

# 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.

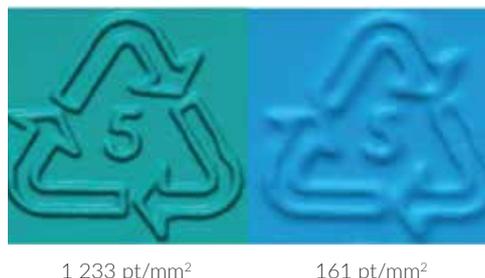
# Scanner eviXscan 3D FinePrecision

## Key features

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

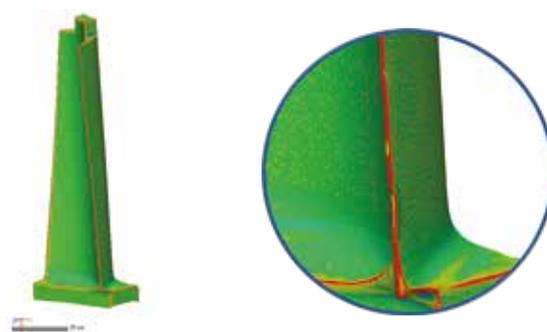
The small scanning area in combination with the high-resolution cameras allow for the creation of a scanner with an unsurpassed resolution of <math>28 \mu\text{m}</math> (>1200 points/mm<sup>2</sup>).

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 <sup>2</sup>      | Output formats        | stl, ply, obi, asc, bin  |
| Accuracy                   | <math>0,006 \text{ mm}</math> | 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.