

## EVIXSCAN 3D technical specification

	Heavy Duty Quadro	Heavy Duty Optima	Heavy Duty Basic	Dentica	Zoom
<b>Light-source</b>	R/G/B LED	Blue LED	Blue LED	R/G/B LED	R/G/B LED
<b>Cameras</b>	4 x 5 Mpix	2 x 5 Mpix	2 x 1.3 Mpix	1.3 Mpix	1.3 Mpix
<b>Accuracy</b>	*up to 0.013 mm	*up to 0.0183 mm	*up to 0.02 mm	0.01 mm	0.01 mm
<b>Scanning time</b>	5 seconds	5 seconds	5 seconds	3 seconds	3 seconds
<b>Measuring ranges</b>	370 x 265 x 150 mm 150 x 115 x 90 mm	250 x 170 x 120 mm	260 x 210 x 150 mm	100x80x80 mm	100x80x80 mm
<b>Points density</b>	41 pt/mm <sup>2</sup> 232 pt/mm <sup>2</sup>	95 pt/mm <sup>2</sup>	24 pt/mm <sup>2</sup>	156 pt/mm <sup>2</sup>	156 pt/mm <sup>2</sup>
<b>Software</b>	eviXscan Suite	eviXscan Suite	eviXscan Suite	Dentica Suite + DentalCAD	Zoom Suite + Leios for Makers
<b>Export formats</b>	stl, ply, obj, asc, bin	stl, ply, obj, asc, bin	stl, ply, obj, asc, bin	stl, ply, obj, asc	stl, ply, obj, asc
<b>Computer requirements</b>	Windows 7 (64-bit) 16 GB RAM, CPU i5	Windows 7 (64-bit) 16 GB RAM, CPU i5	Windows 7 (64-bit) 4 GB RAM, CPU i5	Computer included	Computer included
<b>Computer connection</b>	1 x USB 3.0 and HDMI	1 x USB 3.0 and HDMI	2 x USB 2.0 and HDMI		

\* Accuracy determined with the use of the standard DE VDI / VDE 2634, Part 2, 4.1 Ps

## EVIXSCAN 3D software

### eviXscan Suite

eviXscan software is our proprietary software that allows you to control the scanner:

- > configuration
- > calibration
- > acquisition of the scans
- > transformation of the scans into the one coordinate system
- > support of the scanning process with the rotate table or with the markers
- > cooperation with the photogrammetric system (Toolkit Box)
- > export of the scans into the most popular file extension: STL, PLY, OBJ, ASCII
- > direct export of the scans into Geomagic® Design X™ and Geomagic® Control X™ software

### DentalCAD

Software for dental laboratory dedicated the design and modeling. Based on a proprietary technology customizable and easy to use.

### Leios for Makers

Simple and reliable software for processing 3D scans, mesh editing and reverse engineering. Leios provides an easy, fast, powerful and convenient way to go from 3D scanner to CAD, facilitating the development of 3D scans and editing of triangular meshes.

designed by



evatronix

### Evatronix SA

Wiktora Przybyło 2, 43-300 Bielsko-Biała, Poland

+48 33 499 59 00 · office@evatronix.com  
www.evatronix.com

### eviXscan 3D

+48 33 499 59 11 · scanners3d@evatronix.com  
www.evixscan3d.com



European Union  
European Regional  
Development Fund



3D scanners

EVIXSCAN 3D



## EVIXSCAN 3D Heavy Duty Quadro

Cameras: **4 x 5 megapixel**  
 Accuracy: **0.013 mm**  
 Light-source: R/G/B LED  
**2 measuring ranges**  
 ToolKit Box support  
 Set includes:  
*eviXscan Suite*, tripod, calibration plate, transport hardcase  
 Internal construction made of carbon fiber  
 Laser trackers  
 IP 62

### Versatile 3D scanning in harsh environment

Aluminium body and carbon fiber beam on **Heavy Duty Quadro** guarantees precise measurements in harsh environment. Two ranges enable to scan objects of different dimensions: from a few centimeters to several meters.

**Useful for:** contactless quality inspection, reverse engineering and rapid prototyping.



## EVIXSCAN 3D Heavy Duty Basic

Cameras: **2 x 1.3 megapixel**  
 Accuracy: **0.02 mm**  
 Light-source: Blue LED  
 Set includes:  
*eviXscan Suite*, tripod, calibration plate, transport hardcase  
 Lightweight construction  
 IP 31

### Affordable entry into accurate 3D scanning

**Heavy Duty Basic** designed for rapid prototyping of simple mechanical parts and handcrafted digitalization. Most commonly works 3D printing companies, design offices and CNC workshops.

**Useful for:** scan-to-print, rapid prototyping, art & design.



## EVIXSCAN 3D Dentica

Cameras: 2 x 1.3 megapixel  
 Accuracy: **0.01 mm**  
 Light-source: R/G/B LED  
 Optics: auto-calibration  
 Plug&Play: PC integrated

### Perfect solution for dental labs and technicians

**eviXscan Dentica** is a dedicated solution for dental prosthetist.

The scanner is equipped with software for design of all kinds of dental models, see dies, find impressions and verticulator, ensuring accuracy and reliability.

## EVIXSCAN 3D Heavy Duty Optima



Cameras: **2 x 5 megapixel**  
 Accuracy: **0.0183 mm**  
 Light-source: Blue LED  
 Set includes:  
*eviXscan Suite*, tripod, calibration plate, transport hardcase  
 ToolKit Box support  
 IP 31

### High-precision 3D scanning of small and medium size objects

Heavy body construction enables scanning in variable environment. High point density is helpful for scanning of small, medium and detailed objects.

**Useful for:** contactless quality inspection, reverse engineering and rapid prototyping.

## EVIXSCAN 3D accessories



### Rotary table

**Typ 20**  
 ø 20 cm  
 bearing capacity up to 20 kg  
**Typ 60**  
 ø 60 cm  
 bearing capacity up to 200 kg  
**Typ 60**  
 ø 100 cm  
 bearing capacity up to 1000 kg



### Column stand

The base of the tripod is equipped with wheels which provide higher mobility. In addition, three axes allow to set the perfect working position. The counterweight also protects the scanner from accidental falling.



### Toolkit Box

- > standard markers & unique (coded) markers
- > unique artifacts
- > remote controller
  - > gloves

#### Toolkit Box enables:

- > faster scanning of complicated, large size objects thanks to application of different size markers & artifacts
- > fast data processing thanks to automatic adjustment of all scans in one coordinate system
- > remote calibration and operation of the measuring system with the use of the pilot
- > saving thanks to repeated use of artefacts

## EVIXSCAN 3D Zoom



Cameras: 2 x 1.3 megapixel  
 Accuracy: **0.01 mm**  
 Light-source: R/G/B LED  
 Optics: auto-calibration  
 Plug&Play: PC integrated

### 3D solution for precise scanning of jewellery and small objects

**eviXscan Zoom** is an extremely precise, simple, intuitive and high-performance 3D scanner. The high accuracy of Zoom and its technical features allow the perfect acquisition of objects such as buckles, heels, precious stones and small objects with reflective and complex surfaces, thanks to the particular geometrical arrangement of the optics.