



**WHAT'S
IN IT
FOR YOU?**

Computed Tomography Made by ZEISS



We make it visible.

Computed Tomography

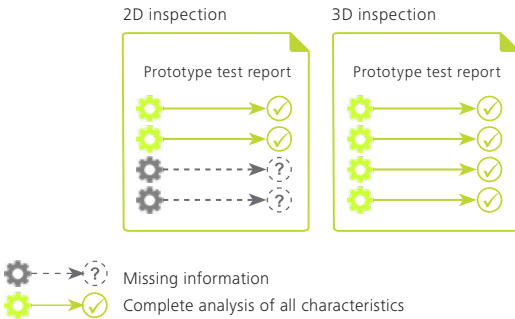
Made by ZEISS

The amount of time a company has to manufacture new parts continues to decrease. Shaping the process from development to market maturity to product approval as efficiently as possible creates a clear competitive advantage.

This trend is pressured by increasing part complexity, constantly changing tasks and the need to achieve more profitability and throughput.

More information // less interpretation of defects

Initial sample test report for plastic parts

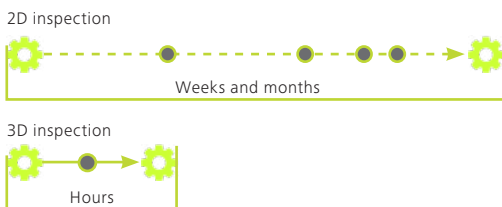


Interior characteristics of plastic parts are often difficult to measure non-destructively. 2D X-ray or ultrasound images provide incomplete characteristic recognition and therefore too little information. With 3D tomographed images, you receive more information as part of the initial sample test report. As a result, you deliver only fully inspected parts to your end customers.



More speed // fewer process delays

Tool correction on injection-molded plastic parts



- Process delay and longer throughput times
- Shorter throughput times for scanning and measuring
- Recurrences

Despite extensive calculation and simulation programs, the form of new plastic parts must be reworked at start-up. The necessary comparison of actual and nominal data requires a time-consuming process that extends the process by several weeks. With ZEISS METROTOM, you can scan and measure your entire plastic part non-destructively just a few hours after it is cast.



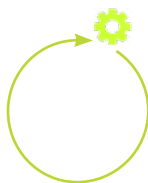
More process reliability // less reject

Serial inspection on pistons

2D inspection



3D inspection



Increased reject



Process gaps and delayed supply chain



Seamless process and supply chain

In addition to the recognition of pores and cavities, it is also important to determine their location and size during the serial inspection of pistons. A 2D analysis of defects and an inaccurate allocation generally result in multiple parts being unnecessarily rejected. With the CT inline solutions from ZEISS, we secure your processes and guarantee you and your partners a transparent process and supply chain.

CT Products

With ZEISS as a partner, you receive precise CT measurements and assistance in the development and implementation of customized process chains. Regarding efficiency, reliability and process stability, this guarantees higher productivity for your processes.

ZEISS VoluMax

ZEISS VoluMax allows you to examine all your parts for production flaws directly in production. Within a matter of seconds, you receive information about part porosity, dimensions and the correct assembly of modules.

ZEISS METROTOM

ZEISS METROTOM meets all the requirements of companies in the plastic, composite material and ceramic parts industries. The extensive reports provided by the system enable you to make fast, informative analyses of geometries whose measurement until now was not possible or only with limitations. Tools can be corrected more quickly thanks to the information from the simple nominal/actual comparison of the product data set and the actual data set of the initial finished parts.

CT measuring services

We provide non-destructive failure analyses for part interiors, measurement analyses and geometry comparisons, as well as reverse engineering – correct, optimize, capture, etc.

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