

# 500

scientific-grade  
high resolution  
microCT

## SPECIFICATIONS

### GENERAL

Pixel size at maximum magnification	0.35um
True low-contrast 3D resolution	2um
Maximum scanning size	Ø 50/100mm, length 130-150 mm
Maximum physical object length	200mm
Size (WxDxH)	1260x638x510
Weight	260kg

### X-RAY SOURCE

Emitter type	Transmission (sealed)
Maximum voltage	110kV
Maximum power	16W
Smallest spot size	2um
Filter changer, number of positions	7

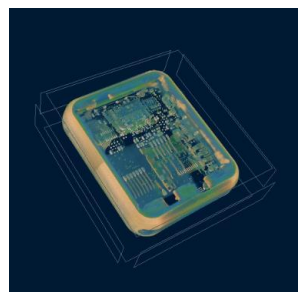
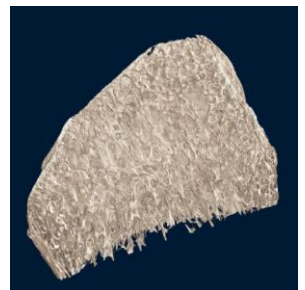
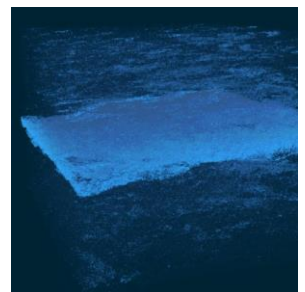
### X-RAY CAMERA

Image format	16MP cooled CCD
Camera field of view	48 x 72mm
Protection against radiation damage	Dual layer radiation hardened

### INTEGRATED OPTIONS

- Active artefact suppression
- Shielded passthrough

## APPLICATIONS



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 inspection 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.