

Artec Point II

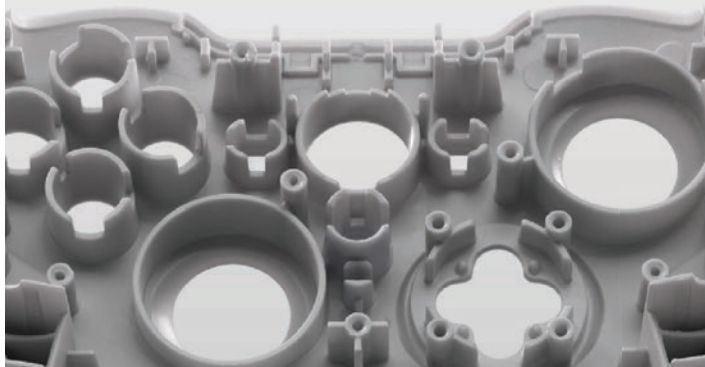
 Artec 3D

Targeted accuracy
for metrology-grade results.
On point. Every time.



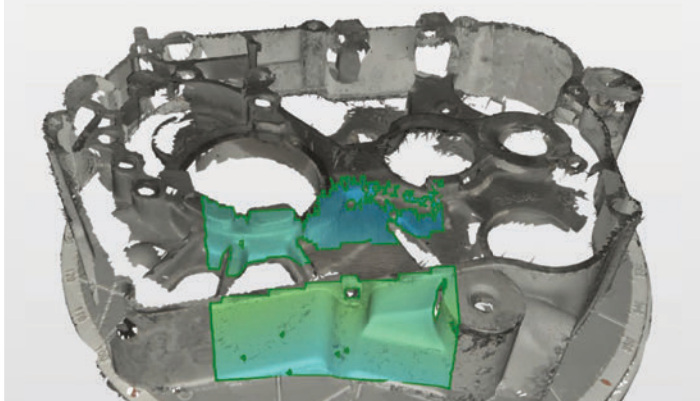
Magnify for a closer look

Zoom in up to 8x further for complete coverage and picking up tiny details, invisible to the naked eye.



Steadfast tracking

Point II's highly stable 120 FPS tracking stays firmly locked onto objects, making scanning a breeze.



Made for metrology

Artec Point II's high accuracy and repeatability are ISO & VDI/VDE-certified, so you can use it for reliable results in advanced metrology.

Distance map

Name
Distance map 1

From
CQG_CAD

To
CQG_MESH

Search distance
1.00 mm

Distance calculation mode
☐ Shortest distance
☒ Along normals

Recalculate

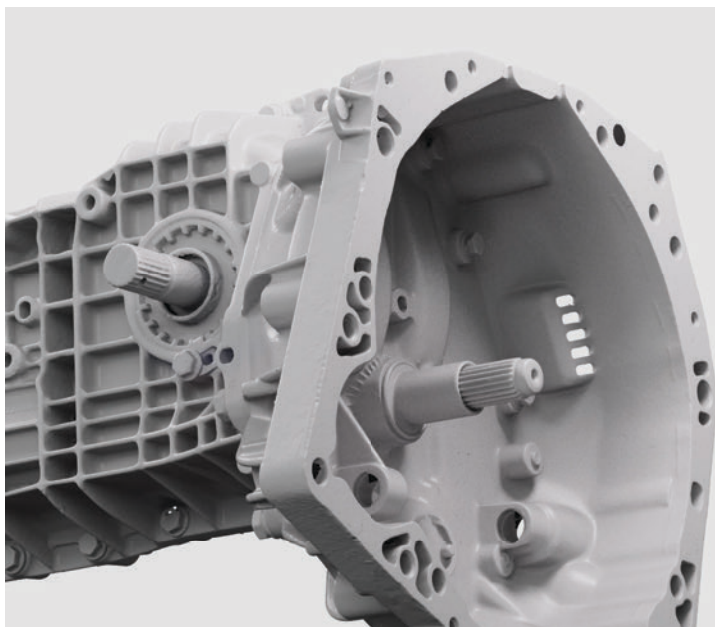
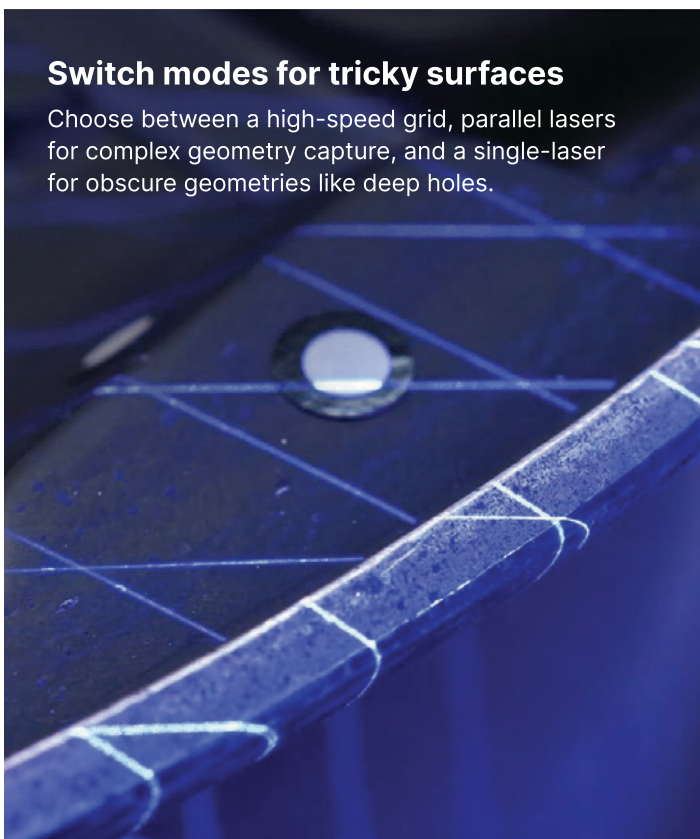
Mean:
Absolute distance 0.04751 mm
Absolute deviation 0.04727 mm
Signed distance 0.00342 mm
Root mean square 0.06694 mm
Error scale 0.998 mm

Show Max./Min. deviation



Switch modes for tricky surfaces

Choose between a high-speed grid, parallel lasers for complex geometry capture, and a single-laser for obscure geometries like deep holes.



Industrial build quality

With IP50 dust protection and a robust yet lightweight metal casing, Artec Point II is built for use cases in demanding industrial environments.

Wide field of view

Artec Point II's vast scanning area allows it to capture large objects while keeping targets in view for seamless, high-speed 3D scanning.

An all-in-one software for capturing, editing,
and analyzing incredibly detailed digital twins

Intuitive data capture

Artec Studio gives real-time scan feedback, so even newcomers can capture complete, detail-rich 3D models.

Fast, automated processing

Ask Autopilot to process your data, or set up custom, automatic workflows that meet your exact needs.

Merge different types of data

Combine point clouds captured using one or more Artec 3D scanners, or add drone photogrammetry data, for large 3D models with incredible detail where it counts.

Top-class software integration

Seamlessly export to third-party software for access to more advanced reverse engineering and inspection tools.

Go from scan-to-CAD

Extract key geometry data, modify with boolean operations, and convert to CAD with auto-surfacing.

Inspection tools built-in

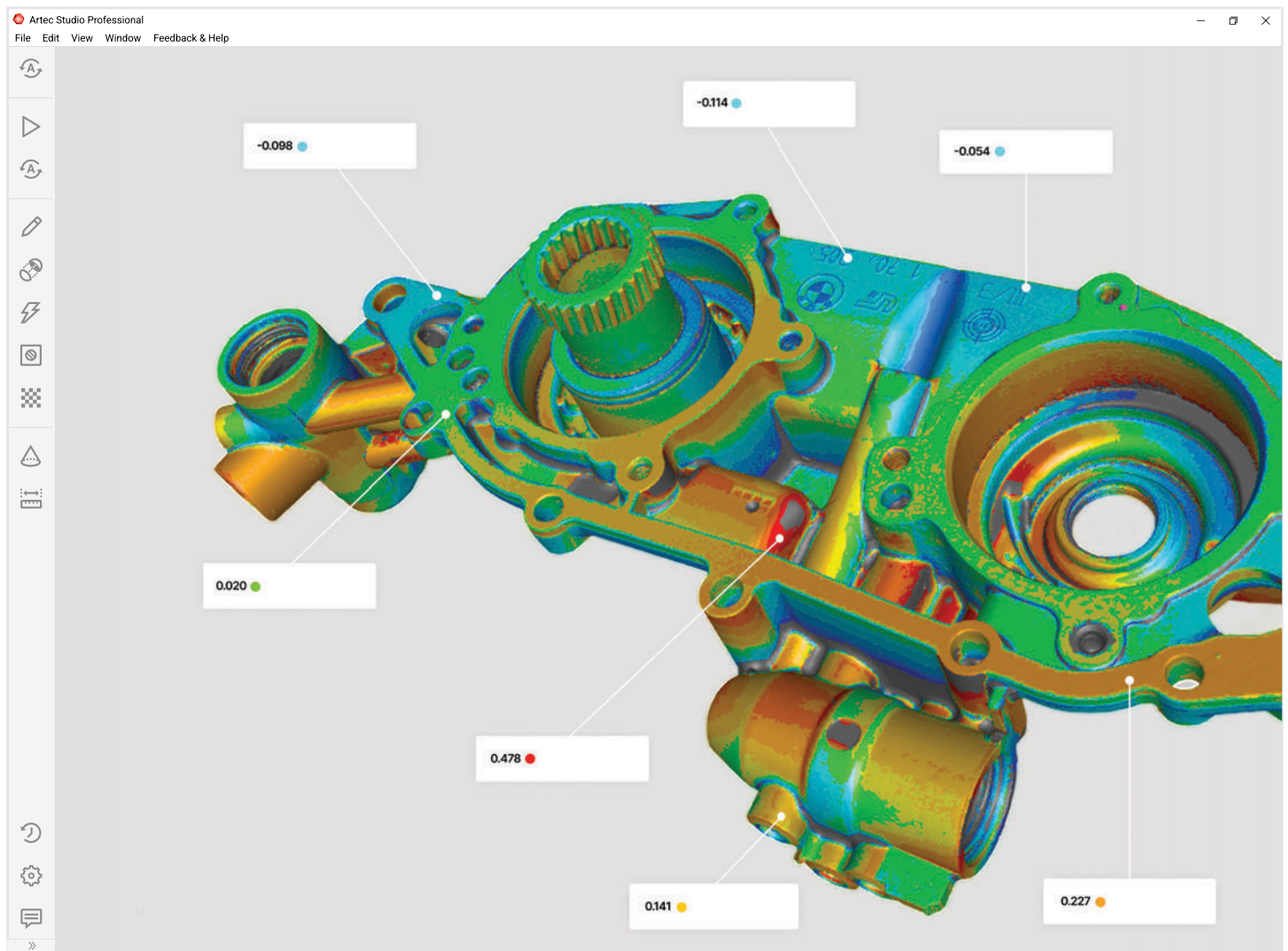
Divide scans into sections, uncover defects with 3D compare map, and ensure product standards with tolerance checking.

Updated yearly

Each new version of Artec Studio brings upgrades that enhance users' 3D data capture experience and deliver even better results.

Built-in 3D modeling toolkit

Expert tools make it easy to align & fuse different datasets, then make essential edits for polished results.



Artec Point II

Specifications



Resolution & accuracy

Resolution, up to	0.02 mm (0.0008 in)
Accuracy, up to	0.02 mm (0.0008 in)
3D accuracy over distance, up to	0.015 mm + 0.035 mm/m (0.0006 in + 0.0004 in/ft) 0.015 mm + 0.015 mm/m with Artec Metrology Kit (0.0006 in + 0.0006 in/ft)

Scanning range

Size of scanning object/ area	S → L
Working distance	> 300 mm (> 11.8 in)
Linear field of view H×W @ furthest range	Up to 700 × 600 mm (27.6 × 23.6 in)
Depth of field	550 mm (21.7 in)

Speed

3D reconstruction rate for real-time fusion, up to	120 fps
Data acquisition speed, up to	5.8 million measurements/s

Scanning modes

Ultra-fast scanning	54 blue laser lines
Hyper-fine scanning	17 blue laser lines
Deep hole scanning	1 single blue laser line

Hardware

Scanner type	Handheld
Power source	AC/DC power adapter, 24V
Interface	USB 3.0
3D structured-light source	Class II blue laser (eye-safe)
Dimensions H×D×W	203 × 80 × 44 mm (8 × 3.1 × 1.7 in)
Weight	0.57 kg/1.3 lbs
Warranty	1 year
Certification	ISO 17025 accredited based on VDI/VDE 2634 & JJF 1951
Dust protection	IP50

Compatibility

Supported OS	Windows 10, 11
Recommended computer parameters	Intel processor with 8 cores, 16 threads, 2.6 GHz and above, 64+ GB RAM, GPU with 8 GB VRAM
Minimum computer requirements	Intel processor with 8 cores, 16 threads, 2.6 GHz and above, 32+ GB RAM, GPU with 4 GB VRAM

Output formats

3D mesh	OBJ, PLY, WRL, STL, AOP, ASC, PTX, E57, XYZRGB
CAD	STEP, IGES, X_T
Measurements	CSV, DXF, XML



Learn more
about Artec Point II
www.artec3d.com