



In Series Quality Assurance Through Automated Component Testing

“Our parts are very complex. With ATOS ScanBox and ZEISS INSPECT, however, it is very easy and efficient to measure them as required.”

Michael Kray
Quality Manager, LINDE + WIEMANN SE & Co. KG

In combining profiling, stamping, joining and gluing technology, LINDE + WIEMANN drives innovations in the field of structural assemblies for the automotive industry. To maintain the quality of the parts at the highest level, three automated 3D measuring machines support the entire manufacturing process: Collected measuring data is transmitted directly to upstream production via ZEISS PiWeb. Deviations are detected promptly, and corrective measures are initiated.

Industry

Automotive

Systems

3x ATOS ScanBox Series 6

Software

ZEISS INSPECT, ZEISS PiWeb

Challenges

- Increasing quality requirements and high monitoring rates
- Provision of extensive measuring data in the shortest possible time
- Automation and acceleration of measurement processes

Solution

- Integration of three optical 3D measuring machines for automated, fast serial measurements
- Fast, simultaneous data transfer via ZEISS PiWeb
- Detailed display of deviations in ZEISS INSPECT

Benefits

- Flexibility in inspection of large structural parts and setup processes
- High-precision verification for inspection of hole locations, trim edges and edge points
- Live transmission of generated measuring data reduces scrap