


Technical Specification & C SHAKE SHR CT 130 3 D

Microfocus X-Ray Tube	Closed PXS 10-16			
Max voltage /power	130 KV 16 Watt			
Focal Spot	< 6 µm (max power 4 Watt) < 9 µm (max power 8 Watt) <25µm (max power 16Watt)			
Focus Detector distance	optional	400 mm	550 mm	
Field of View	optional	100x100 [mm] 145 x115 [mm]	75 µm Pixel-Pitch size 75 µm Pixel-Pitch-size	
Voxelsize range	< 60 µm min magnification with Magnification axe < 20 µm max mangnification			
Detail detectability	down to 60 µm with magnification axe down to 20 µm			
Measuring accuracy	. +/- (5+L/100) µm max magn. (VDI 2630 Part 1.3 guideline)			
Detector line detection array	14 bit linear detector	Perkin Elmar DEXELA	area 1944 x 1536	
	high sensitivity and high dynamic range modes Pixel binning options up to 4x4 High DQE at low dose 14 bit digital output GigE Vision Camera Link			
Manipulator	Granit base	Johann Fischer Aschaffenburg	accuracy better 20 µm	
Turning axe	PI HA			
x-Axe accuracy	PI HA	.+- 25.000 mm		
max 3 D Scanning area	100x 75 mm (max detector 145 x115 mm)			
System dimension WxHxD	~1800 x 800 x600 [mm]			
System weight	~ 700 kg	basic version		
software package	SHAKE	VOLEX VolumePlayerPlus	3 D System Software and reconstruction Rek -files Viewer and STL-Extractiun	
radiation protection	the radiation safety cabinet is a full protective insatllation without type approval accordingprotection to the German RöV (Radiation law) Every SHAKE system is checkdt and documented by the German TÜV certification organization.			
	attention	technical data can be changed during the time !		