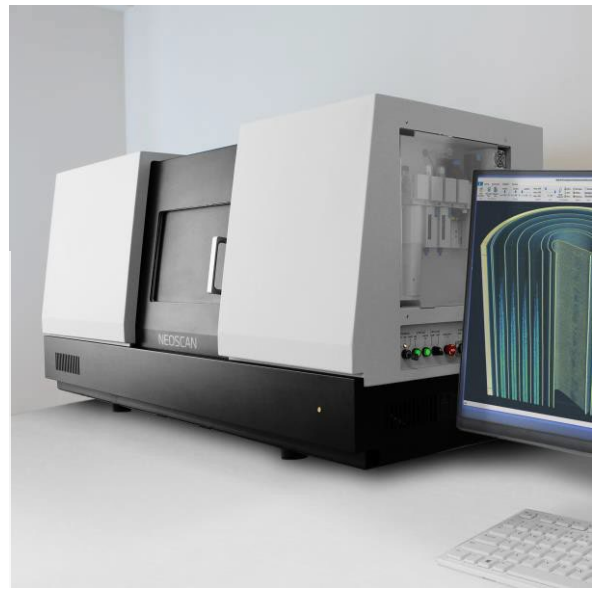


Neo

World's first desktop nano-CT



SPECIFICATIONS

GENERAL

Pixel size at maximum magnification	40nm (1.5mm object)
True low-contrast 3D resolution	300nm
Maximum scanning diameter	∅ 100mm
Maximum scanning height	200 mm
Maximum physical object length	400mm
Size (WxDxH)	1540x580x740
Weight	550kg

X-RAY SOURCE

Emitter type	Transmission (open)
Energy range	20-160kV
Maximum power	16W
Smallest spot size	300nm or better
Filter changer, number of positions	7

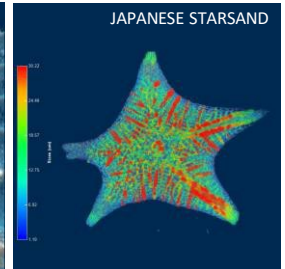
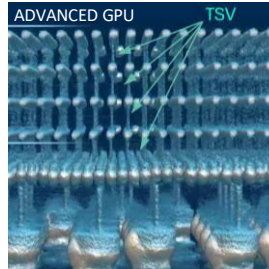
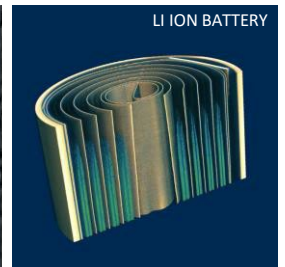
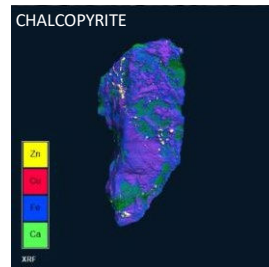
X-RAY CAMERA

Image format	27MP CMOS / 7Mp Flatpanel
Protection against radiation damage	Radiation hardened

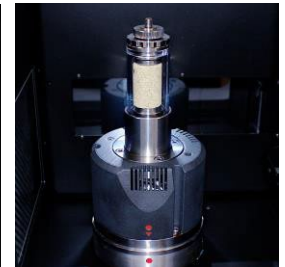
OPTIONAL

Integrated full-field micro-XRF module	Elemental mapping
3D NeoSpace Station	3D Spatial Reality

APPLICATIONS



ACCESSORIES



-40°C below ambient up to 120°C

+/-1000N

Neoscan microCT systems are supplied with an in-house developed all-in-one software tool for intuitive scanner control and processing data. From acquisition of a full series of 2D projection images, reconstruction into a 3D volume, to visualization and analysis of this volume in 2D and 3D, the software bundles all complementary steps from sample to result. The Neoscan software package includes an intuitive user interface, which will guide you through your straightforward workflow, allowing to use it instantly. All final and intermediate results are stored in conventional file formats and can be imported to any other software.