



ZEISS

ZEISS 3D SCANNERS Accelerated Digitalization

Quickly capture a **precise high-resolution digital twin** of your part, tooling, and assemblies. ZEISS 3D scanners provide an accurate and comprehensive view, enabling you to **resolve issues faster**. Various products are available, including portable, lab, shop floor, and production-ready solutions.

See more. Know more. Deliver confidently.

zeiss.com/metrology

ZEISS 3D SCANNERS – Accelerated Digitalization

Learn more about our technologies



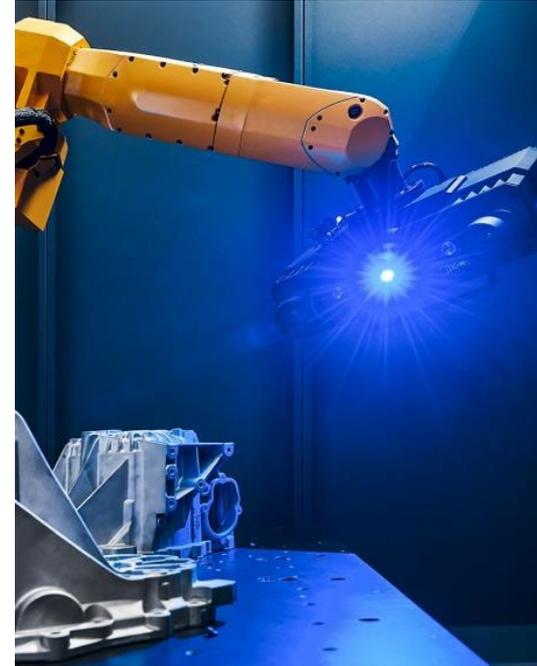
Handheld 3D Laser Scanner

Fast and intuitive operation, enabling precise and reliable inspections of complex surfaces of medium to large parts.



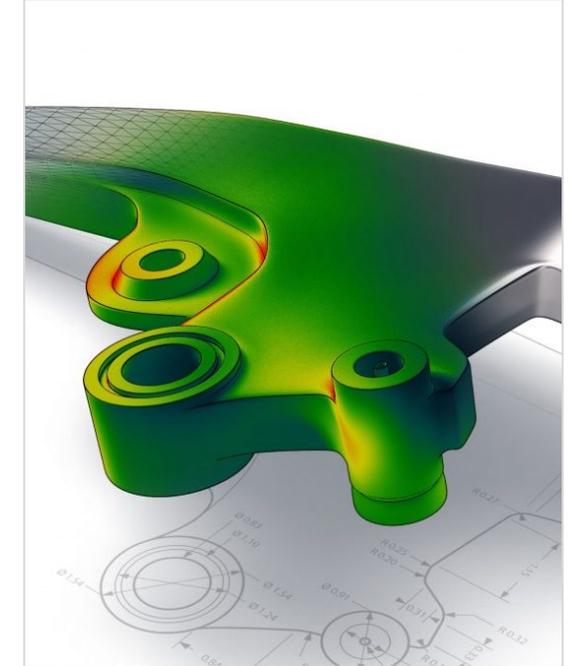
Blue Light 3D Scanners

Precision and accuracy at fast speeds, enabling quick and thorough dimensional inspections of the entire surface geometry.



Automated Solutions

Increase throughput, repeatability, and productivity with automated 3D scanning and comprehensive dimensional inspection.



3D Metrology Software

ZEISS INSPECT optical 3D is an easy-to-use software for complete dimensional inspection and reporting.

Overview - ZEISS Handheld 3D Laser Scanner

Handheld precision, developed and produced by ZEISS



MOST POPULAR

T-SCAN hawk 2

High-speed scanning	Included (multiple blue laser crosses)
Deep pockets	Included (single blue laser line)
Flexible depth of field	Included (on-object distance radar)
One-shot sensor calibration	Included (Hyperscale)
Volumetric accuracy	0.02 mm + 0.015 mm/m Acceptance Test ISO 10360
Weight	< 1kg
Software	ZEISS INSPECT optical 3D
Price Range	■ ■ ■ ■ ■



ZEISS #HandsOnMetrology

Delivered with three DAkkS-calibrated, traceable length standards and one DAkkS-calibrated, traceable coordinate standard which are used for system qualification.

- Applications:**
- Design
 - Reverse engineering
 - Quality Control
 - Maintenance



Overview - ZEISS Blue Light 3D Scanners



From entry-level to enterprise, we have the accuracy to address your needs.



	ATOS 5 family	ATOS Q	ATOS LRX	ATOS Compact Scan	GOM Scan 1
Structured light technology	Blue LED Blue Laser	Blue LED	Blue Laser	Blue LED	Blue LED
Measuring part size	Small to Large	Small to Medium	Large to Extra Large	Extra Small to Large	Small to Medium
Measuring volume(s)	Interchangeable (170 mm to 1,000 mm)	Interchangeable (100 mm to 500 mm)	Fixed (2,000 mm)	Interchangeable (45 mm to 1,200 mm)	Fixed (100 mm to 400 mm)
Accuracy from	Depends on the measuring volume size, your part, and application. ATOS can achieve single digit micron accuracy with smaller measuring volumes. All measuring volumes are VDI/VDE part certified.				
Camera resolution (points per scan)	8 or 12 million	8 or 12 million	12 million	8 or 12 million	6 million
Software	ZEISS INSPECT optical 3D	ZEISS INSPECT optical 3D	ZEISS INSPECT optical 3D	ZEISS INSPECT optical 3D	ZEISS INSPECT optical 3D
Automation capability	Rotary Stage / ScanBox	Rotary Stage / ScanPort Arm / ScanCobot / ScanBox	N/A	Rotary Stage	Rotary Stage / ScanPort Arm
Additional features	Back Projection, Touch Probe	Back Projection, Touch Probe	N/A	Touch Probe	N/A
Price Range	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■

Overview - ZEISS Automated 3D Scanners

Eliminate bottlenecks. Increase accuracy, repeatability, and productivity



	ZEISS SCANCOBOT	ZEISS ScanBox 4 Series	ZEISS ScanBox 5 Series	ZEISS ScanBox 6 Series	ZEISS ScanBox 7 Series	ZEISS ScanBox 8 Series
Dimensions	975 x 775 mm	1700 x 1200 x 2420 mm or Modular option	Modular	4500 x 4500 x 3250 mm or 7665 x 4500 x 3250 mm	4750 x 10150 x 3900 mm or 8750 x 10150 x 3900 mm	5750 x 10150 x 3900 mm or 9750 x 10150 x 3900 mm or 13750 x 10150 x 3900 mm
Power supply	Standard, 100 - 240 V (1-phase, 16 A)	Standard, 100 – 240 V (1-phase, 16 A)	200–500 V (3-phase, 16 A)	200-500 V (3-phase, 32A)	200-500 V (3-phase, 32A)	2x 200-500 V (3-phase, 32A)
Max part size	Ø 500 mm	Ø 500 mm	Ø 1000 mm to Ø 3000*	Ø 3500 mm	6000 x 2500 mm, rotation table working area Ø 3000 mm (SB 7260)	6000 x 2500 mm, rotation table working area up to Ø 3000 mm (SB 8260/SB 8360)
Max part weight	50 kg	100 kg	2000 kg	5000 kg	Unlimited, rotation table working area up to 2000 kg (SB 7260)	Unlimited, rotation table working area up to 5000 kg
Sensor capability	ATOS Q	ATOS Q	ATOS 5	ATOS 5	ATOS 5	ATOS 5
Software	ZEISS INSPECT Optical 3D with VMR	ZEISS INSPECT Optical 3D with VMR	ZEISS INSPECT Optical 3D with VMR	ZEISS INSPECT Optical 3D with VMR	ZEISS INSPECT Optical 3D with VMR	ZEISS INSPECT Optical 3D with VMR
Price Range	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■

ZEISS ScanBox also offers configurations for inline production applications.

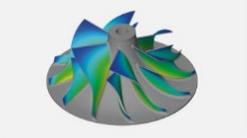
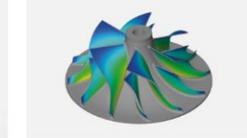
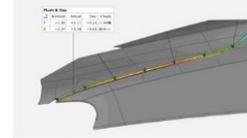
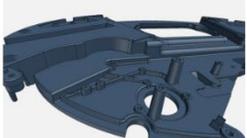
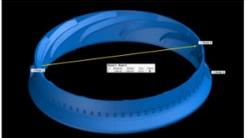
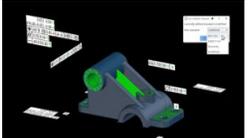
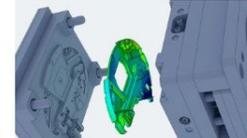
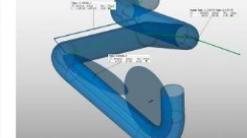
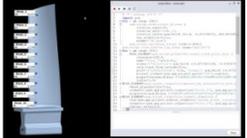
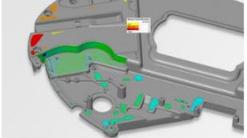
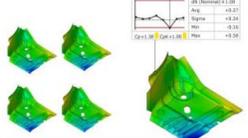
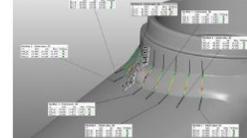
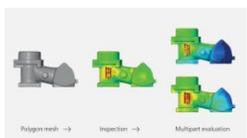
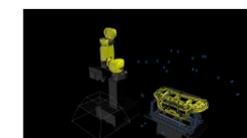
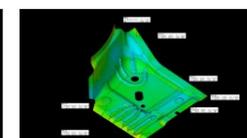
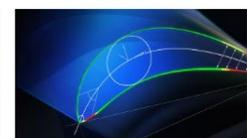
* Depends on modular setup

<https://www.zeiss.com/metrology/us/systems/optical-3d/automated-solutions/scanbox.html>

ZEISS INSPECT optical 3D

Tons of features and over 100 free apps!



 <p>Free Pro Basic CAD import</p>	 <p>Free Pro Alignments</p>	 <p>Free Pro Basic GD&T</p>	 <p>Free Pro Mesh editing</p>	 <p>Free Pro Alignments</p>	 <p>Free Pro Basic GD&T</p>	 <p>Free Pro Mesh editing</p>	 <p>Free Pro Curve inspection</p>	 <p>Free Pro Basic reporting</p>
 <p>Pro Native CAD formats and PMI</p>	 <p>Pro Parametric evaluations</p>	 <p>Pro GD&T expert filter</p>	 <p>Pro Workflow Assistant</p>	 <p>Pro Integrated reporting</p>	 <p>Pro Digital assembly</p>	 <p>App Pro INSPECT PiWeb Reporting Plus</p>	 <p>App Pro De-Warp</p>	 <p>App Pro Tube Check</p>
 <p>Pro Python interface</p>	 <p>Pro Defect detection</p>	 <p>Pro Trend analysis</p>	 <p>Pro Sensor Fusion</p>	 <p>Pro Photo-realistic rendering</p>	 <p>Pro Software-based movement compensation</p>	 <p>App Pro Weld Check</p>	 <p>App Pro Dent Check</p>	 <p>App Pro Autosurfacing</p>
 <p>Pro Project templates</p>	 <p>Pro Kiosk interface - automated data acquisition</p>	 <p>Pro User-defined inspection principles (UDIP)</p>	 <p>App Pro Virtual measuring room (VMR)</p>	 <p>App Pro Virtual Clamping</p>	 <p>App Pro Airfoil Inspection</p>	 <p>ZEISS CALIGO</p>	 <p>ZEISS REVERSE ENGINEERING</p>	

Quality you can trust.

Request a demo today!



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