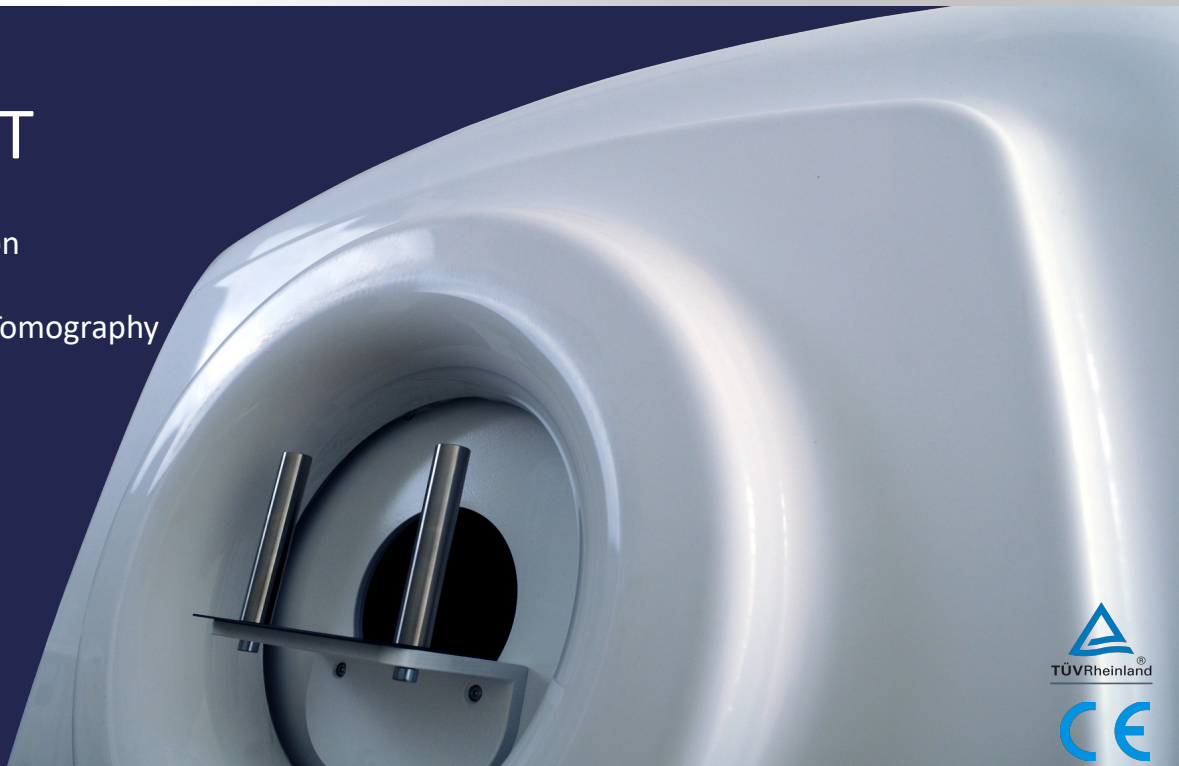


ARTiCAT

HRpCT - High Resolution

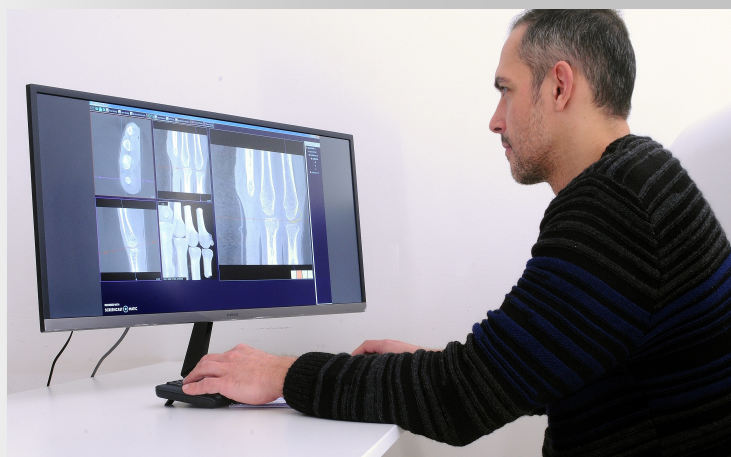
Peripheral Computed Tomography



Very high resolution micro-Tomograph for hand examinations

Continuous evolution in diagnostic imaging

ARTiCAT is an advanced microCT system for in vivo imaging. With rapid scans and low radiations doses, ARTiCAT produces very high definition images for the diagnosis and therapeutic monitoring of rheumatoid arthritis and osteoporosis and for the visualization of micro-alterations of the bone structure.



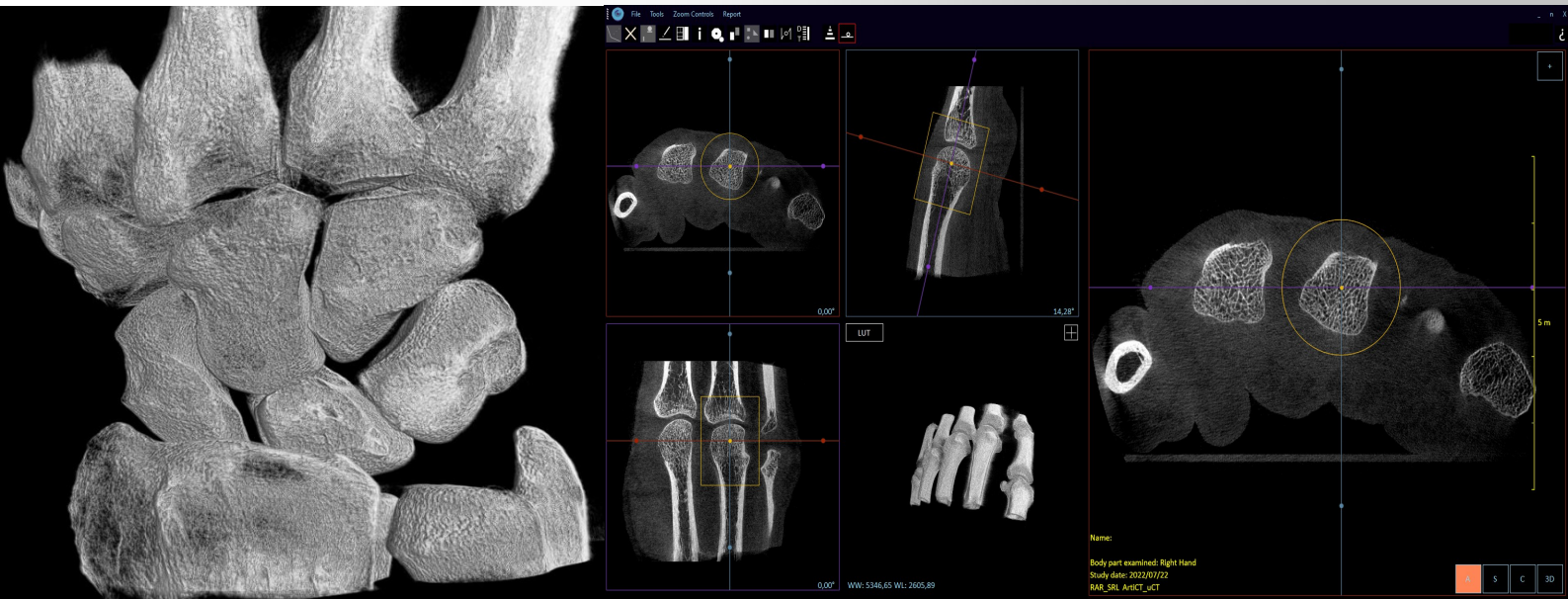
Innovations

- Technology CBCT (Cone Beam Computed Tomography)
- Standard scan mode for a higher field of view and zoom for maximum spatial resolution
- Fast Scans (22sec - 36 sec) and reconstruction of RunTime images



Spatial resolution VS FOV

Protocollo	Name	FOV (mm)	mAs	voxel(μ m)	MTF 10%(μ m)	Tscan(s)	CTDI Vol
1	<i>Large Field</i>	97x97	4,8	135	171	22	8,7 mGy
2	<i>Large Field HR</i>	64x64	4,8	65	112	36	8,7 mGy
3	<i>Zoom</i>	83x83	4,8	100	149	22	6,6 mGy
4	<i>Zoom HR</i>	51x51	4,8	50	82	36	6,6 mGy



Specifications

Xray Source	0,6 mA @ 80kV focal spot 33µm
Detector	1548x1548 pixel – technology CMOS
Scan Time	22s-36s
Reconstruction	RunTime
Weight	160kg
Dimensions	140x100x100
Power Supply	230±10% 50Hz 4A
Max Distance to Workstation L max	15m (ARTiCAT-Workstation)

ARTICAT is produced and distributed by

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