

μCT 50
μCT 100
μCT 100 HE

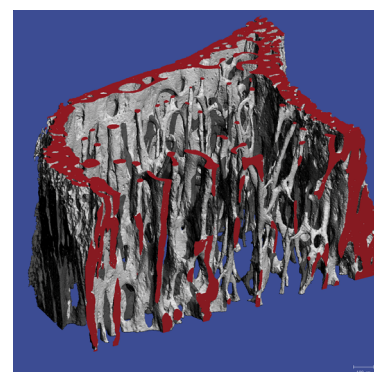
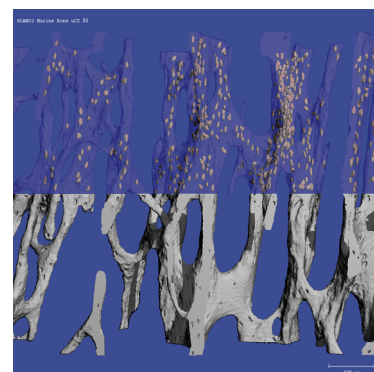
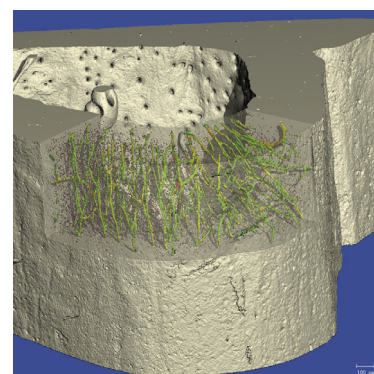
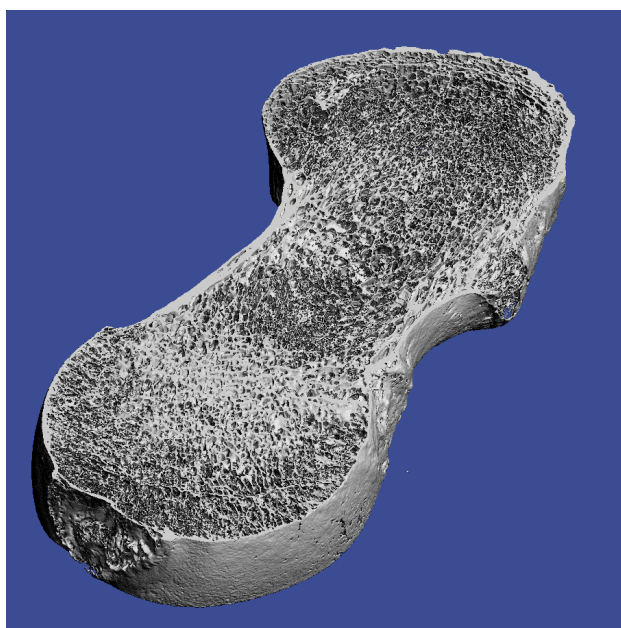
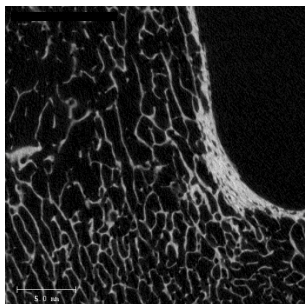
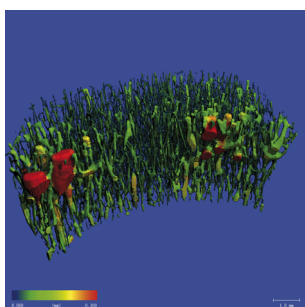


SCANCO MEDICAL

Specifications

Systems

	μCT 50	μCT 100	μCT 100 HE
Geometry	Cone-Beam	Cone-Beam	Cone-Beam
Peak Energy	30-100 kVp	30-100 kVp	30-130 kVp
Variable Focal Spotsize	5-30 μm (4-18W)	5-30 μm (4-18W)	5-40 μm (4-39W)
Filter Changer (4 positions)	yes	yes	yes
Scan Diameter	4-50 mm	10-105 mm	10-95 mm
Max. Scan Length/Height	120 mm	140 mm	140 mm
Max. Sample Ø/Height	100/160 mm	100/160 mm	100/160 mm
Automatic Sample Changer	up to 12 holders with multiple specimens up to 10 cm Ø	up to 12 holders with multiple specimens up to 10 cm Ø	up to 12 holders with multiple specimens up to 9 cm Ø
Resolution (Nom. /10% MTF)	0.5 μm / <2 μm	1.25 μm / <4 μm	1.25 μm / <5 μm
Image Matrix :	from 512 x 512 to 8192x8192	512 x 512 8192x8192	512 x 512 8192x8192
Options:	compression/tension and cooling device		



μCT 100, human femur, 30mm FOV Thickness map/100 mm FOV overview

Computing

HP Integrity Server, 64 bit	rx2800	bl8x0
RAM	32 to 384 GB	32 to 1536 GB
CPU/cores	1 to 2/4 to 16	1 to 8/4 to 64
Disks	5 TB to multiple TB	5 TB to multiple TB
Optional GPU (Nvidia) for reconstruction		
Clustering of multiple rx2800/bl8x0 possible to enhance throughput		

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