



## eviXmatic

Automatic Scanning  
and Measurement System



## What is the new eviXmatic?

Designed, engineered by Evatronix, the eviXmatic\* is an automated four-axis scanning and measuring system offering a possibility to fully automatize generation of quality inspection reports.

**eviXmatic** is conceived for application in areas of precise repetitive measuring and quality inspection tasks, and as such can be integrated in the automated or robotized production lines.

eviXmatic is a docking station for the eviXscan 3D scanners, which perform full-field, non-contact object measurements with high accuracy. The eviXmatic's scanner can be also used independently as a stand-alone scanning system.

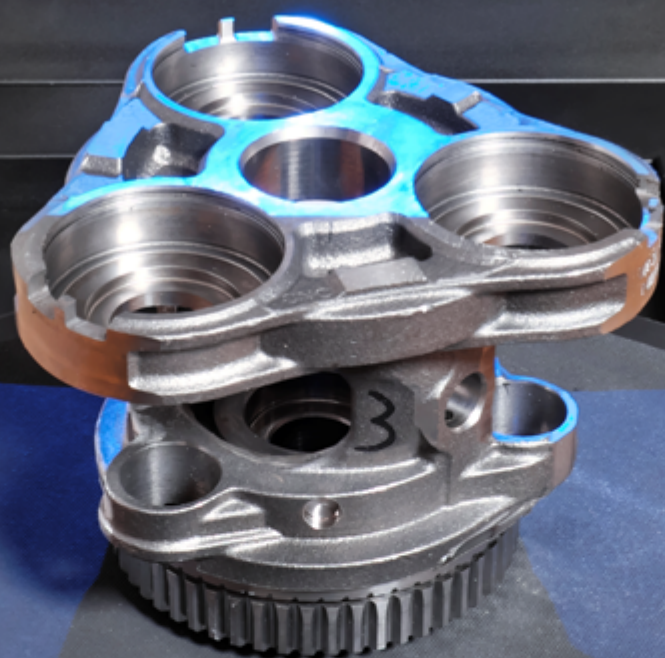


## Advantages of the new eviXmatic

- Autocalibration
- Automatic scanning procedure
- Routine programming
- Ability to define measurement sequences
- Scanning of objects without fixing them to the rotary table
- Integration with Geomagic Control X for fully automatic generation of quality inspection reports
- Possible simultaneous scanning of several small objects in a single scanning run



 EVIXSCAN 3D



## Technical Data

Maximum dimensions of scanned object	250 × 650 × 250 mm
Maximum allowable load for object placed in the axis of rotary table	30 kg
Maximum allowable load for object not placed in the axis of rotary table (e.g. closer to the table edges)	10 kg
Number of axes	4
Object displacement	rotary table: 360° rotation
	horizontal: 700 mm linear movement
3D Scanner displacement	vertical: 800 mm linear movement
	pivot: -10° ÷ 85°
Motor type	stepper motors
Device dimensions	length: 1,443 m
	width: 0,515 m
	height: 1,234 m
Device weight	51 kg
Rotary table diameter	0,45 m
Power	eviXmatic: 230 V AC, 200 W
	HD Quadro scanner: 230 V AC, 90 W
	HD Optima scanner: 230 V AC, 36 W



## Scanning characteristics

	HD Optima scanner	HD Quadro scanner
<b>Light-source</b>	Blue LED	R/G/B LED
<b>Cameras</b>	2 × 5 Mpix	4 × 5 Mpix
<b>Accuracy</b>	*up to 0.0183 mm	*up to 0.013 mm
<b>Measuring range</b>	250 × 170 × 120 mm	370 × 265 × 150 mm / 210 × 145 × 90 mm
<b>Point density</b>	116 pt/mm <sup>2</sup>	50 pt/mm <sup>2</sup> / 161 pt/mm <sup>2</sup>
<b>Software</b>	eviXscan 3D Suite	eviXscan 3D Suite
<b>Export formats</b>	stl, ply, obj, asc, bin	stl, ply, obj, asc, bin
<b>Connection type</b>	USB 3.0 + HDMI	USB 3.0 + HDMI

\*Accuracy determined with the use of the standard DE VDI / VDE 2634, Part 2, 4,1 Ps







**Evatronix SA**

Wiktora Przybyły 2, 43-300 Bielsko-Biala, Poland

+48 33 499 59 00 · [office@evatronix.com](mailto:office@evatronix.com)  
[www.evatronix.com](http://www.evatronix.com)

**eviXscan 3D**

+48 33 499 59 11 · [scanners3d@evatronix.com](mailto:scanners3d@evatronix.com)  
[www.evixscan3d.com](http://www.evixscan3d.com)



**European  
Funds**  
Smart Growth



**European Union**  
European Regional  
Development Fund