

eviXscan 3D FinePrecision



Precision 3D scanning in the smallest detail

Quality control at the highest level

The **FinePrecision 3D** scanner is designed as a measuring device for precision mechanics, especially in areas such as the production of microcentrators, small injection elements, precise numerically machined components or used in 3D printing.

FinePrecision is also ideal for scanning implants, prosthetics, watchmaking and jewellery. The precision of the scanner also allows you to use it to optimize the 3D printing process.

The combination of high-speed cameras and the next generation of DLP light projection system, whose signal triggers the cameras every time a new pattern is displayed, allows you to limit the scan acquisition time to several hundred milliseconds.

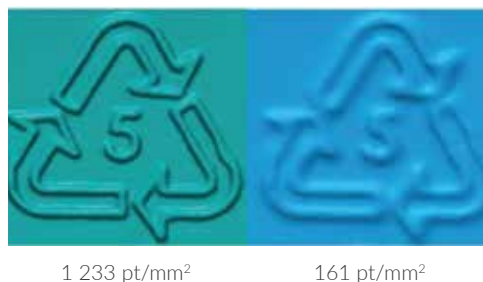
Scanner eviXscan 3D FinePrecision

Key features

- high accuracy of scans ($<6 \mu\text{m}$) and repeatability ($3 \mu\text{m}$)
- above-average detail of the scans obtained, thanks to the high density of collected points
- short data acquisition time ($<1 \text{ s}$)

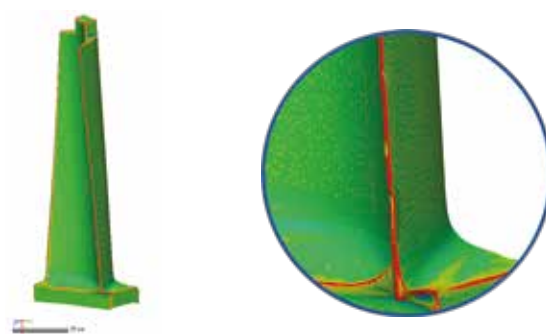
The small scanning area in combination with the high-resolution cameras allow for the creation of a scanner with an unsurpassed resolution of $28 \mu\text{m}$ ($>1200 \text{ points/mm}^2$).

Comparison of scans
with different mesh densities



Technical specifications

Range of measurements	120 x 60 x 45 mm	Software	eviXscan 3D Suite
Mesh density	1 233 pt/mm ²	Output formats	stl, ply, obi, asc, bin
Accuracy	$<0,006 \text{ mm}$	Operating system	Windows 10 (64 - bitowy)
Scan time	1 sekunda	Computer connection	USB 3.0
Kind of light	Blue LED	Hardware requirements	CPU i7, 32 GB RAM, dysk SSD NVMe 480GB, Graphics Card nVidia GTX 970 or higher
Number and type of cameras	2 x 8,9 Mpix		



These parameters allow the analysis of surface microdamages, dents occurring during the operation of machines and devices, as well as errors in the production process.

A rich set of accessories



The standard set includes the eviXscan 3D Suite 2.7 software, a 20 kg rotary table, frames with markers to assist in folding scans, a tripod, A5 calibration table, a transport box.