

TECNIMETAL

3D scanners

TECNIMETAL



EVIXSCAN 3D

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Heavy Duty Quadro



Cameras: **4 x 5 Mpix**

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.

Heavy Duty Optima

Cameras: **2 x 5 Mpix**

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.

Heavy Duty Basic



Cameras: **2 x 1.3 Mpix**

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 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.

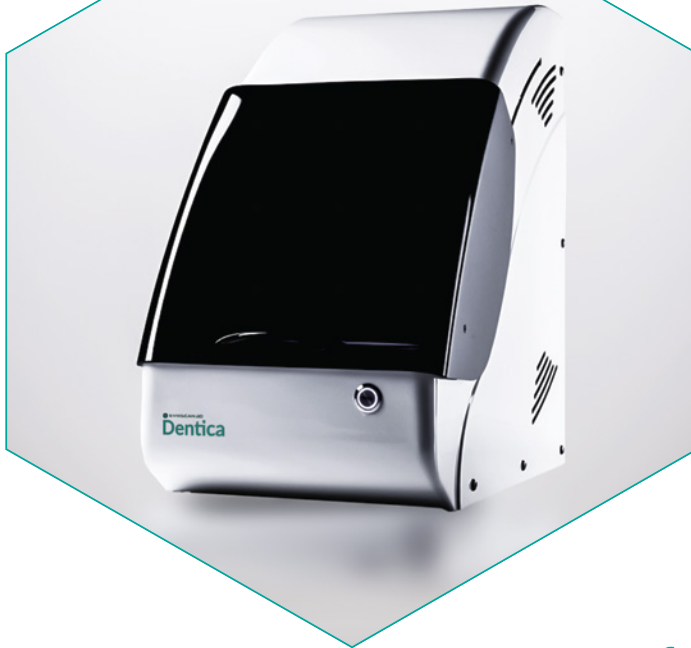
Toolkit Box



- 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



Cameras: **2 x 1.3 Mpix**
Accuracy: **0.015 mm**
Light-source: R/G/B LED
Optics: auto-calibration
Plug&Play: PC integrated

Perfect solution for dental labs and technicians

eviXscan 3D 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.

Cameras: **2 x 1.3 Mpix**
Accuracy: **0.015 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 3D 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.



	Heavy Duty Quadro	Heavy Duty Optima	Heavy Duty Basic	Dentica	Zoom
Light-source	R/G/B LED	Blue LED	Blue LED	R/G/B LED	R/G/B LED
Cameras	4 x 5 Mpix	2 x 5 Mpix	2 x 1.3 Mpix	2 x 1.3 Mpix	2 x 1.3 Mpix
Accuracy	*up to 0.013 mm	*up to 0.0183 mm	*up to 0.02 mm	0.015 mm	0.015 mm
Scanning time	5 seconds	5 seconds	5 seconds	3 seconds	3 seconds
Measuring ranges	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
Points density	41 pt/mm ² 232 pt/mm ²	95 pt/mm ²	24 pt/mm ²	156 pt/mm ²	156 pt/mm ²
Software	<i>eviXscan Suite</i>	<i>eviXscan Suite</i>	<i>eviXscan Suite</i>	<i>Dentica Suite + DentalCAD</i>	<i>Zoom Suite + Leios for Makers</i>
Export formats	stl, ply, obj, asc, bin	stl, ply, obj, asc, bin	stl, ply, obj, asc, bin	stl, ply, obj, asc	stl, ply, obj, asc
Computer requirements	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
Computer connection	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

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.

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designed by
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