ZEISS ScanCobot

Flexible.
Efficient.
Automated.

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Intuitive 7-axis automation

Made to collaborate

ZEISS ScanCobot makes collaboration easy. It is a complete mobile measuring station, equipped with an automated measuring arm and a motorized rotation table. Powered by the ZEISS INSPECT software, it easily inspects small to medium-sized parts from 7 axis without any operator interference.

Plug & play

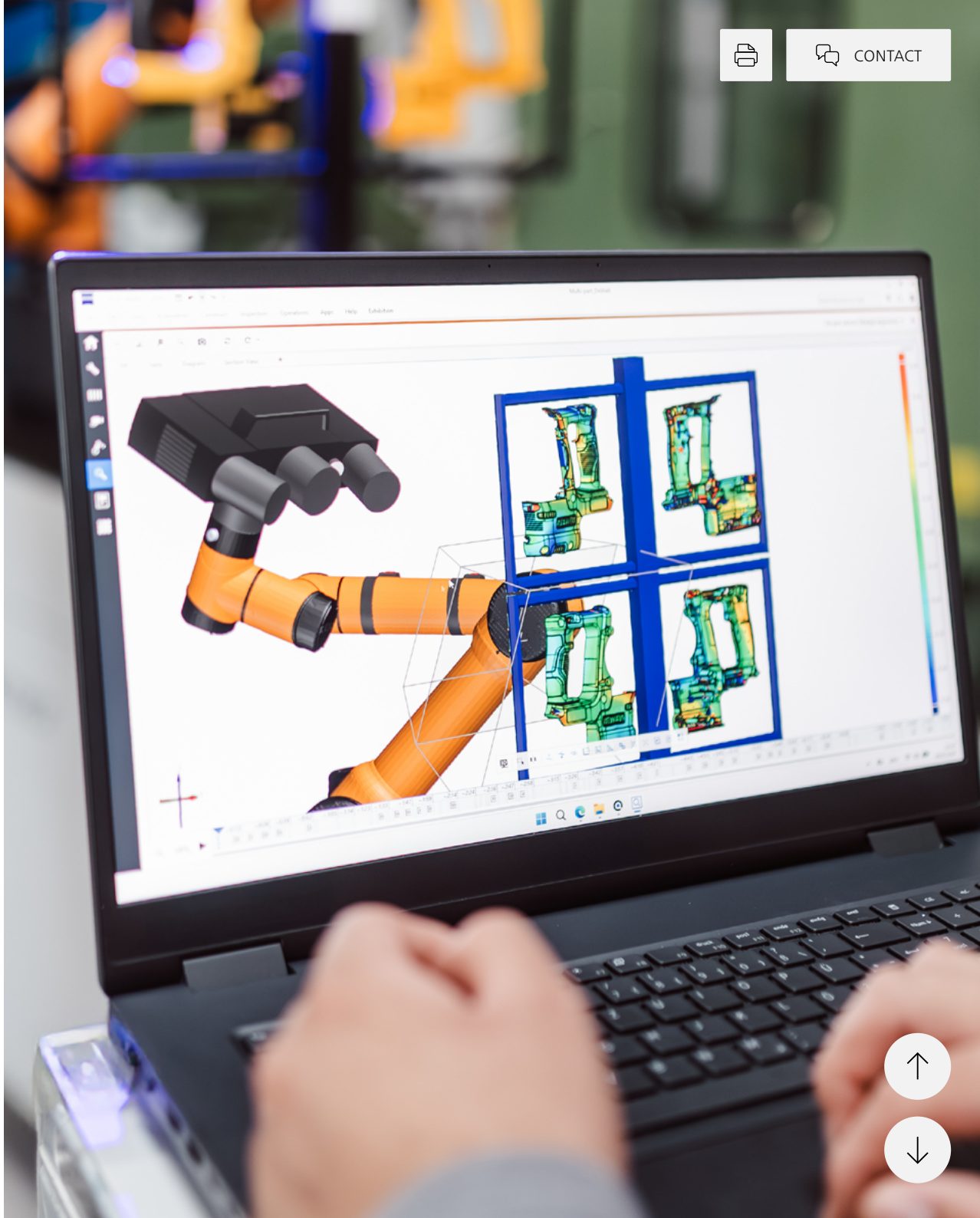
Expect maximum flexibility with the plug and play concept. The ergonomic workspace is equipped with wheels and enables inspection wherever needed. Just move ZEISS ScanCobot to the desired spot, plug it in and start inspection.

Single setup

Looking for a fast way to achieve full part coverage? With a quick, simple setup and the automated measuring arm, data is collected from all sides of the part - no need to turn it around

Guided part programming

ZEISS INSPECT software guides you through every step of part programming. Before any measurement is executed, the software automatically simulates all robot movements to ensure a completely collision-free process. Once the system has safely generated and verified the optimal measurement path, the entire measurement series runs fully automatically.



Efficient series measurements

If high throughput is the goal, ZEISS ScanCobot is the way to go. Thanks to the automated measuring arm and the intuitive part programming, series measurement is set up in no time.

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Complex tasks made easy

Small footprint, large impact

Despite its small footprint, this solution offers a large measurement volume for the inspection of various part sizes and weights. The small installation area allows to keep operating costs at a minimum.

Autonomous scanning

Avoid faulty measurements by reducing the operator influence. ZEISS ScanCobot is capable of fully automated scanning after the initial setup. This user-independent approach enables a stable scanning execution.

Always on track

While scanning is in progress, the sensor checks the surrounding conditions which might interfere with the measurement results. The automated process control corrects suboptimal conditions, like vibrations and light changes to ensure perfect scans everytime.

A wide range of applications

Casting & forging
Shorter measuring and testing times in sand casting, die casting, investment casting and the forging industry.

Additive manufacturing
Accelerate go-to-market time with high resolution polygon meshes for 3D printing and additive manufacturing projects.

Plastics
Optimize manufacturing processes in injection molding, blow molding and thermoforming.

Metal forming
Effective quality control from tool production, first article and serial inspection as well as assembly.

Technical data

	ATOS Q 8M	ATOS Q 12M
Light source	LED	LED
Points per scan	8 million	12 million
Measuring area [mm²]	100 × 70 – 500 × 370	100 × 70 – 500 × 370
Point distance [mm]	0.04 – 0.15	0.03 – 0.12
Working distance [mm]	490	490
Weight	approx. 4 kg	approx. 4 kg
Dimensions	approx. 340 mm × 240 mm × 83 mm	approx. 340 mm × 240 mm × 83 mm
Operating system	Windows 11	Windows 11
Measuring volumes	100*, 170, 270, 350, 500	100*, 170, 270, 350, 500

* Selected environment only

Technical data

	ZEISS ScanCobot (available with optional housing)
System weight	< 185 kg
Working height	1000 mm
Power supply	Standard, 100-240 V (1-phase, 16A)
Dimensions	975 mm × 755 mm
Max. part size	500 mm diameter
Max. part weight	50 kg

* Selected environment only

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HandsOnMetrology.com