

Without any staining or marking, non-destructive Ultimate analysis of drugs, biopsies and devices

Composites & Plastics Cosmetics Food and Agro-products Metallurgy & Ceramics Oil & Mining

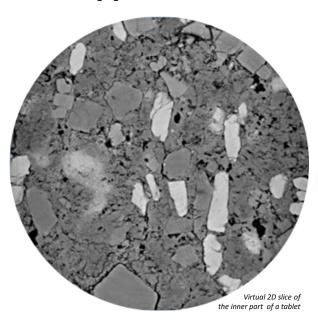
Pharmaceuticals

Tissues and biomaterials Wood, Paper & Textiles

Analyse



- Tablets, Pills, Pellets, Granules, Powders
- Creams, Gels, Ointments
- Suppositories, Capsules
- Implants, Transdermal patches
- Drug delivery systems
- Tissues: Skin, Hair, Bones, Biopsies
- Bandages
- Packaging





- 3D distribution & shape of API and excipient particles
- Compactness, Homogeneity
- Porosity, Cracks and failures, Delamination, Leaks
- in situ chemical & cristallinity analyses
- Crystalline and semisolid polymorphism
- Identification of contaminants
- Diffusion inside drugs and human tissues
- Micro-metrology
- Real time monitoring: temperature, compression, wetting

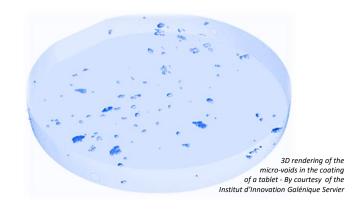




- Rate of diffusion
- > Risk of failure of solid dosage forms
- Medium-term degradation of drugs
- Physico-chemical behaviour
- Effect of compactness or coating quality on API diffusion rate



- Stability during storage
- > Stability under temperature or humidity
- Behaviour versus a mechanical stress
- Segregation of phases
- Dissolution of drugs
- Structural and chemical changes in tissues
- Packaging quality



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.