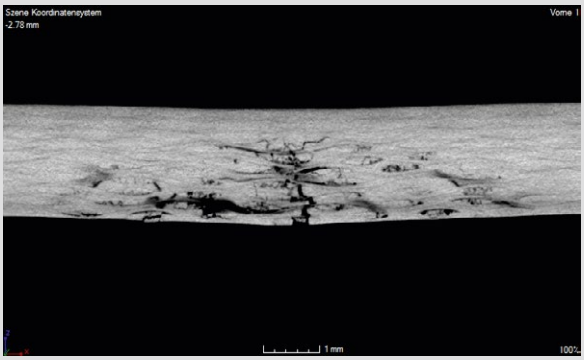

# X-Ray Inspection System micromex (2D/CT)

**X-ray inspection is** a non-destructive volumetric testing method for components and semi-finished parts made of various materials. Radiographic tests can be performed on solid materials including metals, steels and cast materials as well as plastics, ceramics and fibre composites.

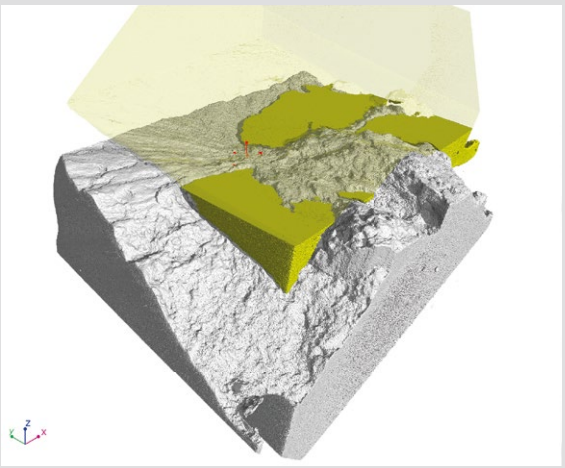
X-ray inspection is also used for foods in order to determine pore volumes and visualise internal structures. The continuous development of new materials and composites as well as faster and more complex manufacturing processes call for adequate measurement and testing methods.

**IABG offers efficient services** that meet the specific requirements of customers from all industries. We provide timely support for the following radiographic testing activities:

- Non-destructive volumetric tests to detect defects
- Geometric measurements
- Collection of real CAD data for calculations
- Assembly tests for complex machinery
- Characterisation of defects
- Characterisation of composites and compound materials
- Failure analyses




Impact on a GRP panel



3D model of a fractured steel surface

## Technical data

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|---|---|
| Micro-focus tube: | **180 kV / 20 W** |
| Cone angle: | **180°** |
| Maximum sample size: | **680 x 635 x 170 mm** |
| Maximum sample weight: | **10 kg** |
| Geometric magnification: | **1.970x** |
| Total magnification: | **2.660x** |
| Detail detectability: | **< 1 µm** |
| Number of axes: | **5** |
| View angle: | **70°** |

## For further information please contact:

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