MXR THE IMAGING SOLUTIONS COMPANY®

FUJIFILM
Value from Innovation

ARIETTA 750
DeepInsight

RADIOLOGY

DeepInsight

Introducing the Fujifilm ARIETTA 750 DeepInsight premium ultrasound system that combines our advanced Variable Beamformer with a suite of novel features designed to improve resolution and reduce noise at all depths.

Supporting a large selection of probes for both diagnostic scanning and therapeutic guidance, the ARIETTA 750 DeepInsight can help take your ultrasound capabilities to the next level.

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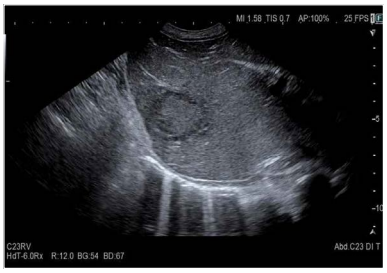
DeepInsight, which is an advanced noise reduction technology, *e*Focusing PLUS and Carving Imaging. The combination of these technologies enhances the signal from the tissues and delivers higher image quality with far less examiner dependency.



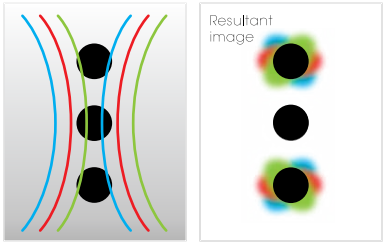
DeepInsight Technology

Powered by REiLI

DeepInsight technology, which utilizes cognitive recognition technology for image enhancement, extracts only the necessary information from a vast amount of data, delivering clearer representations of fine and complex tissue structures that could, until now, have been masked by noise. A more natural representation of the tissue structure is achieved.

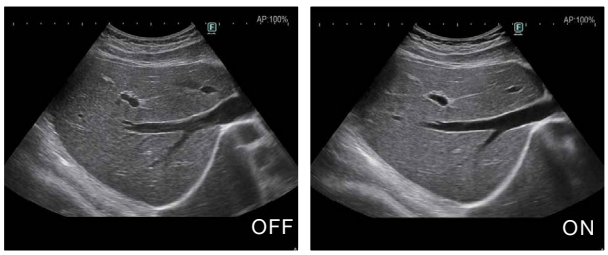
*e*Focusing PLUS

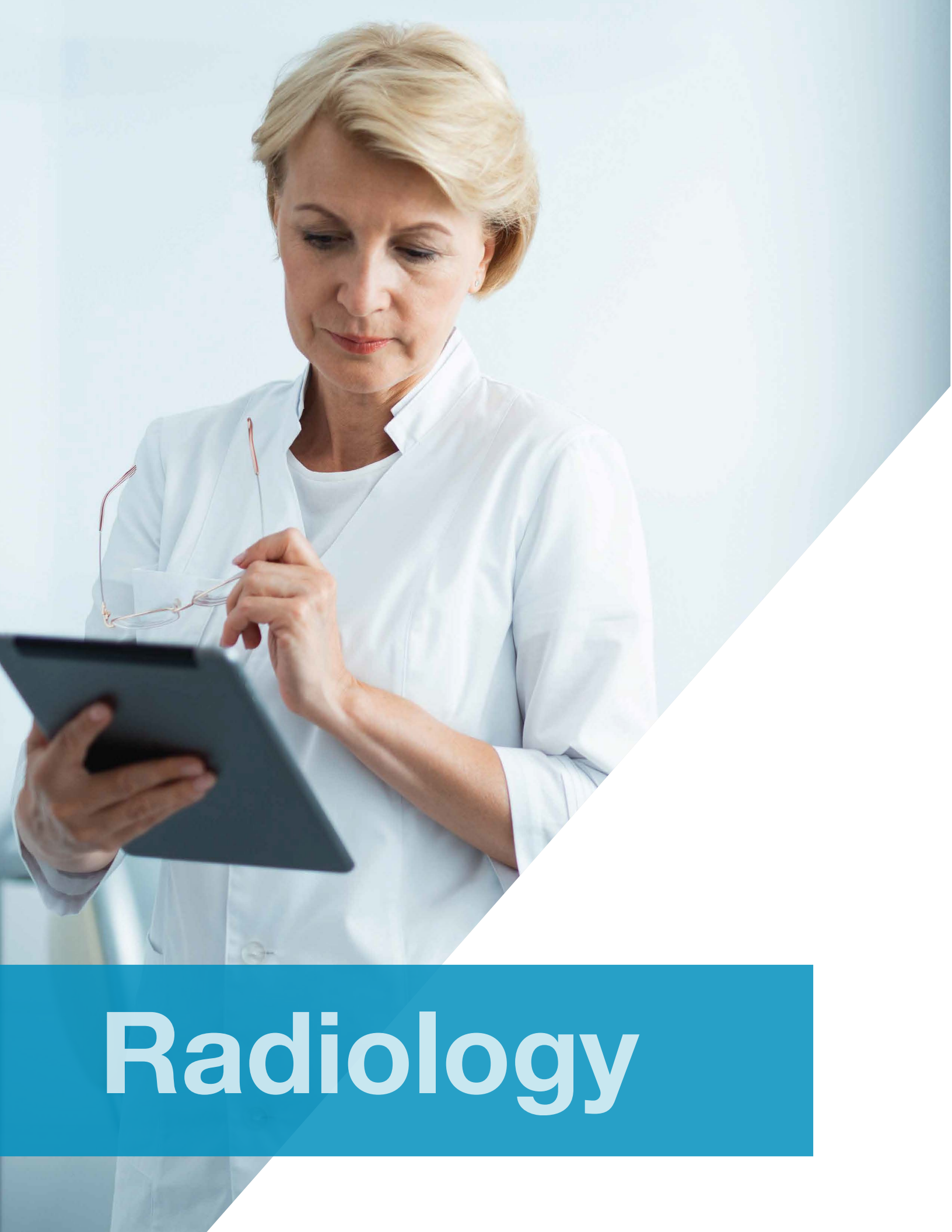
The *e*Focusing technology acquires multiple received beams from a single transmission and combines them to display a single image in real-time. The ARIETTA 750DI has evolved the *e*Focusing technology further by incorporating multiple frequencies to achieve high sensitivity, high contrast, and high spatial resolution.



Carving Imaging

Images with clearer demarcation are produced by our advanced image processing technology that enhances tissue structure, delivering stable imaging with less patient dependency.





Radiology

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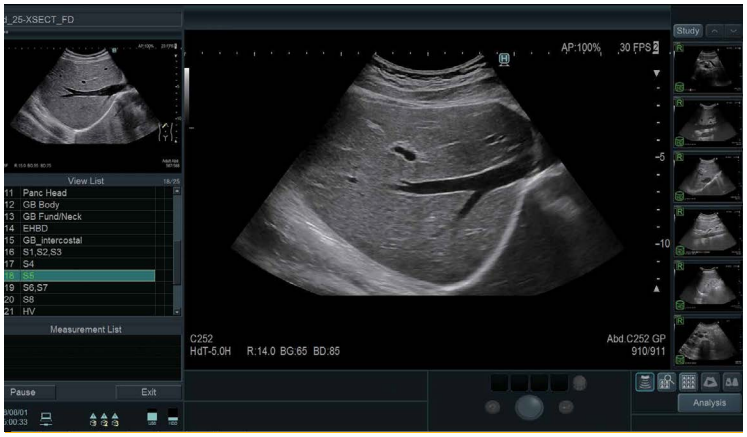
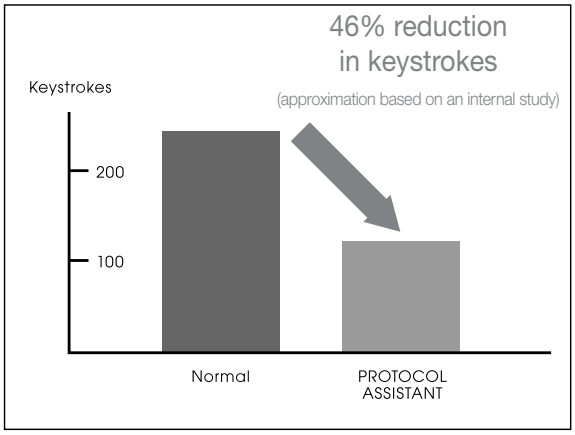
The DeepInsight technology powering ARIETTA 750DI provides improved clarity at depth, making it easier to visualize structures even in a difficult body habitus. A variety of efficiency tools based on automated image analysis and protocol-based operation accelerate the scanning process, automatically performing routine actions so the Sonographer does not have to.

SEAMLESS WORKFLOW

Protocol Assistant

The 750DI can learn any institution's scanning protocols and anticipate the user's next required view, providing the appropriate annotation, mode, and measurements without user interaction. This streamlines the scanning process and ensures standardization of protocols.





Advanced Workflow for Real-time Tissue Elastography (RTE)

HI Strain

HI Strain is an algorithm used to display an Elastography image more consistently than before. It is possible to display Elastography images with high continuity while maintaining temporal resolution and spatial resolution.

Auto Frame Selection (AFS)

Automatically selects and displays a frame of Elastography appropriate for diagnosis.

Assist Strain Ratio (ASR)

Automatically sets a ROI for Fat Lesion Ratio (FLR) and conducts a measurement.

Technology

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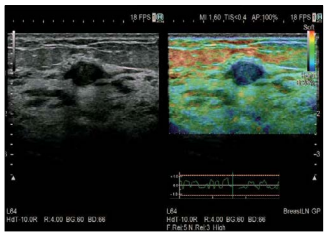
YOUR APPLICATION

Examination **Elastography**

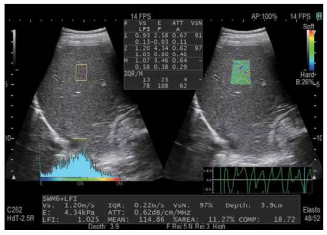
Real-time Tissue Elastography (RTE)

RTE assesses tissue strain in real time and displays the tissue stiffness as a color map. Its application has been validated in a wide variety of clinical fields.



Shear Wave Elastography (SWE)

SWE evaluates tissue stiffness by mapping the variable speed of shear waves through a region-of-interest. Quantitative measurements can be taken in kPa, each with a corresponding reliability index that analyzes data coherence and informs users if the measurement should be retaken.



iATT Measurement

Designed to assess and track the progression of liver steatosis, this measurement determines the attenuation coefficient of the ultrasound beam as it travels through the liver and provides an index relating to the presence of hepatic fat. It can be performed simultaneously with a Shear Wave Measurement, providing information on both fibrosis and steatosis with the single push of a button.

Contrast Harmonic Imaging (CHI)

Contrast enhanced ultrasound is used for the characterization of liver lesions in both adult and pediatric patients. High definition and high contrast imaging is realized by the Variable Beamformer and high sensitivity transducers.

Detective Flow Imaging (DFI)

DFI is a new imaging technology for visualization of low velocity blood flow. DFI is able to depict vasculature at velocities below the previous detection threshold[1]. The unique algorithm displays fine blood flow with greater resolution and sensitivity.

Fujifilm Healthcare has been at the forefront of technology and product developments, responding to the challenges of users, throughout their history, since the birth of diagnostic ultrasound imaging.

An ultrasound system is an indispensable diagnostic tool in numerous medical fields, and can even provide advanced imaging support in surgical environments.

Fujifilm Healthcare's ultrasound systems are designed to meet the ever-increasing expectations for precision in image quality, efficiency of examination and accuracy in diagnosis.

Visualize

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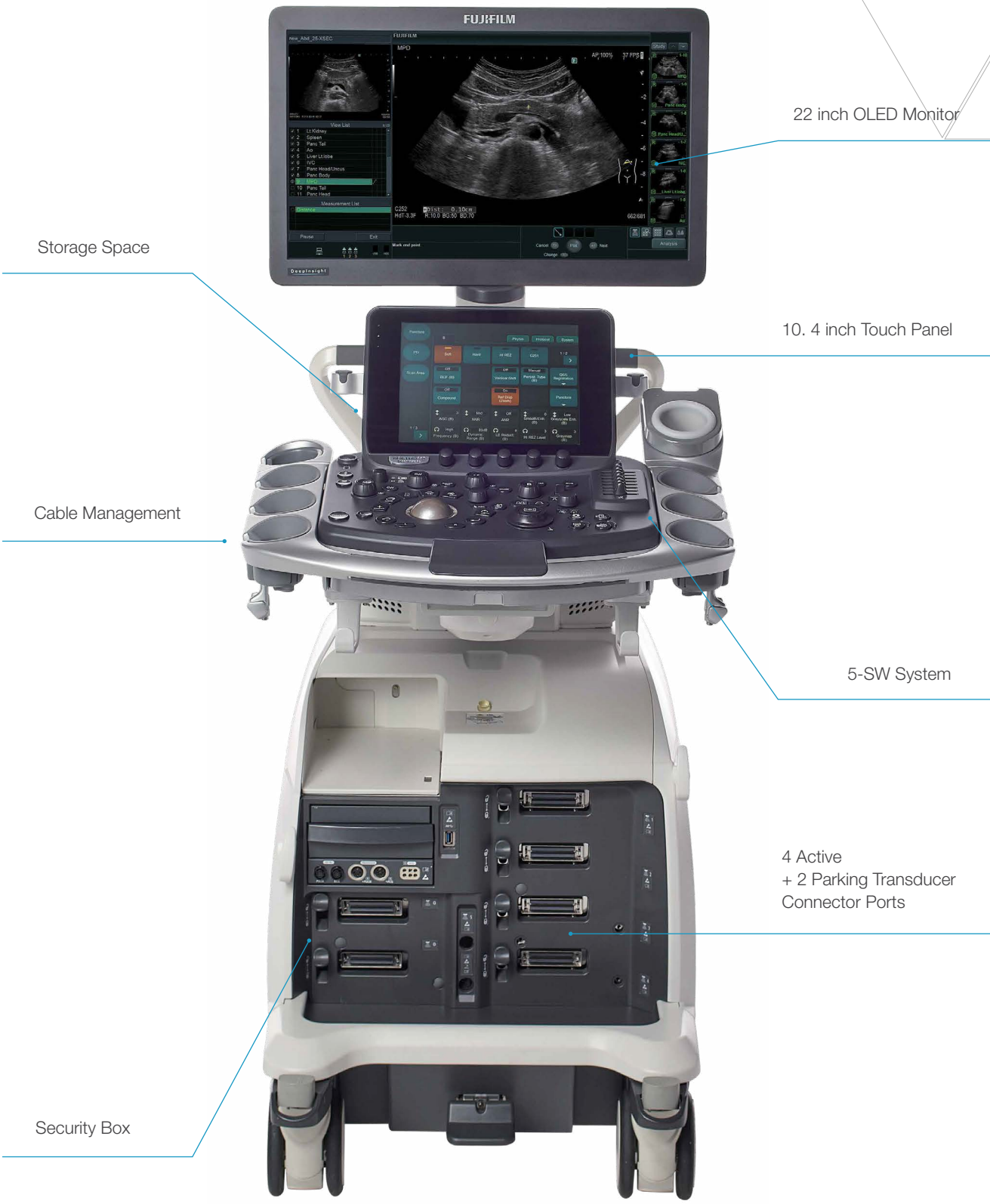


Innovating for a healthier world

Fujifilm transformed its corporate structure for growth by expanding beyond the traditional photographic film business to six priority business fields, including healthcare – ranging from diagnostic imaging to regenerative medicine.

Our R&D innovations over the decades find us today with highly specialized expertise in increasingly relevant technologies that inform modern healthcare.

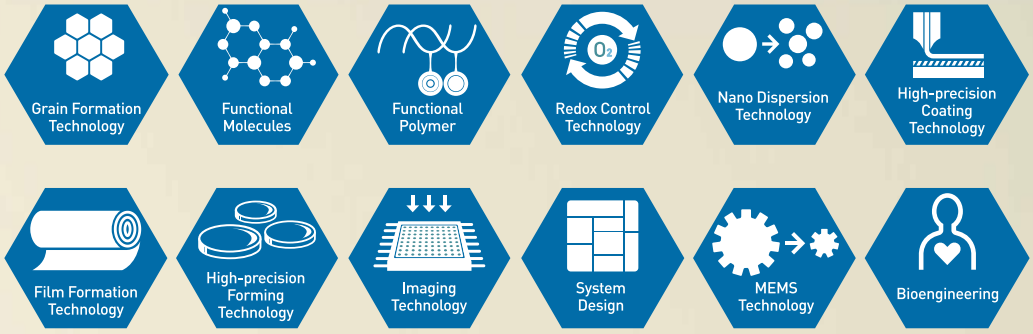
For over 80 years Fujifilm has continually invested in research and development resulting in world-class, highly versatile fundamental core technologies.

These technologies and knowledge were accumulated in the photographic film business. Today this expertise allows Fujifilm to design and innovate new products and services for diverse businesses that will shape the future for Fujifilm.

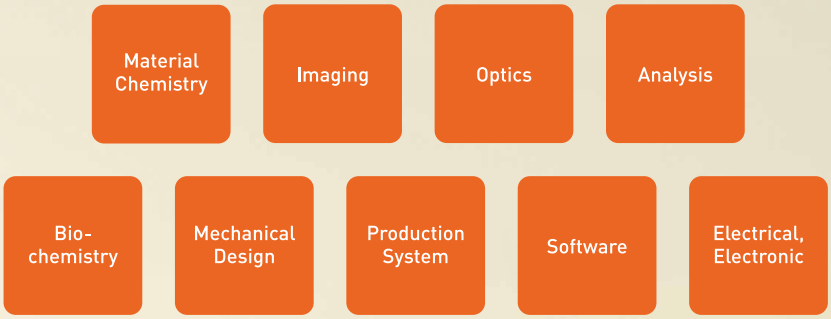
We describe this birth of new applications and technologies from Fujifilm's extraordinary background of innovation as leveraging fundamental core technologies.

Innovation

CORE TECHNOLOGIES



FUNDAMENTAL TECHNOLOGIES



All of these diagnostic and therapeutic technologies form a highly connected, holistic approach to healthcare, with the goal of helping patients along the entire care pathway, from the earliest diagnosis right through to the development of new regenerative treatments.

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