

Artec Micro II

 Artec 3D

Automated desktop 3D scanner

Digitize parts in 5-micron accuracy



Learn more →
about Artec Micro II



Official Artec 3D
Gold Status Reseller



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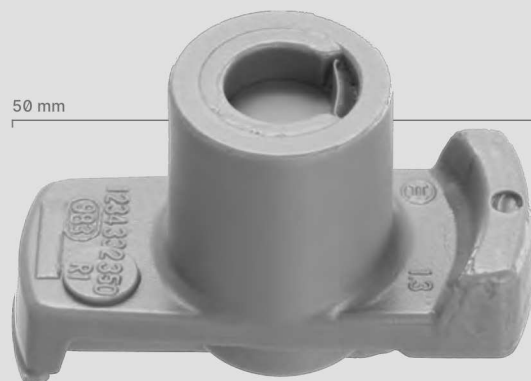
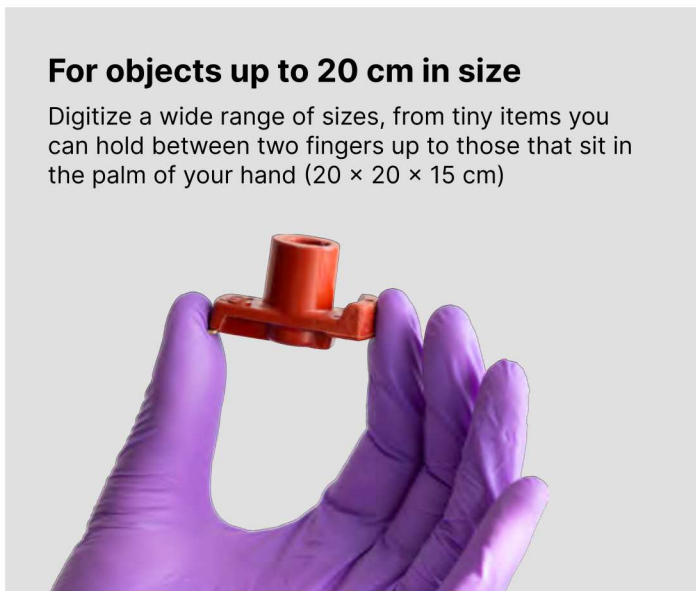
1-click workflow

Present your object and let Micro II do the rest



For objects up to 20 cm in size

Digitize a wide range of sizes, from tiny items you can hold between two fingers up to those that sit in the palm of your hand (20 × 20 × 15 cm)



5-micron accuracy

Capture every detail of your object with astounding accuracy

2-micron repeatability

Consistently get the same results every time



4 × 13 MPX cameras to capture every detail

The Micro II is equipped with four high-resolution cameras, and is capable of scanning sharp edges and miniscule details – just what you need for the 3D scanning of small objects.



Deep view

Get deeper into the nooks of your object with the scanner's quad-cam scanning technique: four specially positioned 13 MPX cameras to capture hard-to-see areas for high-level digitization.



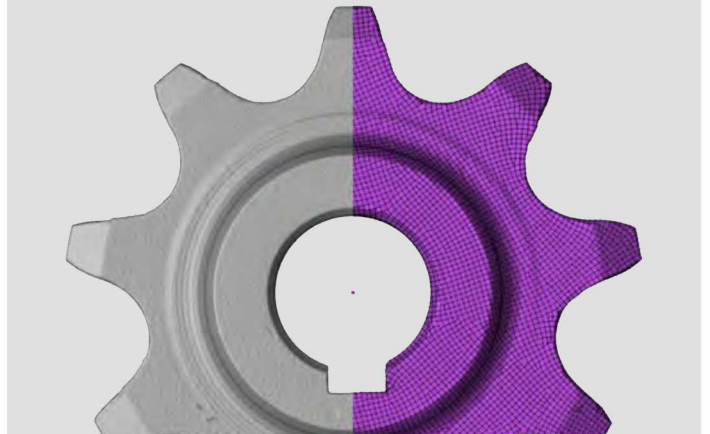
Full color

Scan your objects in full color with Micro II. For hyper-realistic 3D models, add color from high-res photos using Artec Studio's photo-texturing feature.



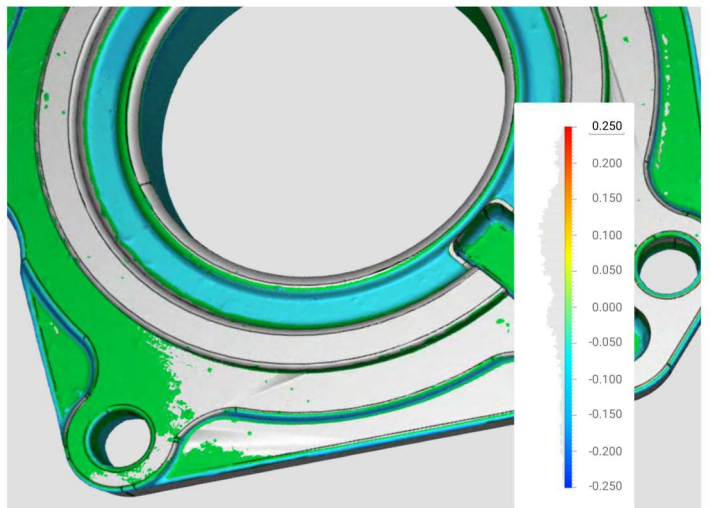
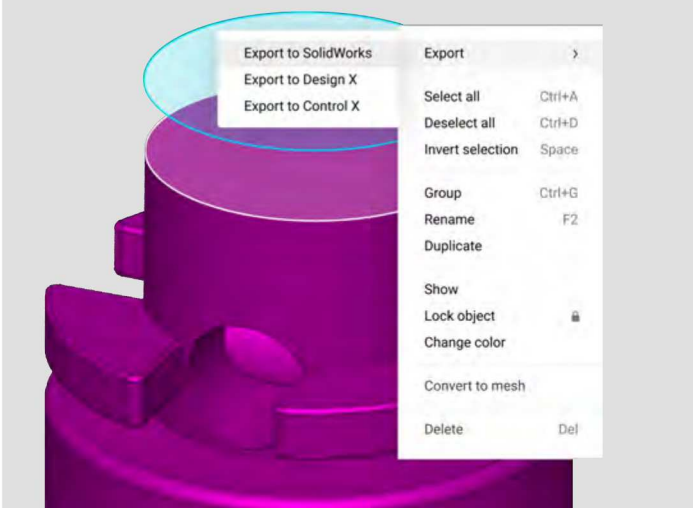
Inspect and reverse engineer right in Artec Studio

Once your 3D scan data is captured, you can quickly and easily inspect and reverse engineer right in AS.



Scan-to-CAD export

Export directly to SOLIDWORKS or Geomagic Design X – or for inspection, directly to Control X for in-depth reports.



Applications

Suitable for reverse engineering of small parts, quality inspection, forensics, jewelry, heritage preservation, and dentistry.

Micro II

Specifications



Accuracy

| | |
|------------------------|-----------------------------------|
| 3D point accuracy | 5 microns, 2 micron repeatability |
| Accuracy certification | ISO12836 |

Field of view

| | |
|----------------|---|
| Volume capture | 6000 cm ³ (18.5 times larger than Micro I) |
| Field of view | 20 × 20 × 15 cm |
| Scan system | 3-axis |

Resolution

| | |
|---------------|------------------------------|
| Cameras | 4 × 13 MP resolution cameras |
| 3D resolution | TBC |

Algorithms

| | |
|---------------------|-----------------------------------|
| Smart Scanning Mode | Yes |
| HD Mode | To be released in Artec Studio 19 |

Color

| | |
|----------------------------|-------------------------------|
| Ability to capture texture | Scanner native & phototexture |
| Colors | 24 bpp |

Speed

| | |
|------------------------|----------------|
| Data acquisition speed | 1 mln points/s |
|------------------------|----------------|

Light source

| | |
|-----------------|---------|
| 3D light source | RGB LED |
| 2D light source | RGB LED |

Hardware

| | |
|------------|--------------------|
| Interface | USB 3.0 |
| Dimensions | 396 × 405 × 337 mm |
| Weight | 12 kg |

Computer requirements

| | |
|-----------------------------------|--|
| Supported OS | Windows 10 (x64), Windows 11 |
| Recommended computer requirements | Intel Core i7 or i9, 64+ GB RAM, NVIDIA GPU with at least 3 GB VRAM, CUDA 3.5+ |
| Minimum computer requirements | Intel Core i5, i7, or i9, 32GB RAM, GPU with 2 GB VRAM |

Warranty

2 years

Output formats

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



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