

FUJIFILM

Value from Innovation

— Ultrasound —

ARIETTA 750

RADIOLOGY



the new vision for radiological ultrasound



Visualize

Today's Radiologists need advanced diagnostic ultrasound systems featuring high-level performance, but they also need those systems at flexible prices. Introducing Fujifilm's ARIETTA 750, a system that inherits its premium acquisition techniques and advanced Variable Beamformer from costlier ARIETTA platforms.

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

ARIETTA 750

RADIOLOGY



23 inch LCD Monitor

Storage Space

10.4 inch Touch Panel

Cable Management

5-SW System

4 Active
+ 2 Parking Transducer
Connector Ports

Security Box

Insight

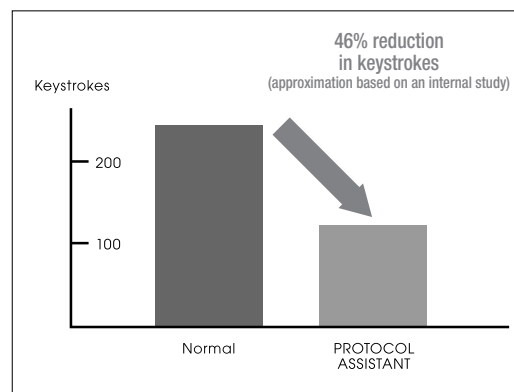
Radiology

The ARIETTA 750 offers an array of advanced imaging techniques combined with a variety of efficiency tools based on automated image analysis and protocol-based operation.

SEAMLESS WORKFLOW

Protocol Assistant

The 750SE 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.

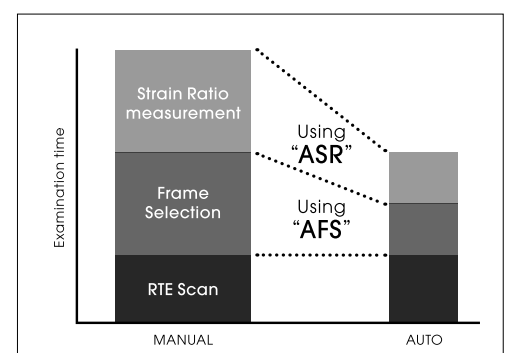
Assist Strain Ratio (ASR)

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

iVascular Doppler Optimization

750 assists clinicians during Doppler scanning by automatically setting scan parameters like cursor position, angle correction, and sample volume size with the touch of a button. iVascular can be tailored to your needs by customizing the parameters to be optimized.

[Automation of Measurement]



ARIETTA 750

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YOUR APPLICATION

Examination Elastography

Real-time Tissue Elastography (RTE)

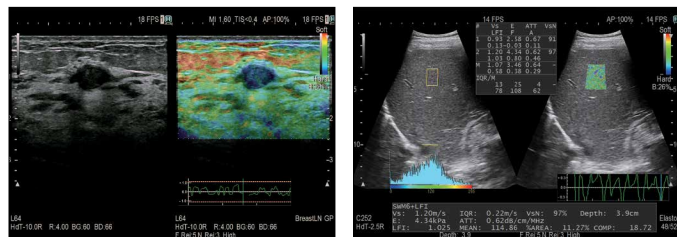
RTE assesses tissue strain in real time and displays the tissue stiffness as a color map. Its application has been validated in a wide variety of clinical fields.

Shear Wave Measurement (SWM)

It is possible to evaluate tissue stiffness by generating shear waves and measuring V_s , its propagation velocity in the tissue. Combi-Elasto, which integrates RTE and SWM, can be used for cases which are difficult to diagnose though only using SWM.

ATT (Attenuation)

A function to measure the attenuation coefficient generated by of ultrasound propagation through tissue. The degree of steatosis can be estimated from the size of the coefficient. Its measurement is conducted simultaneously with SWM, and it can be conducted as an extension of B mode examination.



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 sensitivity contrast imaging is realized by 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 threshold¹. The unique algorithm displays fine blood flow with greater resolution and sensitivity.



Treatment Real-time Virtual Sonography (RVS)

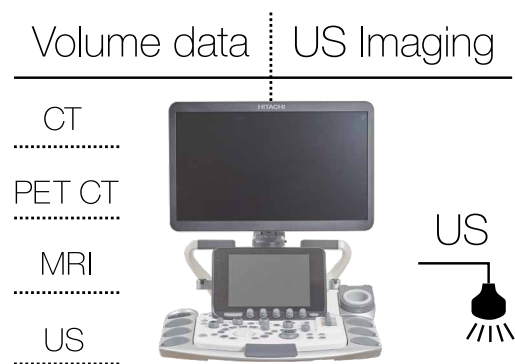
MPR images constructed from CT/MRI/PET-CT volume data can be synchronized to real-time ultrasound imaging. It is applied in a wide variety of clinical fields: such as for abdomen, breast and prostate biopsy guidance.

Body Motion Tracking

The omniTRAX Active Patient Tracker (manufactured by CIVCO) facilitates registration of fused images when used at the time of CT/MR image acquisition and adjusts for motion when small changes in the patient's position are detected during the RVS examination.

Needle Tracking

VirtuTRAX Bracket (manufactured by CIVCO) can track and display the needle tip location during RFA.



¹ Compared to Fujifilm's previous ultrasound models

Advanced

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.

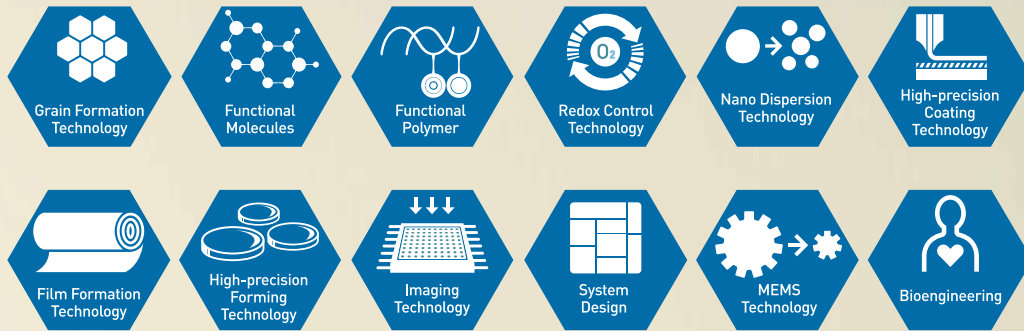
These technologies and knowledge were accumulated in the photographic film business. Today this expertise allows Fujifilm to design and innovate new products and services for diverse businesses that will shape the future for Fujifilm.

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

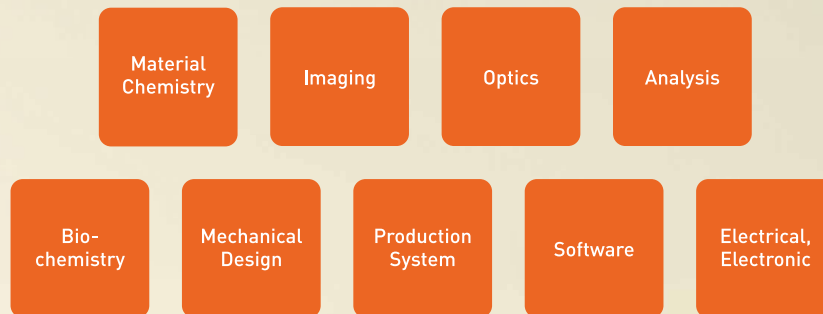


Innovation

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.

**NEVER
STOP**



ARIETTA 750

RADIOLOGY

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