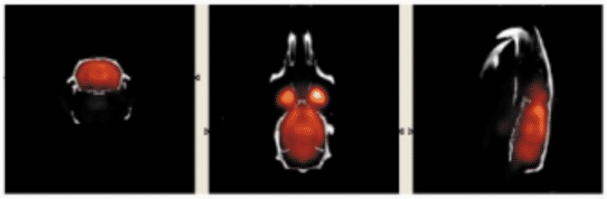
SuperArgus PET/CT

State of the art technology

True-DOI: 3DOSEM with 4 lines of response

SEDECAL

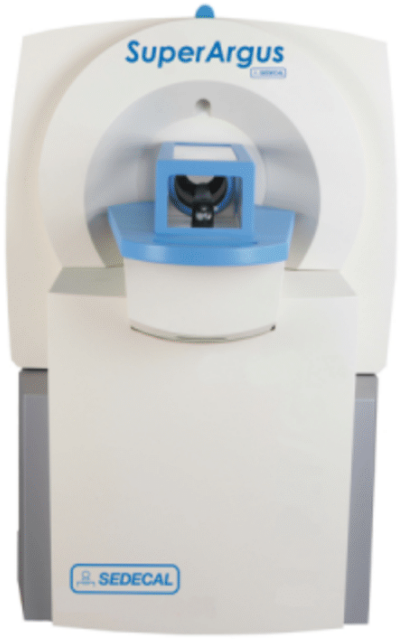
Real-Time PET Imaging



Scintica:

SuperArgus PET/CT

State of the art technology



The new **Super Argus PET/CT** family is the latest evolution of the Argus PET/CT scanner
The new scanners combine the "Unique Phoswich DOI Technology" with the highest FOV in the market (axial and transversal), which permits extending PET/CT studies to larger animals. The configurations available are focused in the animal sizes having two diameters and three axial FOV: 5 cm, 10 cm and 15 cm which correspond to 2, 4 or 6 rings depending on customer needs and with the option to be upgraded later on.

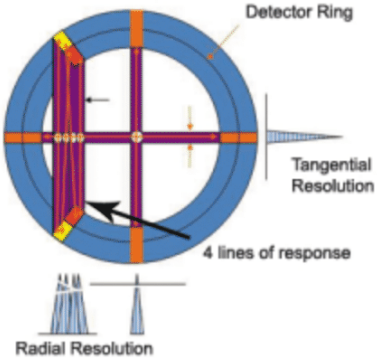
Super Argus has been designed with the aim of satisfying the professional demands, such as improving ease of use and providing a multi-animal bed system, which allows a high throughput.

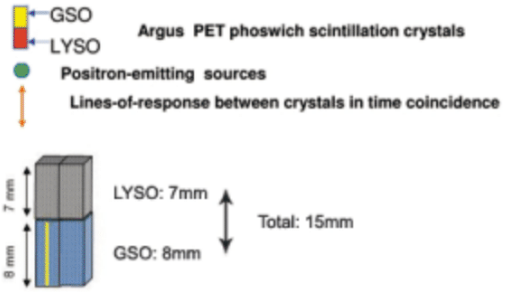
The new **CT**, is also focused on new market demands, such as low dose, fast scanning time, high resolution mode and advanced applications.

3D-OSEM with 4 lines of response

UNIQUE PHOSWICH DOI TECHNOLOGY:

The true-DOI, combine the 4 lines of response: GSO-GSO, LYSO-LYSO, LYSO-GSO & GSO - LYSO with the ultra-fast FIRST 3D-OSEM algorithm

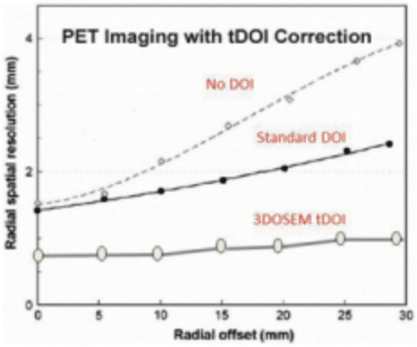


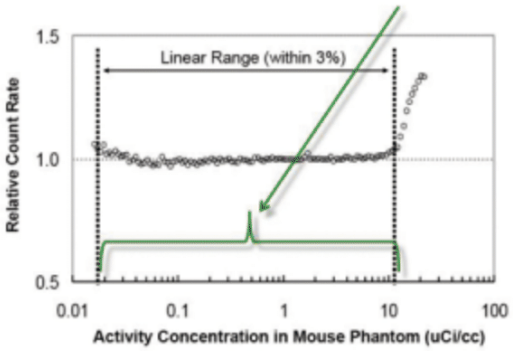


LEADER ADVANCED TECHNOLOGY

This unique detector technology allows near constant and very high resolution along complete FOV, from the centre to the edge of the imaging chamber.In solving the parallax phenomena, we can achieve submillimetre resolution with a high sensitivity, this enabling greater quantitative accuracy.

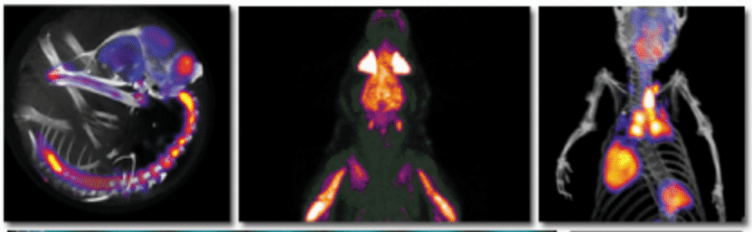
Uniform resolution across FOV, Dynamic scaning, High sensitivity, Parallax correction

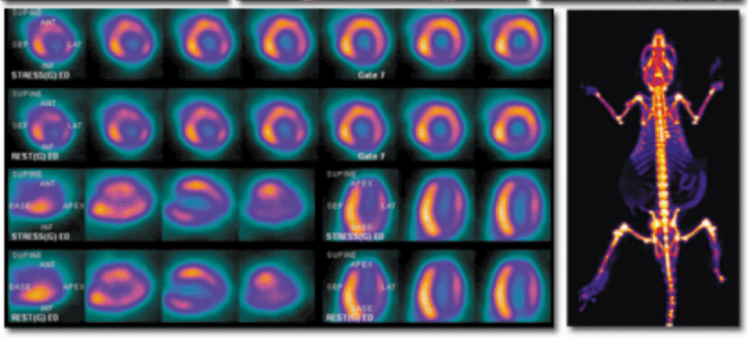


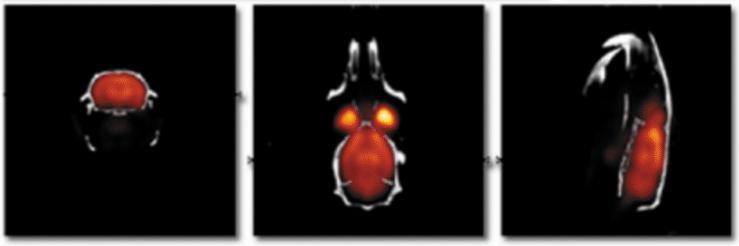


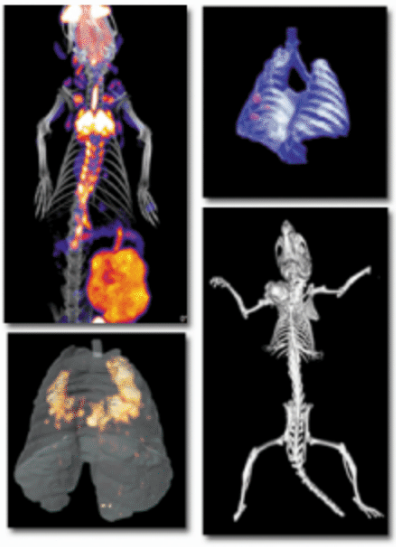
Scintica:

SuperArgus PET/CT main applications









Thanks to its high spatial resolution, high sensitivity, high temporal resolution and gating capabilities, SuperArgus is extremely well-suited for all research fields:

- **Oncology**
- **Neurology**
- **Cardiology**
- **Disease Biology**
- **Toxicology**

- FBP, 2D OSEM, 3D OSEM
- Random correction & scatter correction
- isotope based attenuation correction
- CT-based attenuation correction
- Whole body Image
- Gating System

True quantification capabilities

Dynamic & Kinetic acquisition

Very fast reconstruction

Scintica:

SuperArgus PET/CT family System

Specifications

Model	Argus Compact	SuperArgus PET/CT 2r	SuperArgus PET/CT 4r	SuperArgus PET/CT 6r	SuperArgus PET/CT 2R	SuperArgus PET/CT 4R	SuperArgus PET/CT 6R	SuperArgus PET/CT 4P	SuperArgus PET/CT 6P
Animals	Mice only 1 Kg	Mice, rats and marmosets 3 Kg	Mice, rats and marmosets 3 Kg	Mice, rats and marmosets 3 Kg	Mice, rats, marmosets, rabbits 6 kg	Mice, rats, marmosets, rabbits 6 kg	Mice, rats, marmosets, rabbits 6 kg	Non-human primates; canine; porcine 10 kg	Non-human primates; canine; porcine 10 kg
Dynamic AFOV	100 mm	220 mm	220 mm	220 mm	350 mm	350 mm	350 mm	650 mm	650 mm
Static AFOV	100 mm	50 mm	100 mm	150 mm	50 mm	100 mm	151 mm	100 mm	150 mm
TFOV	50 mm	80 mm	80 mm	80 mm	120 mm	120 mm	120 mm	210 mm	210 mm
Bore size	55 mm	100 mm	100 mm	100 mm	160 mm	160 mm	160 mm	260 mm	260 mm

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* Information and specifications are subject to change without prior notice

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