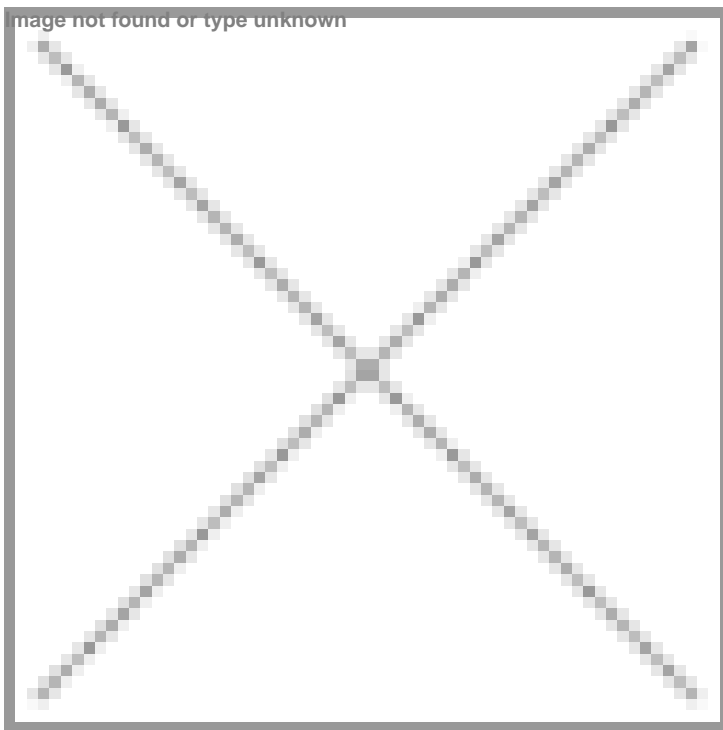


## Bruker introduces X4 POSEIDON advanced X-ray microscope for scientific applications

28 February 2025 | News

**For performance across life-science applications, from bone and dental research, to soft tissue imaging, plant and animal biology**



American manufacturer of scientific instruments Bruker Corporation has announced the launch of the new X4 POSEIDON, a high-performance 3D X-ray microscope (XRM) using micro-Computed Tomography (microCT).

This innovative benchtop XRM system offers advanced capabilities comparable to larger, floor-standing systems to make high-resolution 3D X-ray microscopy accessible for demanding XRM applications in industrial applications and scientific research.

The X4 POSEIDON features a high-end X-ray source that improves 3D resolution more than an order of magnitude compared to similar instruments. The system offers a large field-of-view high-efficiency detector, which optionally can be combined with a high-resolution scientific CMOS detector for multi-vision analytical flexibility.

The X4 POSEIDON is powered by 3DxSUITE software, with automated protocols, an intuitive and customizable user interface, integrated database and user management, and multi-language support. Designed for low maintenance, the system enhances uptime and reduces cost of ownership. Options are field-upgradable, allowing for cost-effective expansion to meet evolving analytical needs and future innovations.