



Preclinical Imaging

Product Guide

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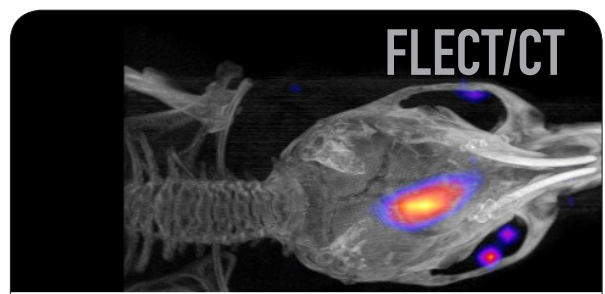
Solutions for Science and Industry



MRI Systems



- High quality MRI systems
- Cryogen-free superconducting MRI system
- Low operating costs
- No special room requirements (self-shielded and no quench pipes required)
- Small fringe-field
- Rampable between different field strengths
- Highly suited to multi-modality imaging
- Comes in a range of sizes and field strengths
- 3.0T; 17cm & 31cm bore
- 4.7T; 17cm bore
- 7.0T; 17cm & 24cm bore
- 9.4T; 17cm & 26cm bore



FLECT/CT



InSyte Benchtop

- Fluorescence Emission Computed Tomography (FLECT)
- Only true 3D Optical imaging system
- Compact & cost effective benchtop imaging system
- X-ray micro-focus 50W
- Clinical CT-like performance with superior soft-tissue contrast



PET



Clip-On or In Bore

- Latest digital SiPM solid state Silicon Photomultiplier detector technology
- Stable, robust and tolerant to temperature and high exposure levels
- DOI LYSO crystal technology
- < 0.8mm resolution
- AFOV up to 150mm
- TFOV 70mm (larger on request)
- Insert system allows simultaneous PET and MRI imaging



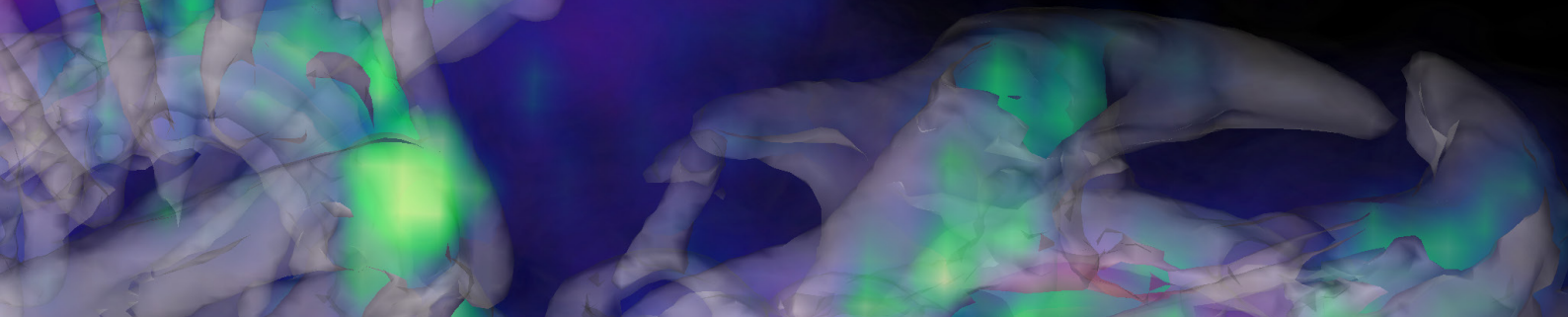
SPECT



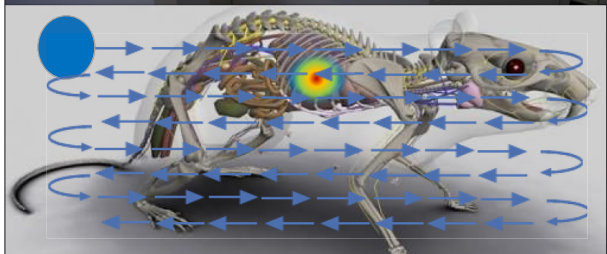
Clip-On or In Bore

- Latest digital SiPM solid state Silicon Photomultiplier detector technology
- Stable, robust and tolerant to temperature and high exposure levels
- CsI crystal technology
- Sub 1mm resolution
- FOV up to 85x85mm
- Insert system allows simultaneous SPECT and MRI imaging





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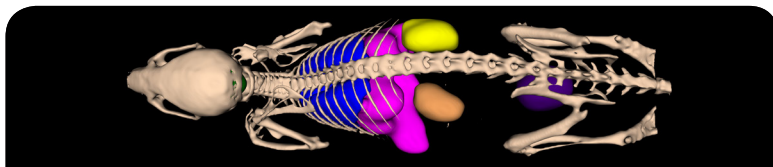


Magnetic Particle Imaging



MOMENTUM magnetic particle imager

- Ultrasensitive high resolution molecular imaging
- Deep tissue imaging
- Quantitative results
- <100 cell sensitivity at any depth
- Vascular, functional and cell-based technology
- Translatable to the clinic
- ≤1mm resolution
- Long term tracer stability



Medical Imaging Software



VivoQuant™

- Process and analyse image data across multiple modalities
- Supports PET, SPECT, CT, MR and optical data
- Automated 3D ROI segmentation
- Complete viewing, analysis and presentation tools
- Tracer and PK modelling package

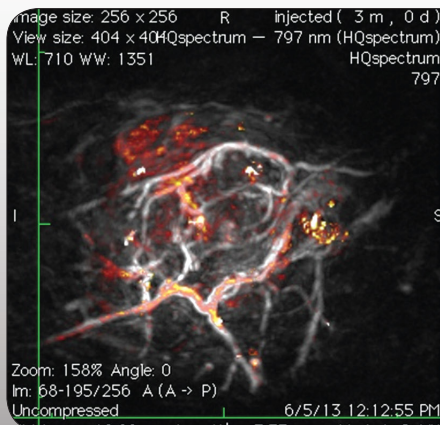
iPACS® Platform

- Cloud/web-based project management system for translational imaging applications
- Efficient management, distribution, batch analysis, mining and presentation of images and data associated with imaging studies
- 21 CFR part 11 compliant electronic record keeping

X-Ray CT Microscopy

nano3DX

- Extreme contrast for biological samples
- Exchangeable Cr, Cu, Mo or W anodes
- Rapid Imaging 1.2kW rotating anode
- 0.6µm resolution
- Large FOV
- Artefact free stitching for large data sets



Nexus 128 3D/4D Photoacoustic Imaging System

- Predefined tumor biology and probe uptake protocols
- Flexible 'research mode' for advanced scan parameters
- Advanced reconstruction algorithms
- Easy to use graphical user interface
- Compact, easy-to-site system
- Powerful viewing and analysis software



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