scanning accuracy up to **0.02 mm**

EVIXSCAN 3D

EVIXSCAN 3D

Heavy Duty Basic

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.

- Cameras: 2 x 1.3 megapixel
- Accuracy: **0.02 mm**
- Light-source: **Blue LED**
- Lightweight construction
- IP 31

- Set includes:
  eviXscan Suite, tripod, calibration plate, transport hardcase

designed by evatronix

Evatronix SA
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EVIXSCAN 3D

We're ready to solve
most common and time consuming
engineering problems, like a recreating
the technical documentaction (CAD models)
of existing mechanical parts (reverse engineering)

EVIXSCAN 3D

Heavy Duty Basic

Light-source	Blue LED
Cameras	2 x 1.3 Mpix
Accuracy	*up to 0.02 mm
Scanning time	5 seconds
Measuring ranges	310 x 250 x 150 mm
Points density	17 pt/mm²
Software	eviXscan Suite
Export formats	stl, ply, obj, asc, bin
Computer requirements	Windows 7 (64-bit), 4 GB RAM, CPU i5
Computer connection	2 x USB 2.0 and HDMI

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

3D SYSTEMS Authorized Partner

We are an authorized 3D Systems partner
eviXscan software is integrated
with Geomagic® Design^{XTM} and Geomagic® Control^{XTM}

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scanning accuracy up to **0.0183 mm**

EVIXSCAN 3D

EVIXSCAN 3D

Heavy Duty Optima

High-precison 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.

- Cameras: 2 x 5 megapixel
- Accuracy: **0.0183 mm**
- Light-source: **Blue LED**
- ToolKit Box support
- IP 31

- Set includes:
  eviXscan Suite, tripod, calibration plate, transport hardcase

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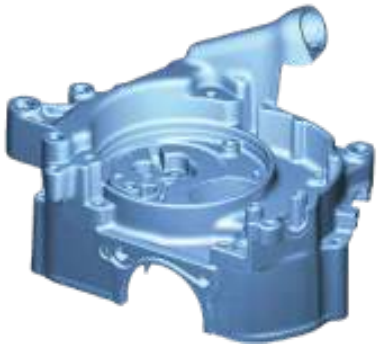
EVIXSCAN 3D

We're ready to solve
most common and time consuming
engineering problems, like a measurement of
objects with areas hard to access: freeforms,
pockets, threadedholes, numerous ribs,
angles... for quality control



We made this gearbox housing STL model in just 45 minutes

EVIXSCAN 3D

Heavy Duty Optima

Light-source	Blue LED
Cameras	2 x 5 Mpix
Accuracy	*up to 0.0183 mm
Scanning time	5 seconds
Measuring ranges	250 x 170 x 120 mm
Points density	116 pt/mm2
Software	eviXscan 3D Suite
Export formats	stl, ply, obj, asc, bin
Computer requirements	Windows 7 (64-bit), 16 GB RAM, CPU i5
Computer connection	USB 3.0 and HDMI

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

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scanning accuracy up to **0.013 mm**

EVIXSCAN 3D

EVIXSCAN 3D

Heavy Duty Quadro

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.

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

designed by evatronix

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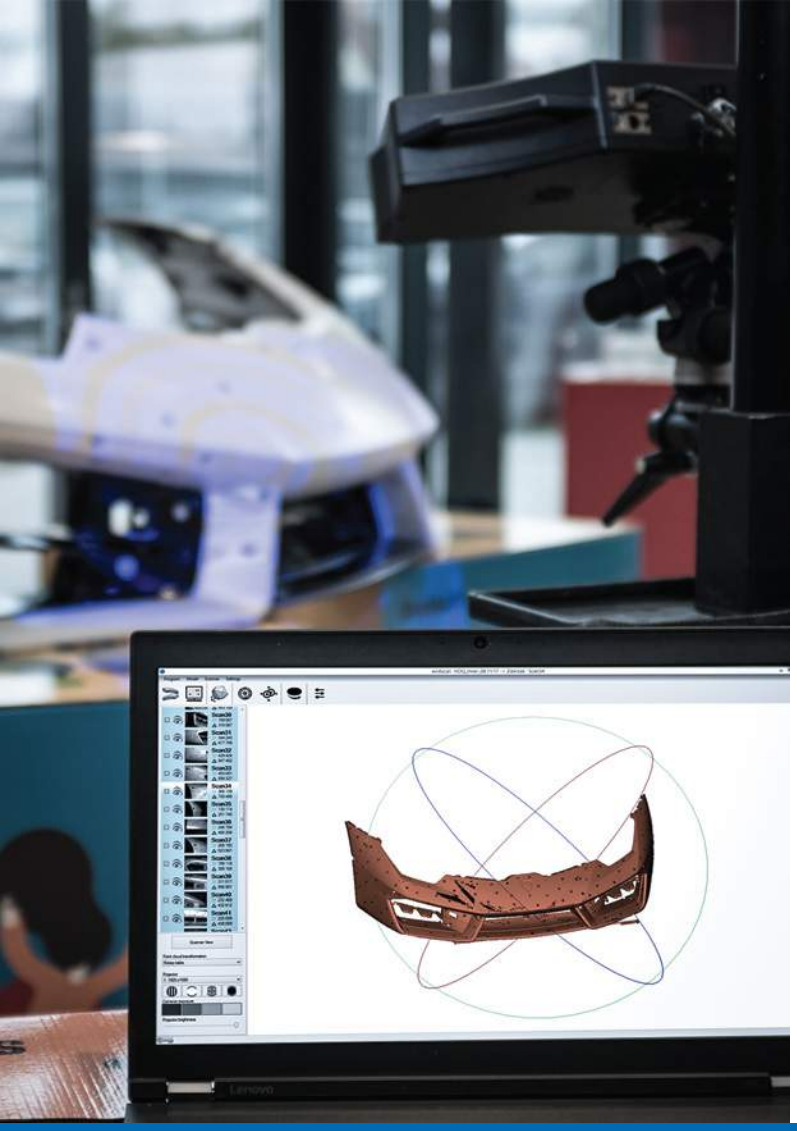
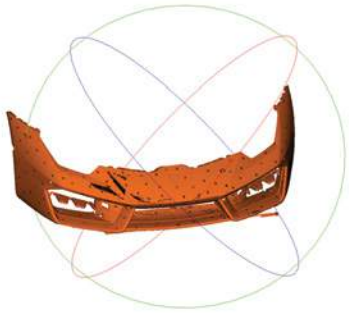


EVIXSCAN 3D

Shapers Advanced Design Studio uses
Heavy Duty Quadro for acceleration supercars redesign process



EVIXSCAN 3D

Heavy Duty Quadro

Light-source	R/G/B LED
Cameras	4 x 5 Mpix
Accuracy	*up to 0.013 mm
Scanning time	5 seconds
Measuring ranges	370 x 265 x 150 mm / 210 x 145 x 90 mm
Points density	50 pt/mm2 / 161 pt/mm2
Software	eviXscan 3D Suite
Export formats	stl, ply, obj, asc, bin
Computer requirements	Windows 7 (64-bit), 16 GB RAM, CPU i5
Computer connection	USB 3.0 and HDMI

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

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EVIXSCAN 3D

eviXmatic

Automatic Scanning
and Measuring System

What is eviXmatic?

Designed and engineered by Evatronix **eviXmatic*** is an automated four-axis 3D scanning system that enables measuring and quality inspection of variable parts with minimal operator's involvement.

eviXmatic is conceived for repetitive, fast, precise measuring and quality inspection tasks and as such is a valuable addition to any production line where objects of complex shapes are manufactured.

eviXmatic may be seen as a docking station for the eviXscan 3D scanners, which perform full-field, non-contact object measurements with high accuracy. Scans obtained may be compared against a reference CAD model by means of Geomagic Control X server.

The scanner integrated in the **eviXmatic** system can be detached and used independently in other place when necessary.

Advantages of eviXmatic

- Autocalibration
- Automatic scanning procedure
- 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

*Patent pending: P. 429397


EVIXSCAN 3D

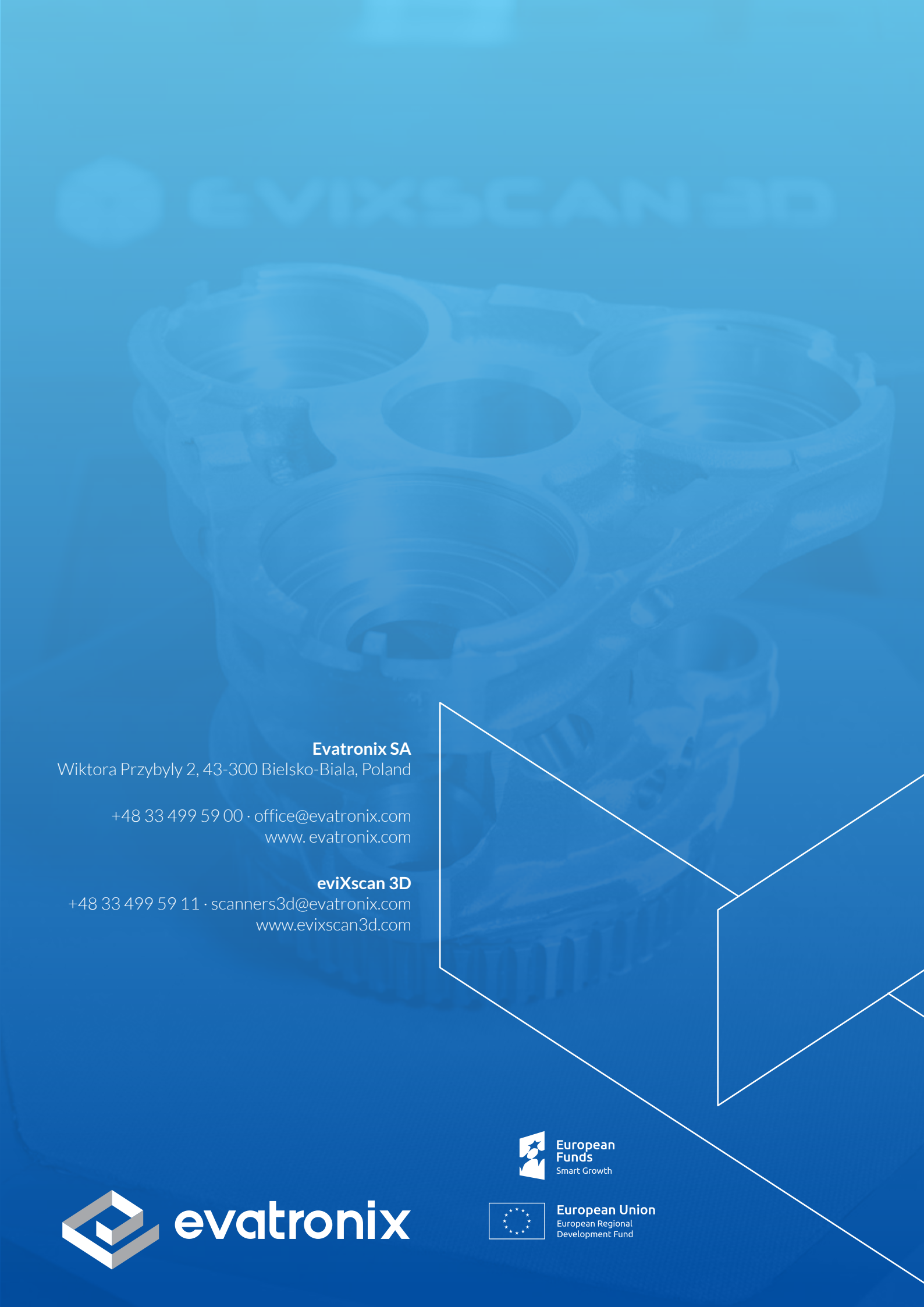
Technical Data

Maximum dimensions of scanned object	250 × 650 × 250 mm
Maximum allowable load for object aligned with the axis of rotary table	30 kg
Maximum allowable load for object not aligned with the axis of rotary table (e.g. closer to the table edges)	10 kg
Number of motorized axes	4
Maximum object displacement	rotary table: 360° rotation
	horizontal: 700 mm linear movement
Maximum 3D scanner displacement	vertical: 800 mm linear movement
	tilt: -10° ÷ 85°
Drive type	stepper motors
Device dimensions	length: 1443 mm
	width: 515 mm
	height: 1234 mm
Device weight	51 kg
Rotary table diameter	450 mm
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
Light-source	Blue LED	R/G/B LED
Cameras	2 × 5 Mpix	4 × 5 Mpix
Accuracy*	up to 0.0183 mm	up to 0.0130 mm
Measuring range	250 × 170 × 120 mm	wide range: 370 × 265 × 150 mm fine range: 210 × 145 × 90 mm
Point density	116 pt/mm^2	wide range: 50 pt/mm^2 fine range: 161 pt/mm^2
Software	eviXscan 3D Suite 2.0 or later	eviXscan 3D Suite 2.0 or later
Export formats	stl, ply, obj, asc, bin	stl, ply, obj, asc, bin
Interfaces	HDMI, USB 3.0	HDMI, USB 3.0

*Value of parameter Ps measured according to the standard VDI / VDE 2634, Part 2, 4.1



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