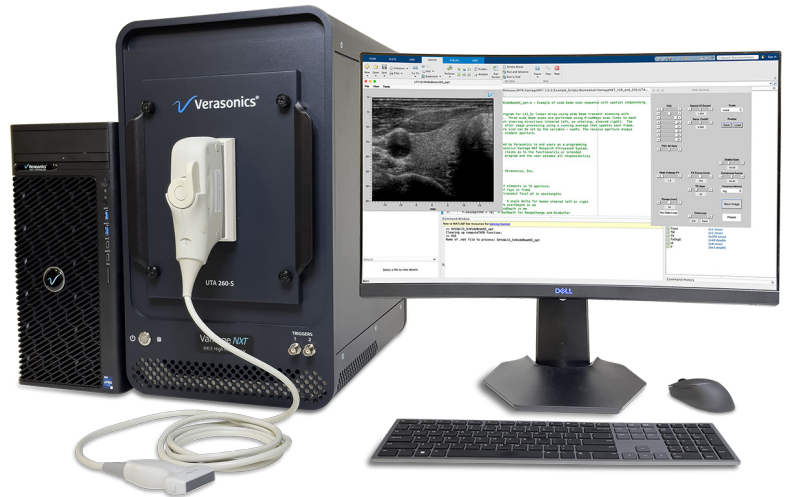## Vantage® NXT Research Ultrasound System

The Vantage NXT platform uses proprietary software and hardware technologies to provide direct access to raw ultrasound data, while preserving the ability to perform high quality real-time imaging.

- Enhanced high frequency imaging over an operating bandwidth up to 60 MHz
- Universal Transducer Adapters (UTAs) for most transducers available on the market
- Expanded I/O capabilities with the addition of independently programmable triggers, quadrature encoder inputs and low frequency analog inputs enabling coregistration of ultrasound and position or physiological data.

PARAMETER® 3D Cabinet X-ray system

- 2D and 3D X-ray imaging capabilities
- Integrated HD optical camera
- Robust software toolkit for image analysis
- Faster than μCT
- Fully shielded and mobile system for easy transportation

inviscan

Imaging systems

IRIS is available in single modality PET, CT or dual modality PET/CT.

Specifications PET

- Sensitivity > 9%
- Spatial resolution < 1 mm (3D OSEM)
- Axial FOV: 96 mm (Single bed position)
- > 230 mm (Multiple positions)
- Trans-axial FOV: 80 mm
- Energy resolution: 13% (Best on market)

Specifications CT

- Resolution: ~ 70 µm @ 10% MTF
- Fastest whole-mouse scan: 4s (4D CT)
- Axial FOV: 90 mm (Single bed position)
- > 230 mm (Multiple positions)
- Trans-axial FOV: 80 mm
- Low animal dose < 1 mGy

NEWTON 7.0 - bioluminescence, fluorescence & NIR-II imaging

⋁|VILBER
Smart Imaging

The NEWTON 7.0 is a high sensitive optical imaging system dedicated to the visualization of *in vivo*, *in vitro* and *ex vivo* applications.

- Ultimate sensitivity with the widest lens aperture f/0.70
- 1" Scientific Grade CCD Camera and -90°C absolute cooling
- Bioluminescence detection : femtogram level
- Fluorescence detection : picogram level
- 3D Optical Tomography