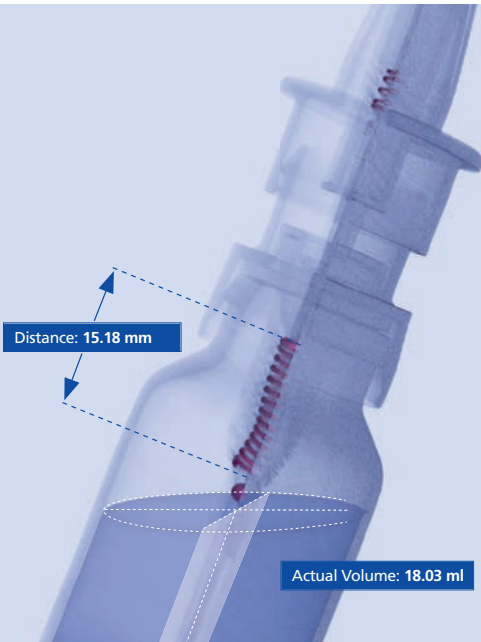


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Your reliable partner for
**Industrial CT
of medical
technology products**

Quality inspection, Assembly control,
Measurement

...

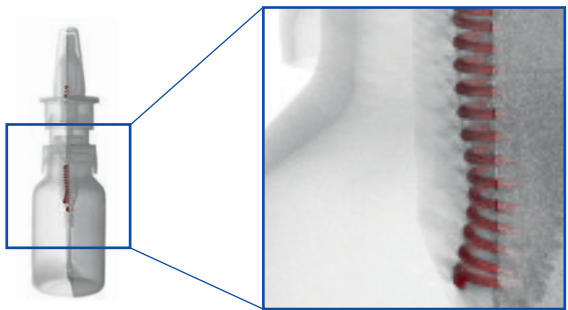
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Highest quality for high-tech products

Non-destructive inside view

Similar to applications of Computed Tomography (CT) in human healthcare, CT can be used for industrial applications – whenever a non-destructive view inside manufactured parts is required. By using CT imaging, e.g. internal voids can be detected, the assembly of parts can be inspected, or the measurements can be taken from internal geometrical features. Depending on the dimensions of the sample and the required sensitivity of the analyses, even details in the micrometer range might become visible (micro-CT). The resulting CT image datasets can then either be evaluated by browsing through virtual planes of section or as comprehensive 3D model.



Inspection of medical technology products **by non-destructive evaluation of internal features**

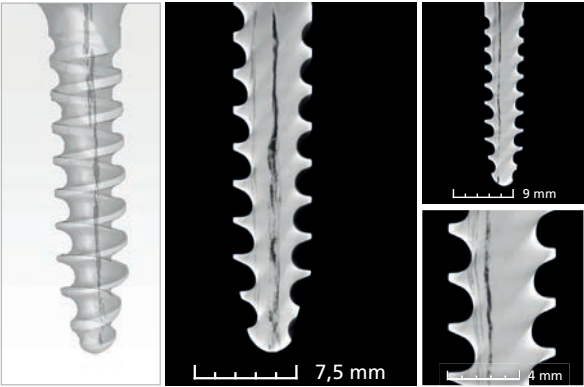
To meet the highest demands and to ensure human safety, perfectly functional products are required.

- Comprehensive measurements of manufactured parts and control for the correct assembly.
- Actual to nominal comparison: superimposition analysis of the actual part geometry against its CAD-data.



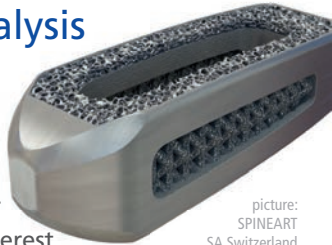
Inspection of medical technology products by non-destructive evaluation of internal features

- Inspection for voids such as cracks, pores, or inclusions.
- Analysis of wall thickness, also possible on organic and trabecular shapes.

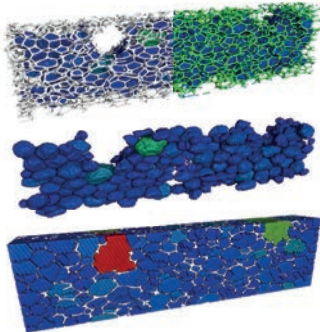
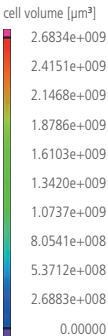


Foam structure analysis

- Evaluation of open and closed pore spaces.
- Determination of relative porosity over the full part or in pre-defined regions of interest.



picture:
SPINEART
SA Switzerland



Measurement of active agents
and their distribution

To verify the **correct dose**



Active pharmaceutical agents in drugs can be visualized based on high resolution CT datasets. This allows to determine the volume of the active agents as well as the statistical evaluation of distribution and quantity of active agents within a drug.

Your personal contact:

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Email: ct@werkstoffpruefung.de

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