

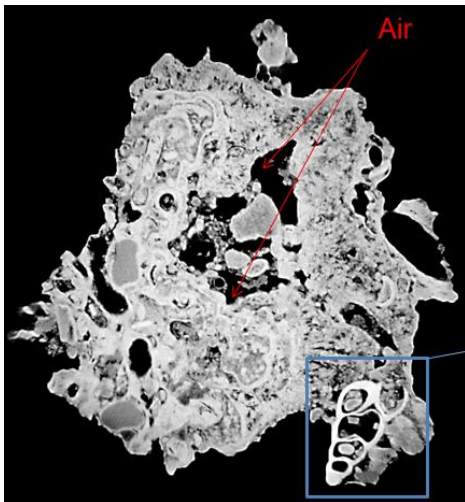
Combining high resolution and high energies
Ultimate analysis of oil & mining products

Composites & Plastics
Food and Agro-products
Metallurgy & Ceramics
Cosmetics
Oil & Mining
Pharmaceuticals
Tissues and biomaterials
Wood, Paper & Textiles



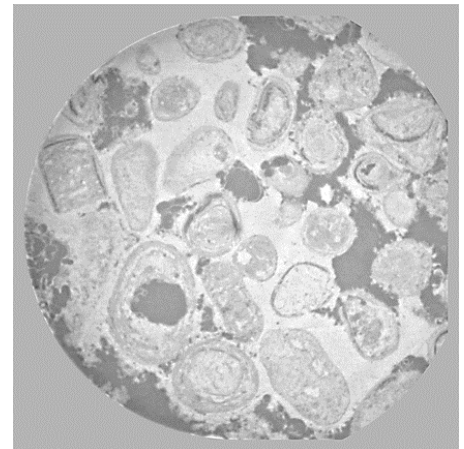
Scan

- Metallic and non-metallic ores
- Clays and sediments
- Agregates
- Crude oil
- Rocks & Reservoir rocks
- Materials for exploration & extraction



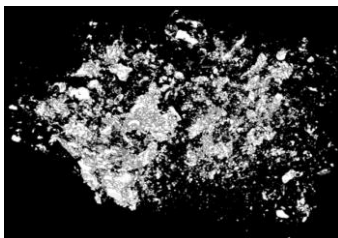
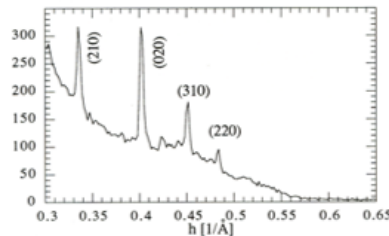

Analyse

- 3D microscopy of micro-components
- 3D analysis of inclusions, precipitates, porosity
- Non destructive 3D analysis of micro-fossils
- 2D mapping of oxidation states
- Crystallinity, granulometry,
- Identification of phases
- Failure (cracks, voids)
- Microscopic effects of chemical or thermal treatments
- Rheological behaviour of oils, crystallization
- Mineral processing and refinements technologies
- Accumulation, enrichment, sorting




Control

- Quality of ores
- Mineral processing
- Oil quality and refining
- Cracks, failures
- Corrosion, contaminants
- Recycling




Predict

- Permeability of reservoir rocks
- Failure propagation
- Relationship between microstructure and rheology
- Behaviour of drilling materials under stress

NOVITOM is the first full-service provider to specialise in 3D micro-imaging and micro-analyses powered by synchrotron technology. Novitom's innovative techniques go way beyond standard laboratory methods and use advanced non-destructive characterization tools to reveal the inner micro-structure of materials and products, with an exceptional level of quality and detail.

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