

Attrius® scanner specifications

Attrius specifications

Number of rings	24
Number of slices	45
Number of PMT's	768
Number of scintillators	3072
Crystal to PMT decoder ratio	4:1
Axial FOV	123.6 mm
Sensitivity at 350 keV (typical).....	200K counts/s/ μ Ci/cc
Detector size	8.5 x 9.8 x 30 mm
Resolution	5.8 mm (cubic)
Slice spacing	2.6 mm/45 slices generated
Detector material	BGO
Detector ring diameter	78 cm
Detector design	Overlapping(patented)
Coincidence resolving time	6 ns FWHM
Coincidence window	12 ns
Reconstruction time	<0.9s(256 x 256)
Per slice	<0.4 s (128 x 128)
Total (45 slices)	<23 s (128 x 128)
Septa insert / retract time	40 s, nominal/computer controlled

Attrius L specifications

Number of rings	32
Number of slices	61
Number of PMT's	1024
Number of scintillators	4096
Crystal to PMT decoder ratio	4:1
Axial FOV	166 mm
Sensitivity at 350 keV (typical)	280K counts/s/ μ Ci/cc
Detector size	8.5 x 9.8 x 30 mm
Resolution	5.8 mm (cubic)
Slice spacing	2.6 mm/61 slices generated
Detector material	BGO
Detector ring diameter	78 cm
Detector design	Overlapping(patented)
Coincidence resolving time	6 ns FWHM
Coincidence window	12 ns
Reconstruction time	<0.9 s(256x256)
Per slice	<0.4 s (128 x 128)
Total (61 slices)	<48 s (256 x 256)
Septa insert / retract time	40 s, nominal/computer controlled

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physical, environmental and power requirements

System power requirements	Permanently connected; 1 phase, 200-240V AC; 5kVA; 50/60Hz; Conformity IEC60601-1 standard
Gantry weight	5511 lbs.
Length	Bed and gantry; 13'2"/4019 mm
Width	6'7"/2050 mm
Height	5'9"/1808 mm
Operating temperature range	20-25° C
Humidity	40-60%, non-condensing

Attrius imaging system features

- // 3-Dimensional image
- // Fast, high performance acquisition system
- // Fast image reconstruction system
- // High resolution and sensitivity
- // Automated clinical software
- // Extensive clinical analysis software
- // Fully concurrent acquisition, reconstruction, and image viewing and analysis

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