



VoluMax

Inline Computer Tomograph



We make it visible.

Inline Computer Tomograph

With VoluMax you can inspect 100% of your components for manufacturing defects. You receive information about component porosity or the correct configuration of assemblies within seconds. The result: you deliver only fully tested components to your end customers.



Fully automated 3D workpiece testing offers significant benefits over the conventional 2D testing technique. In the past, it was only possible to detect component defects such as porosities. Now, their size and location within the component can be evaluated. This enables the definition of product-specific

regions within the component in which different cavity sizes can be used as a criterion for component evaluation. Computed tomography evaluations are used for cast aluminum parts and other NF materials as well as for plastic components in the automobile, medical technology and mechanical engineering industries.

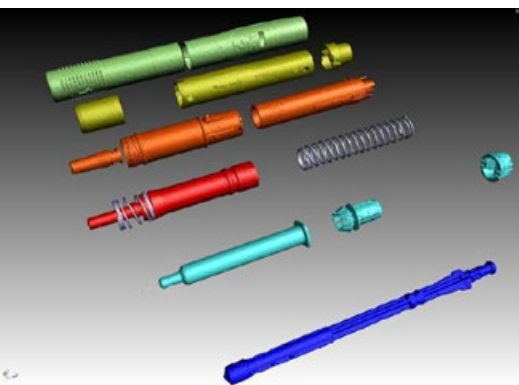
The 3D results delivered by VoluMax are used for porosity analysis, assembly checks and metrological verification of simple dimensions.

Fully automated loading

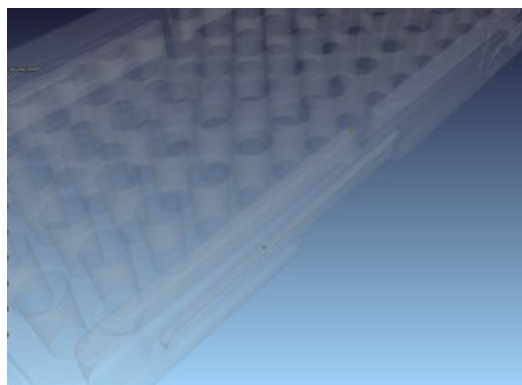
VoluMax incorporates Carl Zeiss know-how in the field of inline metrology and ensures the optimal integration of the CT into the manufacturing line by means of automated robotic loading. The software integration of the CT into the manufacturing phase ensures that test results can be traceably documented and archived for safety relevant components.

Advantages

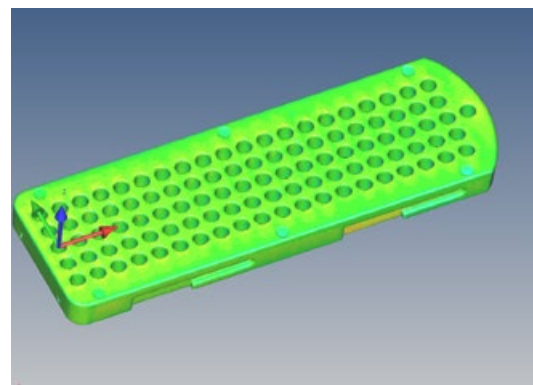
- Reduction of reject rates through evaluation of the size and location of defects within the component
- Reduction of reject rates through feedback of the measurement results
- User-independent test results through the use of innovative evaluation software for defect size and location assessment
- Product quality traceability through networking test results and production data



Assembly check of an insulin pen with VoluMax



Defect analysis



Plan/actual comparison

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