

3D X-Ray Microscopy (3D XRM)

3D X-Ray Microscopy (3D XRM) is based on micro computed tomography (Micro-CT), a non-destructive imaging technology pioneered by Bruker.

3D XRM is one of the most advanced methods for getting 3D insights into samples of any material, any shape, and any size with little to no sample preparation.

Bruker has made this technology easier and more accessible for everyone. A single scan is all you need to reveal the complete internal 3D structure of your sample non-destructively.



SKYSCAN 1272 –
High-Resolution 3D XRM



SKYSCAN 1275 –
3D XRM for Everyone



SKYSCAN 2214 –
3D XRM at the Nanoscale



SKYSCAN 1273 –
High-Capacity 3D XRM

3D XRM – Non-destructive 3D Imaging

When X-rays pass through an object the intensity is reduced by absorption proportional to the average atomic number along the trajectory.

By taking projection images at many different rotation angles the full 3D information can be retrieved.