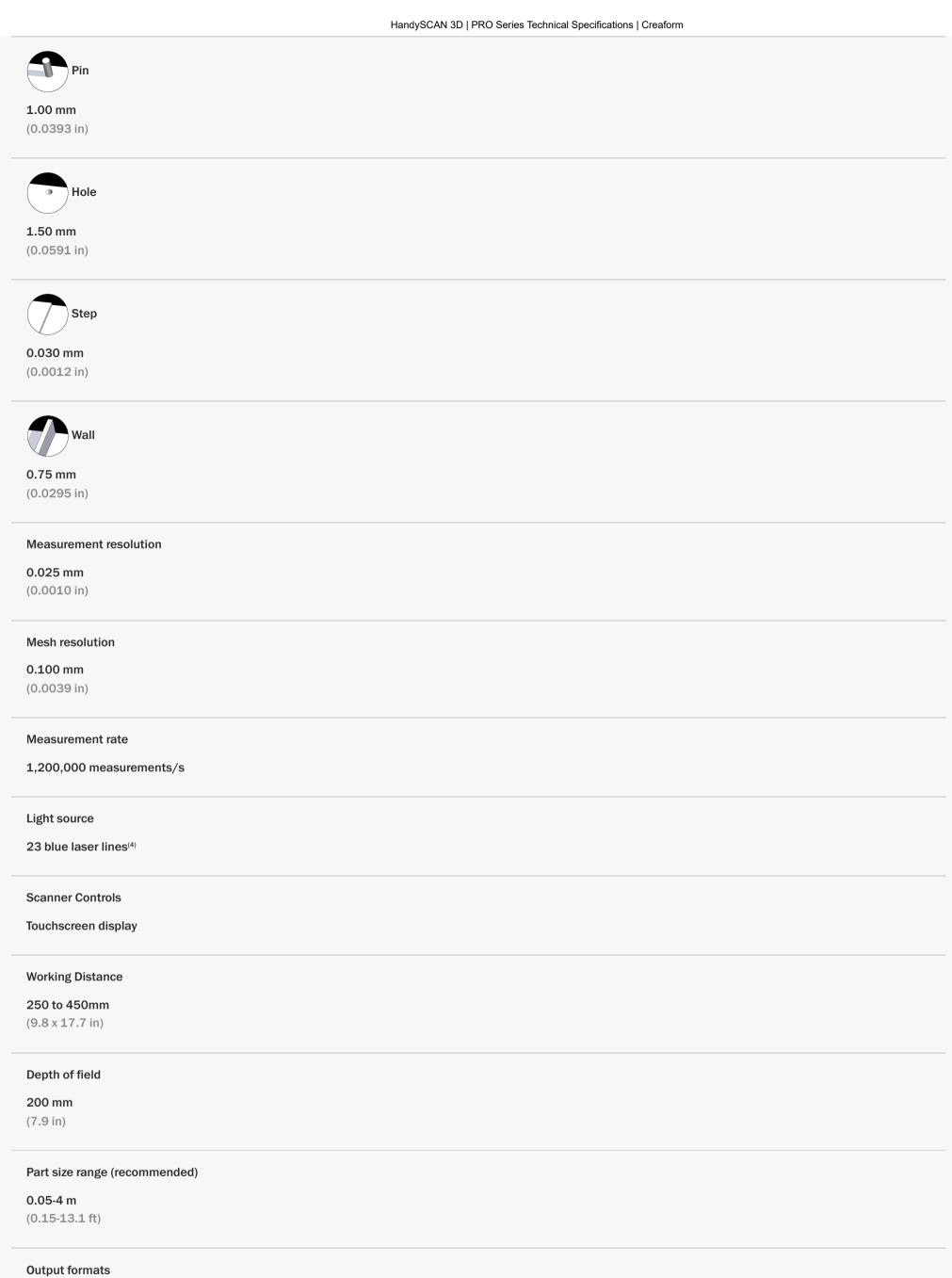
Volumetric accuracy (based on part size)

 $0.020 \text{ mm} + 0.060 \text{ mm/m}^{(2)}$  $(0.0008 \text{ in} + 0.00072 \text{ in/ft})^{(2)}$ 

Volumetric accuracy with MaxSHOT Next™lElite

 $0.030 \text{ mm} + 0.015 \text{ mm/m}^{(3)}$  $(0.0012 \text{ in} + 0.00018 \text{ in/ft})^{(3)}$ 

Measurement capabilities (at a working distance of 0.35 m (1,2ft))



sucput formats

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

**Reverse Engineering Software** 

Scan-to-CAD Pro (included)

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) <sup>(5)</sup>
Weight
920 g (2.0 lb)
Dimensions (LxWxH)
79 x 150 x 304 mm (3.2 x 5.9 x 12 in)
Connection standard
1 X USB 3.0
Operating temperature range
5-40 °C
(41-104 °F)
Operating humidity range
(non-condensing)  10-90%
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, EM 009203334-0001, EM 009203334-0002, EM 009203334-0003, EM 009203334-0004, EM 009203334-0005, EM 009203334-0006, CN 220,206,623 U, CN 308805542 S, CN 221,445,081 U
(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).
- $(5) Also \ compatible \ with \ all \ major \ metrology, \ CAD, \ and \ computer \ graphic \ software \ through \ mesh \ and \ point \ cloud \ import.$