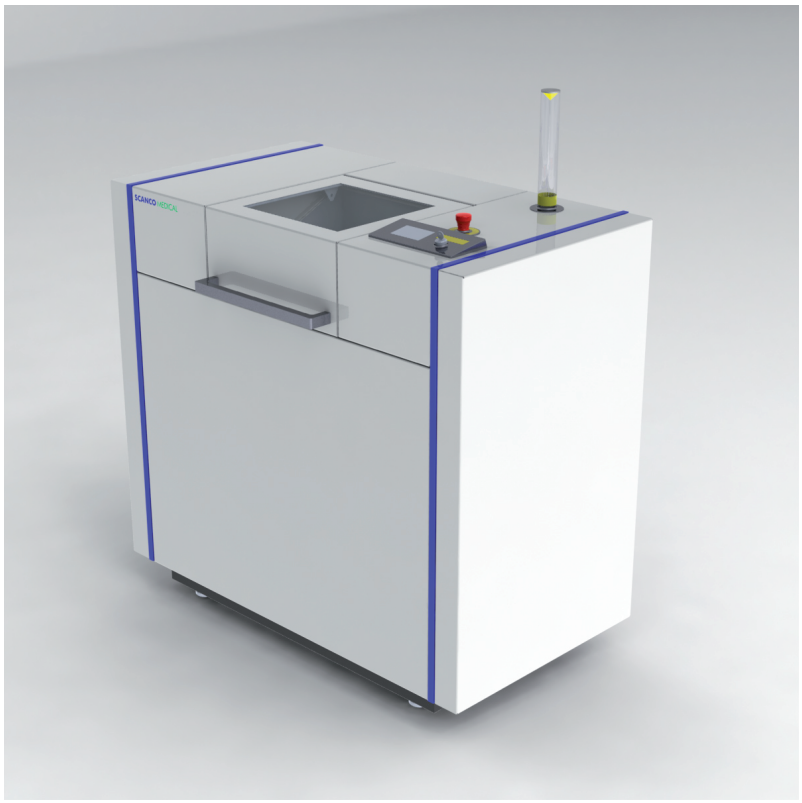
µCT 50
µCT 100



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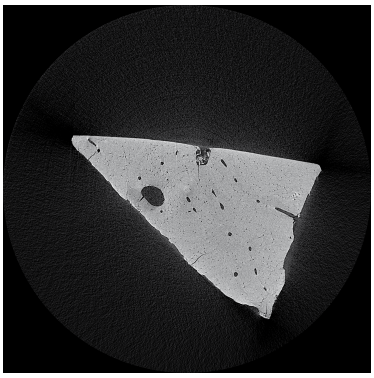
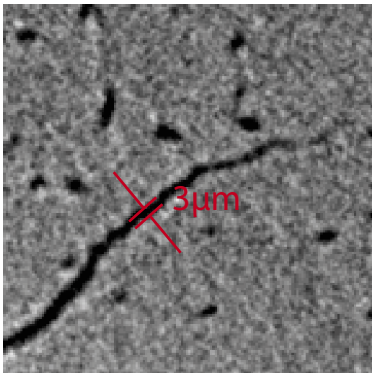
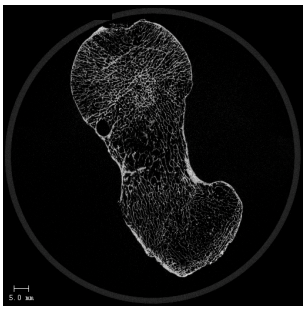
Specifications

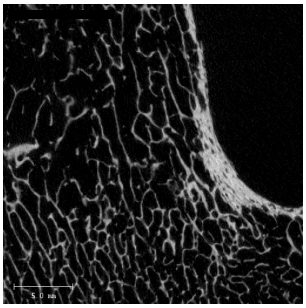
Systems

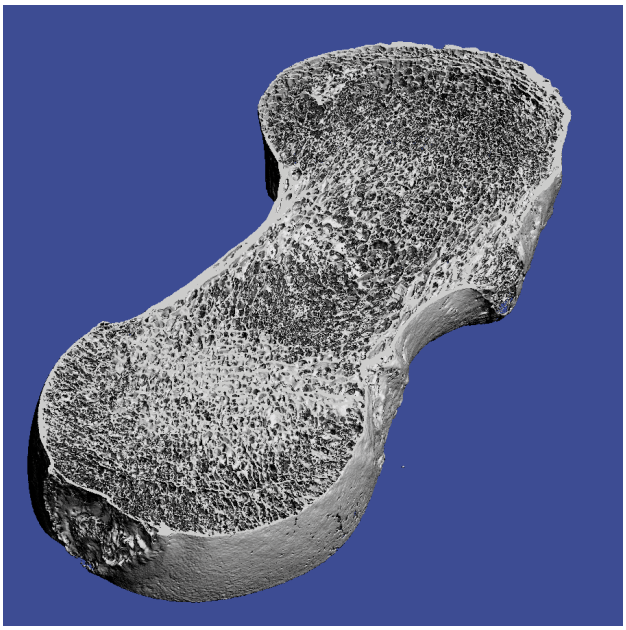
		µCT 50	µCT 100
Geometry		Cone-Beam	Cone-Beam
Peak Energy		30-90 kVp	30-90 kVp
Variable Focal Spotsize		5-30 µm (4-18W)	5-30 µm (4-18W)
Filter Changer (Al, Mb, Cu, None)		yes	yes
Scan Diameter		4-50 mm	10-105 mm
Max. Scan Length/Height		160 mm	160 mm
Automatic Sample Changer		up to 12 holders with multiple specimens	up to 12 holders with multiple specimens
Resolution (Nom. /10% MTF)		500 nanometer / <2 µm	1.25 µm / <4 µm
Image Matrix :	from	512 x 512	512 x 512
	to	8192x8192	8192x8192

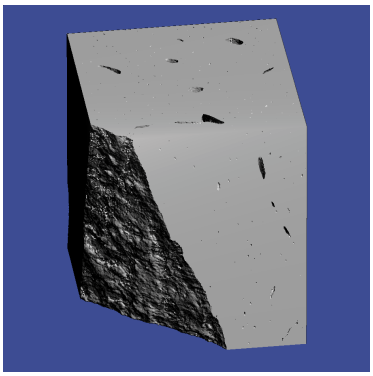


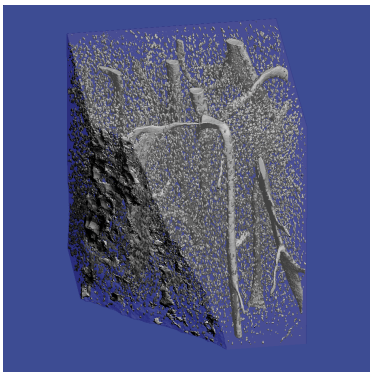












µCT 100, human femur, 100 mm FOV, 30 µm voxelsize

µCT 50, cortical bone, 1 µm

Computing

HP Integrity Server, 64 bit	rx2660/rx3600	bl860/bl870
RAM	4 to 32/96 GB	4 to 256 GB
CPU	1 to 4	1 to 32
Disks	300 GB to multiple TB	300 GB to multiple TB
Reconstruction Time	3 s for 1k x 1k (1 CPU)	3 s for 1k x 1k (1 CPU)
Analysis Time	5 min typical	5 min typical

Clustering of multiple rx2660/rx3600/bl860/bl870 possible to enhance throughput

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