

A blue car chassis is mounted on a black scanning rig in a factory setting. A yellow robotic arm is holding a GOM ATOS 5X scanner, which is positioned to scan the car's body. The scanner has a blue light and is labeled 'ATOS 5X'. The background shows a large industrial building with a white ceiling and blue walls.

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Automated Large Volume 3D Scanning
ATOS 5X



ATOS 5X

Extremely bright laser light source
Resistant to ambient light conditions

High detail resolution
Low noise level and precise coverage of complex geometries

Short exposure times
Even for dark and shiny surfaces

Robust sensor design
High accuracy in rough environments

Interference-free data transfer
Intelligent sensor communication using fiber optic

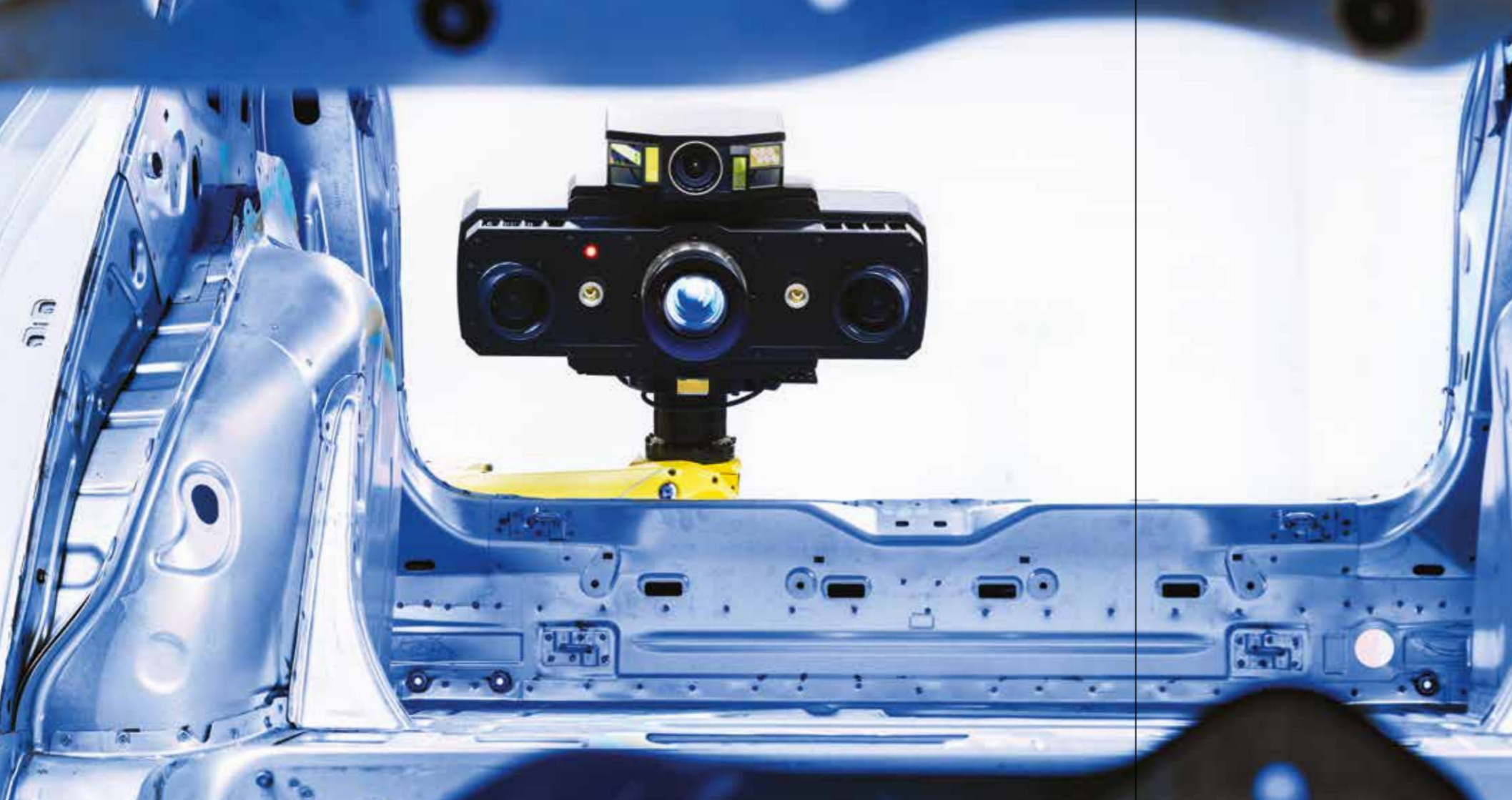
Process safety
In industrial applications



Automated Large Volume 3D Scanning

With its powerful light source, ATOS 5X enables the use of large measuring volumes for maximum speed in automated applications. In combination with the ATOS ScanBox series, ATOS 5X is a high-end scanning system for tool, press and body shops.

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High-Speed Technology

ATOS 5X uses the integrated Laser Light Compressor to generate ultra-bright light. This allows for measuring areas of up to 1000 mm and at the same time extremely short exposure times. Acquisition times of 0.2 seconds are reached.





Speed up Your Process

The automated measurement of a complete car body both outside and inside typically takes 30 minutes with ATOS 5X – including the precise coverage of complex geometries. The system enables the highest possible throughput with the main application areas in Meisterbock and Cubing, inspection of complete vehicles and quality control in body manufacturing.



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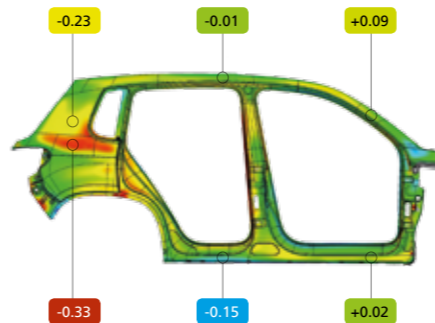
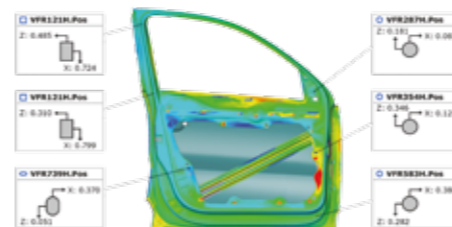
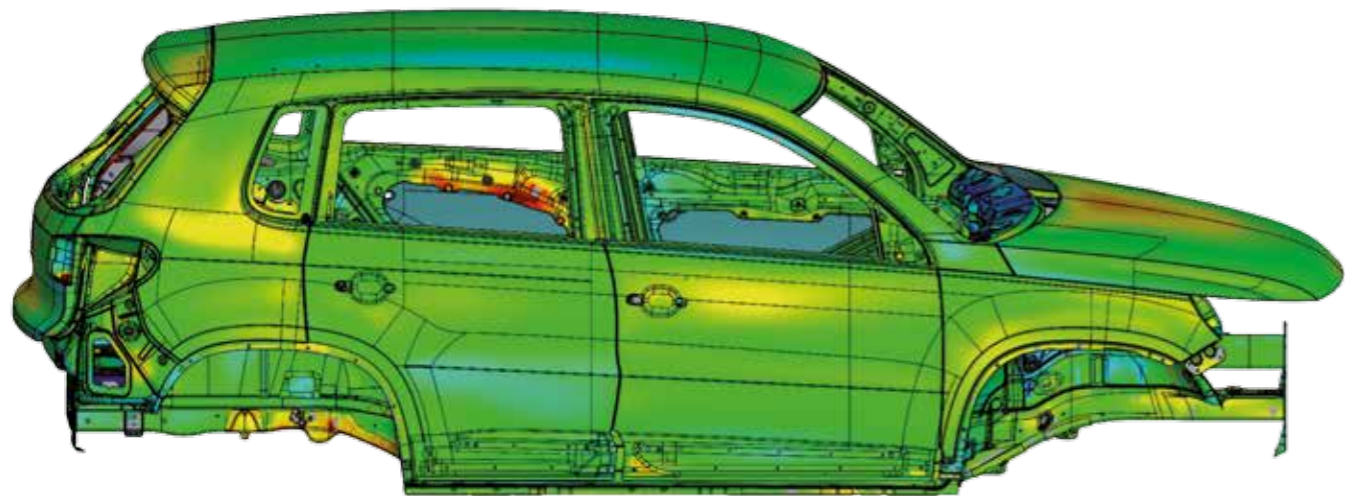


Get the Highest Data Quality

ATOS 5X delivers full-field data for comprehensive process and quality control of hang-on parts, side panels and complete car bodies. The data quality generated by the sensor is particularly evident in the high resolution of details of the 3D models, allowing an advanced inspection of character lines, radii, trimmed edges and hole patterns.



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Digital Assembly

Prior to the actual physical assembly, the measured parts can be virtually aligned. Information on gap and flush or functional dimensions can be evaluated at an early stage. Measuring results deriving from different departments or even from suppliers can be evaluated centrally. This way, a car body can be analyzed irrespectively of Meisterbock and Cubing.

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