NEOSCAN
X-RAY MICROTOMOGRAPHY

N70 Fast Benchtop microCT

SPECIFICATIONS

GENERAL

Pixel size at maximum magnification	<2.5um
True low-contrast 3D resolution	4um or better
Maximum scanning diameter	Ø 100mm
Maximum scanning length	137 mm
Maximum physical object height	220mm
Size (WxDxH)	1050x607x463
Weight	210kg

X-RAY SOURCE

Emitter type	Reflective (sealed)
Maximum voltage	100kV
Maximum power	20W
Smallest spot size	5um or smaller
Filter changer, number of positions	12

X-RAY CAMERA

Image sensor	7Mp Flatpanel
Camera field of view	140 x 120 mm
Protection against radiation damage	Radiation hardened

INTEGRATED OPTIONS

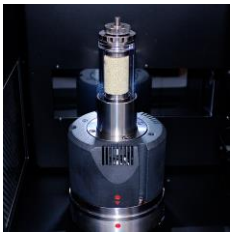
Active artefact suppression
Micro-positioning stage

ACCESSORIES

SAMPLE CHANGER

THERMAL STAGE

COMPRESSION/ TENSILE STAGE



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, inspection and GPU-accelerated 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.

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