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# Artec MICRO II

Quick Start Guide  
Scanning with Artec Micro II



English

Version 2025.04A

## In this document you will find a short description of how to scan with Artec Micro II.

A detailed description of the complete functionality can be found in the English manual that is installed on the computer during the installation of Artec Studio. You can open this with CTRL-F1.

We strongly advise you to take time for this and especially to read the practical tips carefully.

### What is the Micro II?

The Micro II is a tabletop scanner for small objects, with accuracy up to 5 microns and accuracy repeatability up to 2 microns.

- The maximum weight of the object to be scanned > **2 kg**.
- The maximum dimensions of the object are (W x L x H) > **200mm x 200mm x 150mm**.

### How does it work?

An object is fixed on the rotating table inside the scanner with the help of fixtures. The table turns while Micro II projects a

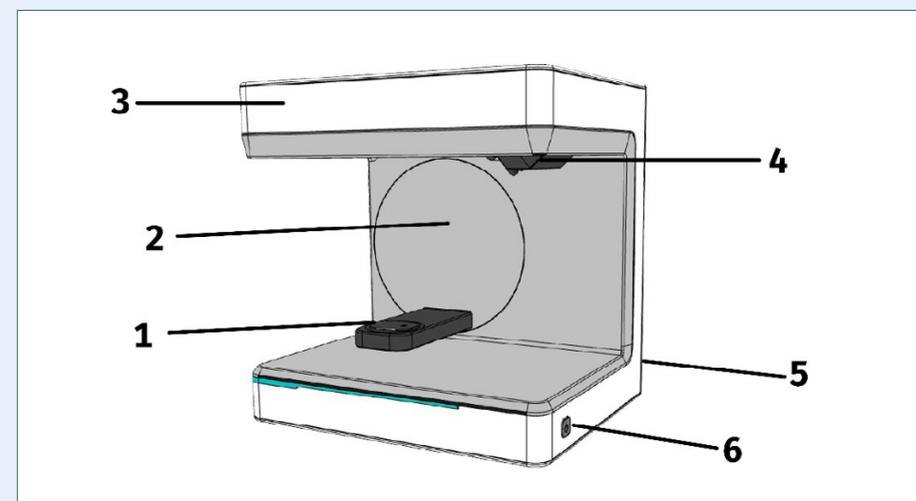
white light pattern on the object. The scanning process is fully automatic; it does not involve the user **nor requires any scanning skills**.

### Applications

Can be used in quality inspection, reverse engineering, jewelry making, cultural heritage preservation, dentistry.

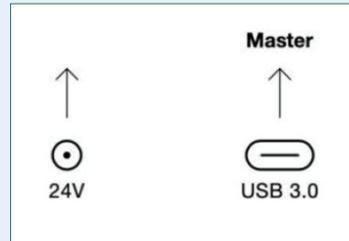
### Scanner components

1. Fixture platform
2. Swivel bracket
3. Housing
4. Optical scan unit
5. Connector strip (see below))
6. Power On/Off button



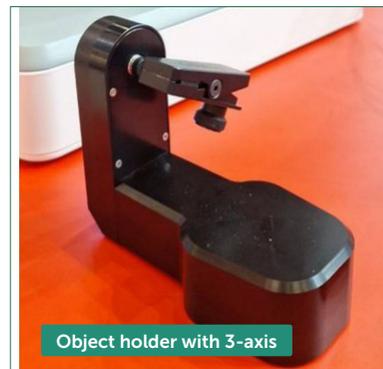
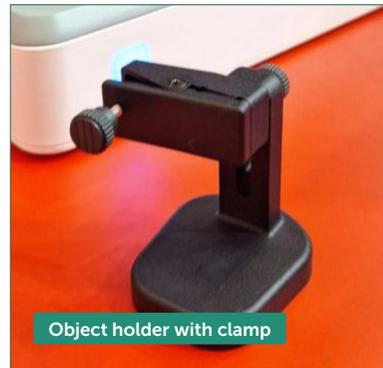
### Connectors rear side:

24 V DC Power supply socket and  
USB C3.0 Port Master Unit



### Fixtures

The scanner comes with several holders, so the user can choose the most optimal way of clamping the objects to be scanned.



### Install Software

Artec Micro II requires Artec Studio 18 (and later) software which allows it to scan, and process scanned data.

Note that an Internet connection must be available to download and license the software.

You must install drivers for Micro II before connecting the scanner to your computer.

### Attention

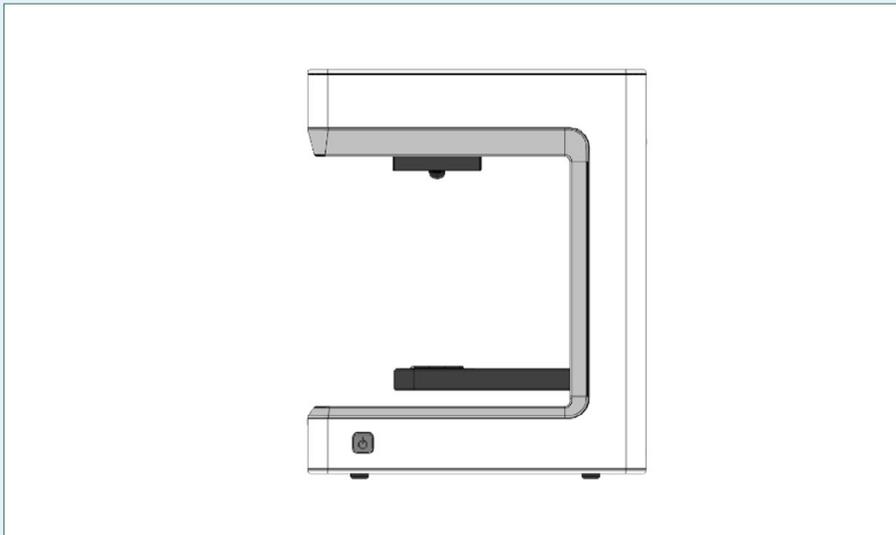
Ensure that Micro II is disconnected from your computer during this installation!

Open Artec Installation Center and Select the Artec Micro II drivers. Click to install the drivers and finish the installation.

## Connect Cables

1. Plug the power-adaptor cable into the scanner's 24V power supply port located in the rear side of Micro II.
2. Plug the other end of the power-adaptor into a power outlet.
3. Insert the USB Type-C cable into scanner's USB Type-C port.
4. Connect the other end of the cable to a USB 3.0 port on your computer. **Hint:** USB 3.0 ports often have blue inserts.
5. Turn on the computer.
6. Toggle the power switch to turn on the scanner.

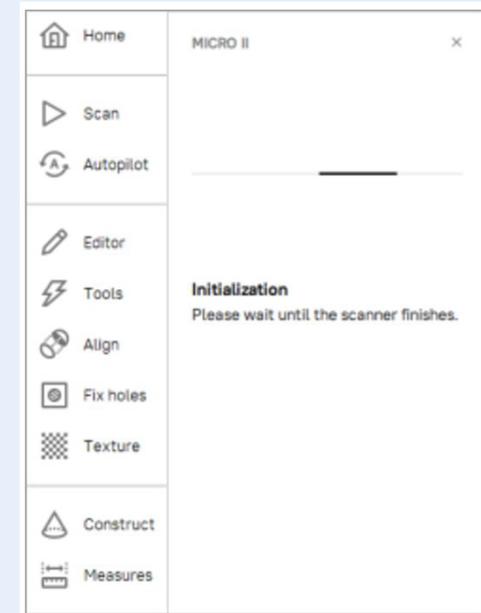
The Power Switch is located at the right side of the Micro II.



## Scanning with Micro II

Open Micro II Scan Panel

1. Launch Artec Studio.
2. Open Scan panel.
3. Click Scan with Artec Micro II and wait for Micro II to initialize.



Scan panel with Micro II initializing.

### Note

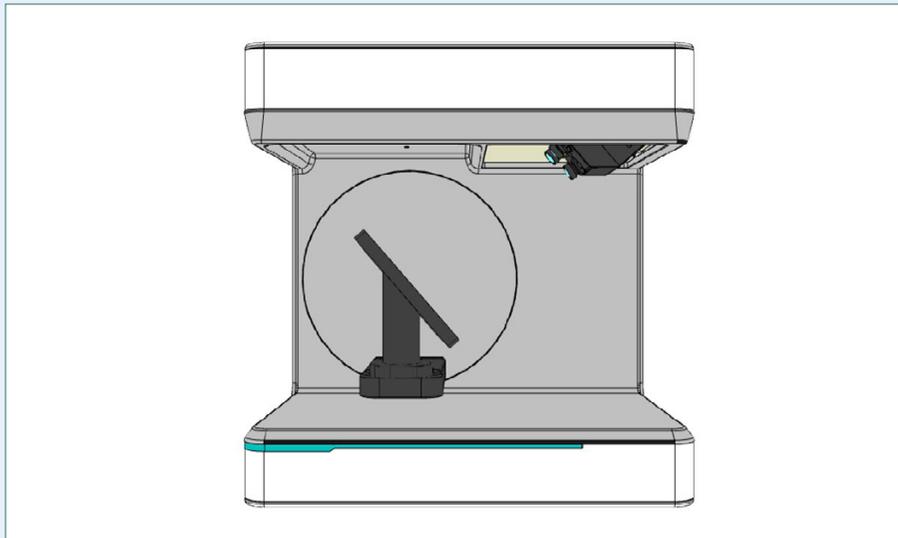
A checkerboard light pattern will appear on the scanning space, and the swivel bracket with the fixture starts rotating.

## Calibrate Scanner

When launching Micro II for the first time, you will need to calibrate your scanner.

To calibrate Micro II:

- Open Artec Studio.
- Install the calibration plate on the fixture as it is shown in the image below or in the Scan panel of Artec Studio.
- Once the calibration plate is fixed, select **Load the calibration dataset from a calibration plate** option.
- Click the **Calibrate** button. Calibration will automatically start.



When Artec Studio completes the calibration process, Micro II is ready for scanning.

## Preparing Objects

You can affix an object using either of the holders mentioned earlier. The maximum object dimensions are 200x200x150 mm.

Difficult-to-scan objects with black, transparent and reflective surfaces will be badly reconstructed during scanning. You can use anti-glare spray, but or talc powder. For the best distribution of powder particles, it is recommended to use Air Brush.

### Attention

To prevent damage to the cameras, refrain from spraying talc on the object while it is on the Micro II table. Instead, spray the object outside Micro II and then place it on the table afterward.

## Perform Scan

### Automatic Scanning

Micro II can create a path automatically by analyzing the affixed object and ensuring sufficient surface coverage with a minimum of frames.

### Note

To start Automatic path, your computer needs to have an Nvidia graphics card with at least 2 GB of memory and a CUDA compute capability of at least 3.5.

If your computer does not have this, please refer to the manual of the other scanning options that require less Computer power.

For detailed instructions, please refer to the manual or to the on-line manual: <https://docs.artec-group.com/microII/index.html>

- Adjust **Brightness** as necessary.
- Select the **Automatic** path from the **Scanning path** dropdown list.
- Wait for the scanner to finish capturing. It usually captures 80 frames.
- Examine the scan and if necessary, use the Add one frame button to fill in any hard-to-reach areas.
- **Flip the object** if necessary.
- Make sure that the created scan is selected in the Workspace.
- Select the **Auto-align new scans with those marked in Workspace** checkbox and start Automatic scanning again.

Have fun scanning with  
**ARTEC MICRO II!**



## 4C Creative Cad Cam Consultants

4C Creative CAD CAM Consultants is a company specialized in 3D technologies and is located in Emmen, Drenthe. 4C is your partner for delivering professional hardware and software for 3D scanning, reverse engineering, AR & VR and quality control.

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For more information, FAQ, updates, documents and videos about Artec Micro II go to [4cccc.nl/kennisbank/artec-micro-2](https://4cccc.nl/kennisbank/artec-micro-2)



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