

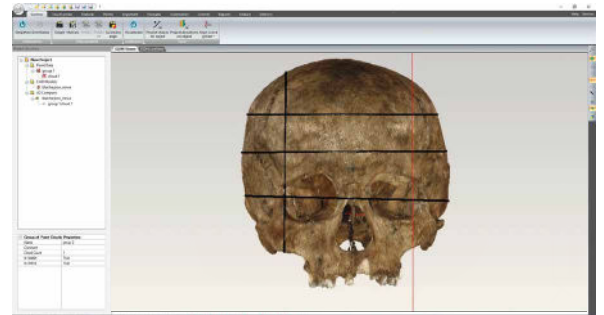
3D SCANNERS FOR DIGITALIZATION WITH REALISTIC COLOUR Create digital twin in color

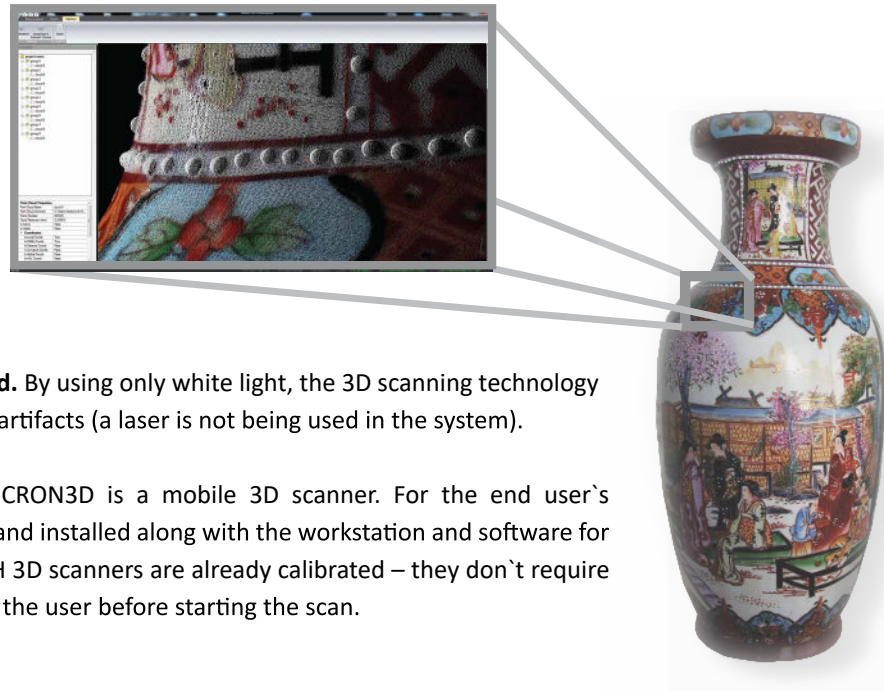


MICRON3D color stereo is a 3D scanner created to precisely digitalize colorful objects. This unique touchless measuring system is a perfect tool for creating a Digital Twin of real objects both for archiving valuable artifacts and creating virtual prototypes in any industry.

The highest resolution available on the market allows for imaging objects with the highest level of detail, which makes it a perfect tool for digitization of objects such as: pottery with ornaments. The newest technology allows for registering all small details like canvas damages or microfractures. Sensitive detectors of the scanner ensure that both dark and shiny objects can be scanned. Integration with a shadeless lighting system provides high-quality, accurate color data.

MICRON3D color stereo is equipped with an adjustable tripod transport case, and SMARTTECH3Dmeasure software. Measuring automatization and processing functions guarantee the high quality of shape and color information. Thanks to the temperature-resistant, carbon-fiber casing, and replaceable dustproof filters, it can be used also during excavations.





Non-invasive technology guaranteed. By using only white light, the 3D scanning technology guarantees safety for the measured artifacts (a laser is not being used in the system).

Convenience and ease of use. MICRON3D is a mobile 3D scanner. For the end user's convenience, each scanner is delivered and installed along with the workstation and software for measuring data processing. SMARTTECH 3D scanners are already calibrated – they don't require any additional calibration performed by the user before starting the scan.

Specialization of the scanner for the needs of museum measurements. Over 20 years-long experience in 3D scanners production and cooperation with museums helped us to introduce additional improvements and equipment specialized for the

REFERENCES. Thanks to the compliance with strict safety standards for the artifacts and generating models that meet the requirements of digital eternal documentation, MICRON3D color stereo systems have been introduced in the Polish and foreign cultural institutions and museums. We have gained the trust of:

Technical specification

Resolution	6-6 MP			
Scanning Technology	Structural white LED light			
Measuring field* [mm ²]	200x133	300x200	400x266	600x400
Measuring depth* [mm]	60	120	180	240
Sampling * [pts/mm ²]	230	100	60	25
Accuracy[μm]	21	30	43	63

Resolution	12-12 MP			
Scanning Technology	Structural white LED light			
Measuring field* [mm ²]	200x150	300x225	400x300	600x455
Measuring depth* [mm]	60	120	180	240
Sampling * [pts/mm ²]	402	178	100	45
Accuracy[μm]	21	30	43	63

Resolution	20-20 MP			
Scanning Technology	Structural white LED light			
Measuring field* [mm ²]	200x135	300x200	400x260	600x400
Measuring depth* [mm]	60	120	180	240
Sampling * [pts/mm ²]	755	335	189	84
Accuracy[μm]	21	30	43	63

* +/- 10% value

Additional accessories:



Easy & fast change of measurement volume with exchangeable lenses



Automated rotary stages:

- max load 15kg, 200mm diameter
- max load 80kg, 500mm diameter
- max load 300kg, 500mm diameter