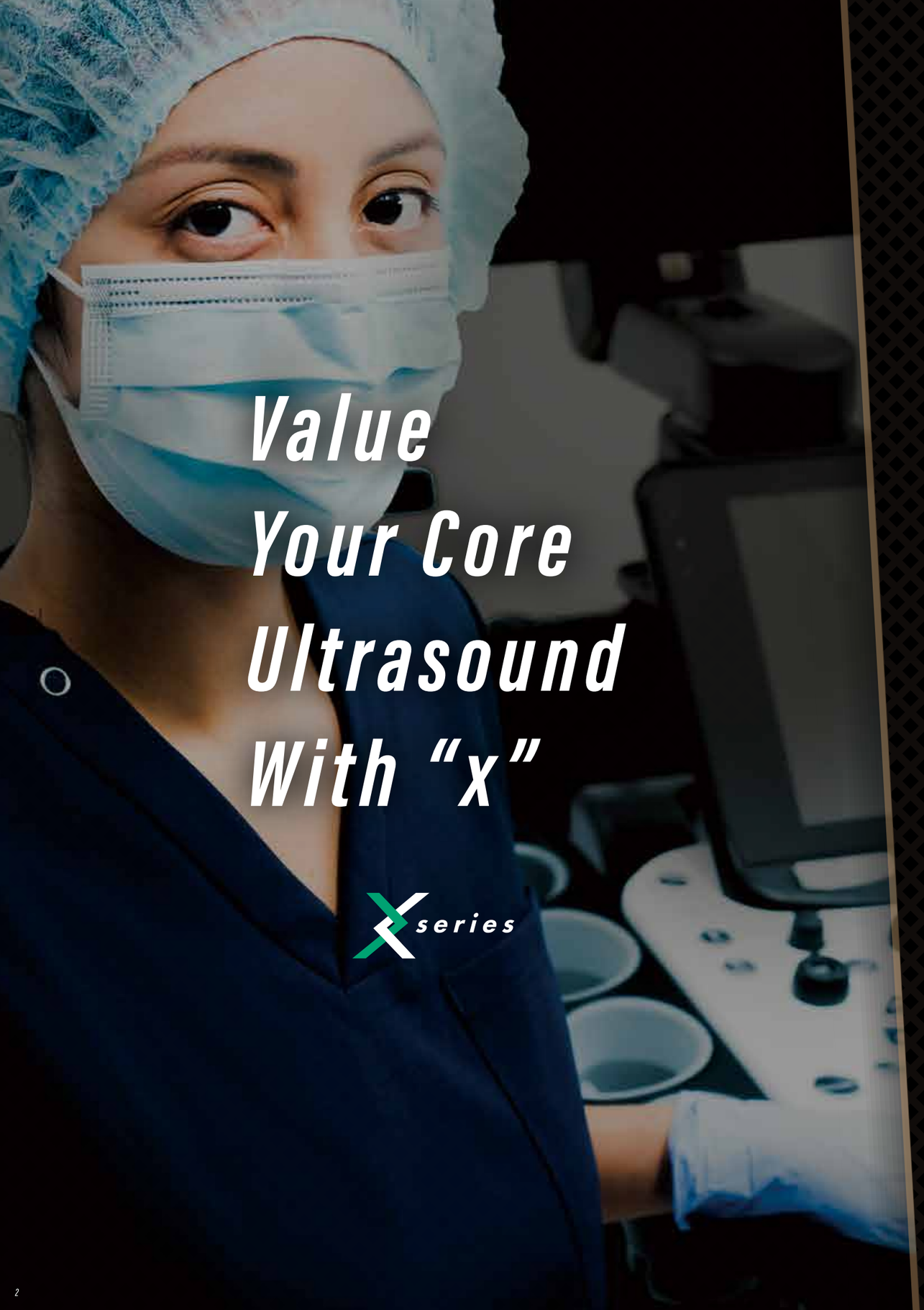
FUJIFILM
Value from Innovation

ARIETTA 750 DeepInsight x

REiLI



Value Your Core

Ultrasound With “x”

x series

IMAGE QUALITY

DeepInsight Technology

eFocusing PLUS

Carving Imaging

Detective Flow Imaging (DFI)

WORKFLOW

iRecognize

Auto Optimizer

Protocol Assistant

TRANSDUCERS

L52H Hockey Stick Transducer

C421 Micro Convex Transducer

L35 Linear Transducer

RADIOLOGY

iATT

- Steatosis Backscatter Index (SBSI)

Shear Wave Measurement (SWM)

Contrast Harmonic Imaging (CHI)

REAL-TIME VIRTUAL SONOGRAPHY

Real-time Virtual Sonography (RVS)

- DICOM Q/R Auto Search

- Active Registration
- Powered Anatomy
- 3D Sim-Navigator/E-field Simulator
- Body Motion Tracking
- Needle Tracking

C23RV/C23 Micro Convex Transducer

SURGERY

L43LAP Laparoscopic Linear Transducer

L51K/L43K Intraoperative transducer

C42T Intraoperative transducer

WOMEN’S HEALTH

Data Coordination with Mammography

Real-time Tissue Elastography (RTE)

- Auto Frame Selection (AFS)
- Assist Strain Ratio (ASR)

CARDIOVASCULAR

i2DTT

iDGD

iVascular

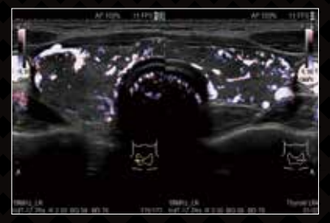
ERGONOMIC DESIGN

ARIETTA 750 DeepInsight x

Experience high-definition imaging powered by DeepInsight technology, along with advanced applications that elevate examination performance and streamline workflow. The ARIETTA 750 DeepInsight x integrates today’s advanced features to support productivity in ultrasound examinations across highly specialized clinical fields.

IMAGE QUALITY

In addition to enhancing spatial and contrast resolution, the ARIETTA 750 DeepInsight x incorporates advanced imaging technologies to consistently deliver clear, high-quality images across the entire screen.

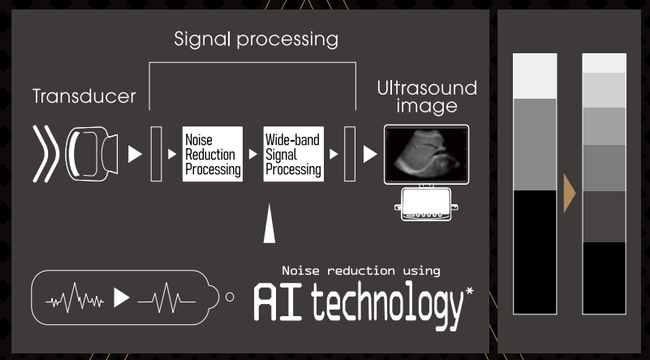


Three Advanced Technologies for Superior Image Quality

1 DeepInsight Technology

REiLI

Achieve high image visibility through rich gradation expression



2 eFocusing PLUS

Ensure uniform image extraction across the entire screen

3 Carving Imaging

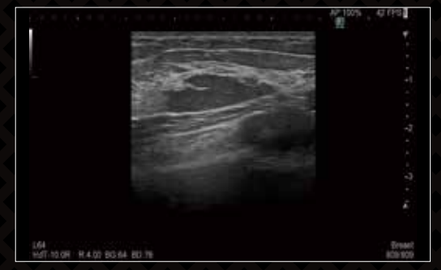
Emphasize the tissue structure keeping the tissue expression and texture

* The technology was developed and designed using deep learning, one of AI technologies. The performance and accuracy of the system does not automatically change after activation.

DeepInsight Technology ／eFocusing PLUS ／Carving Imaging
OFF

DeepInsight Technology ／eFocusing PLUS ／Carving Imaging
ON

DeepInsight Technology ／eFocusing PLUS ／Carving Imaging
OFF

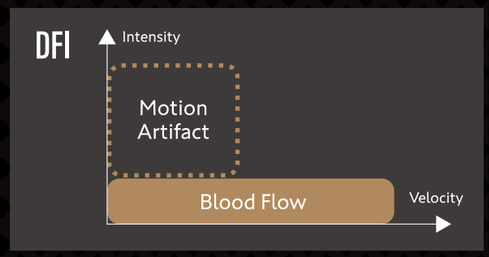


DeepInsight Technology ／eFocusing PLUS ／Carving Imaging
ON

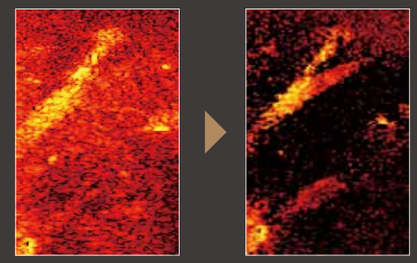
Detective Flow Imaging (DFI)

Balance the flow sensitivity and the suppression of body motion noise

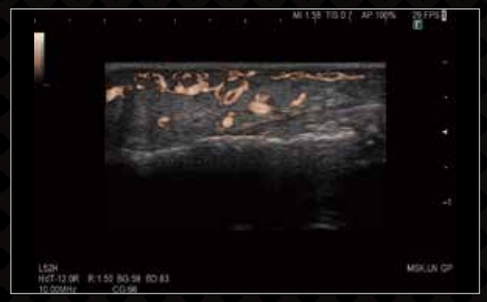
Works with Wall Motion Reduction PLUS to selectively suppress body motion noise, enabling high-sensitivity and high-visibility imaging. Noise reduction is dynamically applied based on the motion level of each body part.



Wall Motion Reduction PLUS



Judge the scattering of signal intensity to reduce noise



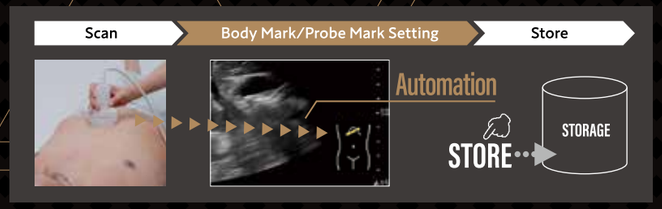
WORKFLOW

iRecognize*1*2

REiLI

Automatic Body Mark/Probe Mark placement

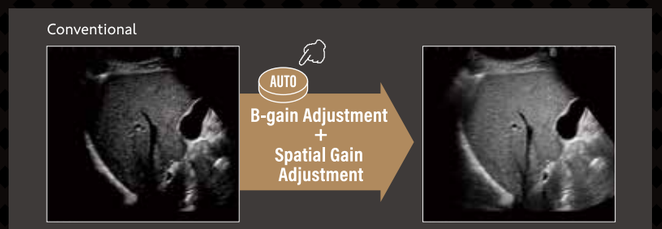
During abdominal examinations, the scanning plane is automatically recognized, and Body Mark/Probe Mark are set upon pressing the freeze button.



Auto Optimizer

Reduce the effort required for gain adjustment.

Auto Optimizer continuously adjusts gain in real time to maintain consistent image clarity—even when the scanning plane changes. This contributes to smoother, more efficient examinations.



Protocol Assistant

Streamline examinations by registering procedures and conditions in advance.

Button operations are significantly reduced, supporting a more efficient workflow. Additionally, the Guide View function allows reference images to be displayed, enhancing consistency and accuracy during scanning.

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＊2 The results of automated function need the confirmation of an examiner. The results can be modified manually as needed.

TRANSDUCERS

L52H High Frequency Hockey Stick Transducer

Flexible operation in any area

The versatile shape fits a variety of grips, and the high-frequency technology delivers high image quality in various areas. Supports DFI, enabling detailed blood flow display.


C421 Micro Convex Transducer

Reliable performance with an ergonomic, easy-to-scan design

DeepInsight technology and *e*Focusing PLUS deliver both exceptional image quality and intuitive operation. With Wide Scanning, the viewing angle is expanded without compromising frame rate performance.


L35 Linear Transducer

Enhancing Tissue Structure Visibility

The L35 linear transducer delivers high contrast resolution for clearer imaging of fine tissue structures. By utilizing single crystal technology and a matrix structure, it achieves improved penetration and enhanced tissue visibility.


iATT

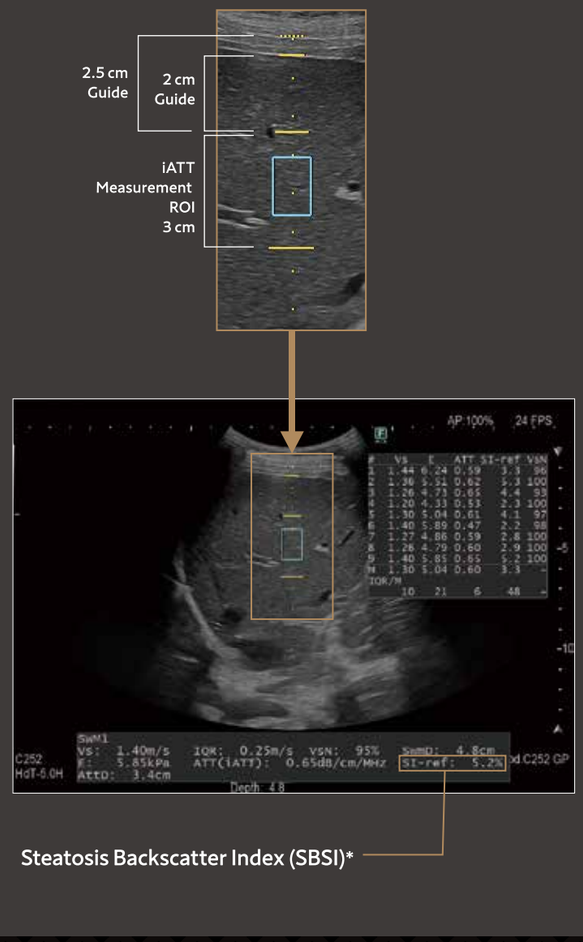
Estimation of Hepatic Steatosis

The system displays ATT (Attenuation) index to estimate the degree of hepatic steatosis. To ensure measurement accuracy, multiple reflections from the body surface can be excluded, and ROI depth can be aligned with World Federation for Ultrasound in Medicine and Biology (WFUMB) guidelines, supporting consistent and reproducible results.

Steatosis Backscatter Index (SBSI)*

Diagnostic index that incorporates the backscatter coefficient and signal variation, in addition to ATT (Attenuation).

Adjustable ROI position



* Index of liver steatosis is for reference purposes only and is not intended for diagnostic use.

Shear Wave Measurement (SWM)

Tissue Stiffness Evaluation with SWM

SWM assesses tissue stiffness by calculating Vs, the shear wave propagation velocity. To ensure measurement reliability, it also provides a VsN indicator, supporting confident clinical decision-making.

Contrast Harmonic Imaging (CHI)

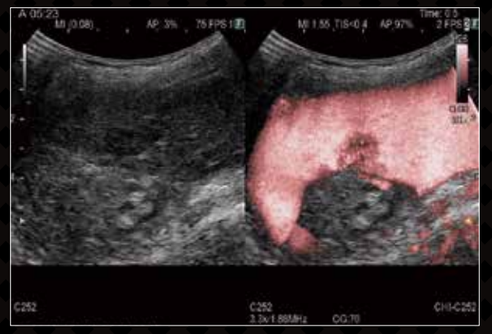
Support for Target Detection and Differential Diagnosis

Focus dependency is reduced by using eFocusing technology, therefore homogenous contrast image can be acquired from near to far filed. Various contrast enhancement methods are supported, and they can be switched by single press of a button without interrupting the examination flow.

Low-MI

Pulse Inversion (PI)

Amplitude Modulation (AM)



CHI-eFLOW

Real-time Virtual Sonography (RVS)

RVS enables real-time fusion of ultrasound images with images from other modalities.

This allows direct comparison of lesions, leveraging the strengths of each imaging technique.

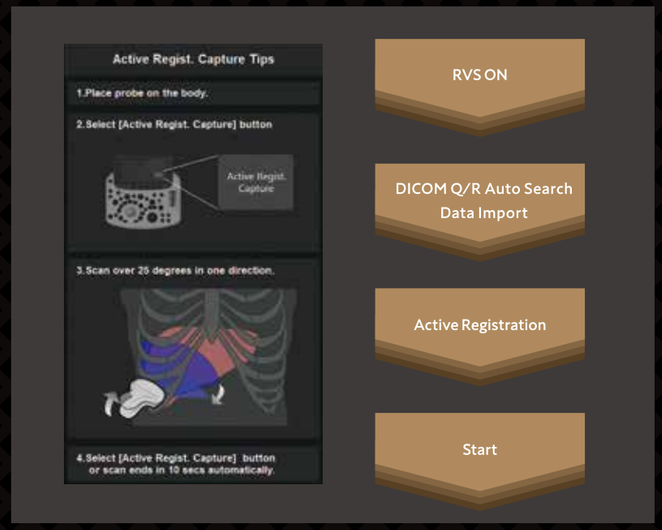
Virtual Image　　US Image

DICOM Q/R Auto Search Active Registraion*1*2

REiLI

Automated workflows are expected to simplify image alignment

After RVS startup, volume data search and ultrasound–virtual image alignment are performed automatically, minimizingreducing manual steps. A guidance display is also provided to support users throughout the process, ensuring a smooth and intuitive experience.



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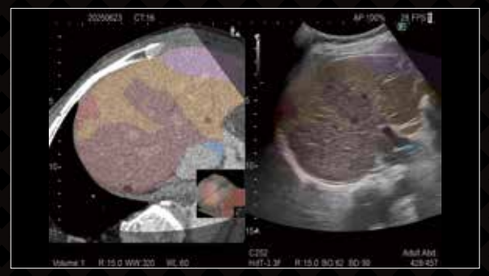
Powered Anatomy*1

REiLI

Supporting Spatial Understanding

A region-classified reference image—generated through brightness analysis of CT data—is superimposed onto the virtual or ultrasound image.



3D Sim-Navigator/E-field Simulator

Estimate the puncture route based on target's shape

The spatial relationship between multiple electrodes (needles) and the target is visualized in 3D. Additionally, the electric field generated by radio waves—determined by electrode arrangement—can be superimposed onto CT or MRI images.

Body Motion Tracking

The omniTRAX Active Patient Tracker (manufactured by CIVCO) and the magnetic sensor keep the synchronization status of fused imageseven in case of misalignment by patient position change during CT/MR acquisition.

Needle Tracking

The VirtuTRAX Bracket (manufactured by CIVCO) and the magnetic sensor enablehe tracking and display of the needle tip location during RFA. Additionally, the ARIETTA 750 DeepInsight x upports the function to correct needle tip displacement caused by needle bending and display it.

C23RV/C23 Micro Convex Transducer

Versatile support from routine to detailed examinations

The adoption of single crystal technology and an appropriate design --including a heat dissipation structure --is aimed to deliver the image quality comparable to our standard convex transducers and less stressful operation together.

L43LAP Laparoscopic Linear Transducer

Flexible operability and support for puncture and ablation

Designed with a short-curvature mechanism inspired by endoscopic technology, the L43LAP is expected to offer superior operability for more efficient examinations. It is also equipped with two puncture notches to support precise puncture and ablation procedures.

L51K/L43K Intraoperative Transducer

Compact, User-Friendly Design for Surgical Support

Specifically designed for robotic-assisted surgeries in two different functional length. The flat contact surface delivers clear imaging - even on uneven organ surfaces. Also compatible with a wide range of laparoscopic forceps for stabler handling.

C42T Intraoperative Transducer

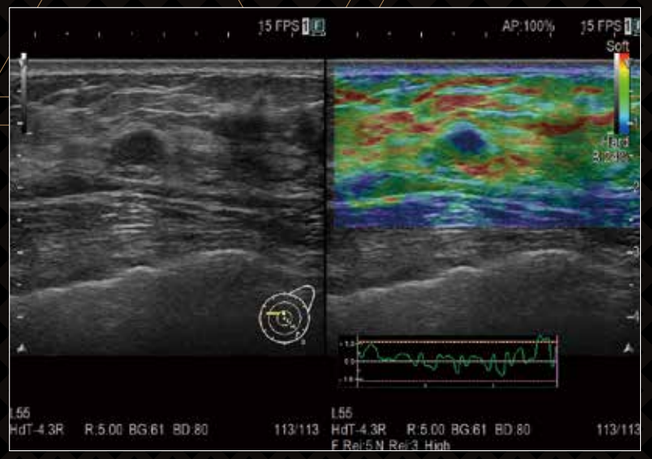
Combining High-Definition Imaging with Stable Scanning

Ergonomically designed to be comfortably held between the fingertips, the C42T enables steady and precise scanning during procedures. Equipped with advanced imaging technologies such as DeepInsight, it delivers clear, high-definition images across a wide range of clinical scenarios.

Real-time Tissue Elastography (RTE)

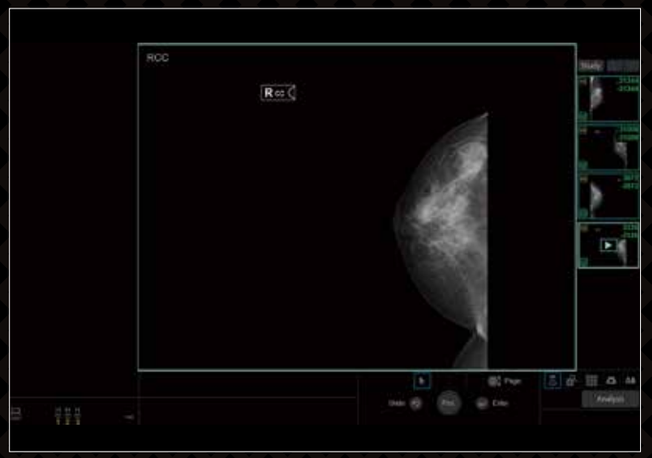
Real-time color display of tissue elasticity

In breast imaging, a series of operations - from selecting the appropriate measurement frame to initiating FLR (Fat Region Ratio) analysis - can be performed automatically, enabling easy and reproducible evaluations.



Data Coordination with Mammography

Mammography data can be viewed directly on the ultrasound system, reducing the need to move between devices during an examination. This integration helps maintain workflow continuity and is expected to streamline examinations.



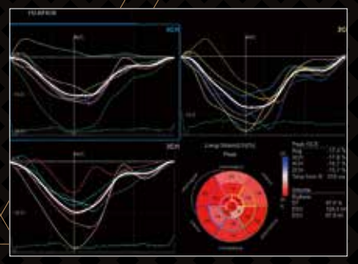
CARDIOVASCULAR

i2DTT*1

REiLI

Smooth workflow is expected to achieve faster measurement time

The operation flow is aligned with the examination process, enabling efficient and seamless procedures. The advanced i2DTT function allows simultaneous analysis of two-, three-, and four-chamber images, is expected to reduce overall measurement time.

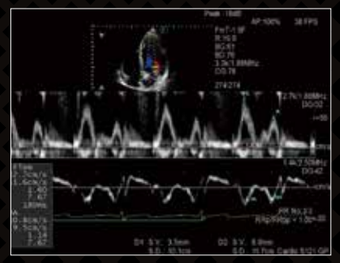


iDGD*1*2

REiLI

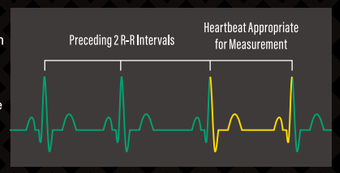
Support cardiovascular measurement with automation features and measurement

The system automatically measures E/e'-an index of left ventricular diastolic function-when using Dual Gate Doppler. Combined with the R-R Navigation function, it also automatically detects heartbeats suitable for measurement.



Measurement support functions*1

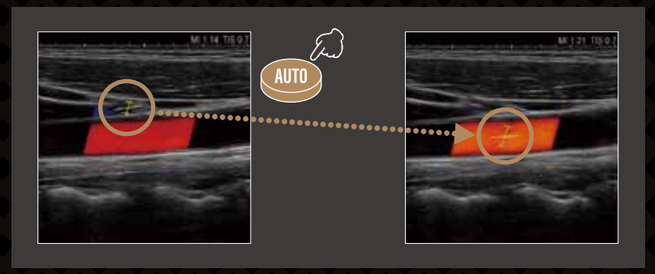
- Doppler Cursor Assist: Automatically detects the sample gate location to simplify Doppler cursor placement.
- Automatic Measurement: Performs EF (Ejection Fraction) measurement automatically-an essential index for evaluating cardiac function.
- Beat Mode: Automatically detects End-Diastole (ED) and End-Systole (ES) phases.
- R-R Navigation: Automatically identifies stable R-R intervals. Stability is defined by an interval ratio of approximately 1 between the preceding (RRp) and pre-preceding (RRpp) R-R intervals.



iVascular

Streamlined Doppler Measurement Support

During vascular examinations, settings such as the Color ROI position and cursor can be configured with a single click. This enables smooth transitions to subsequent Doppler measurements.



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ERGONOMIC DESIGN

Appearance

10.4inch Touch Panel

23.8 inch LCD

Cable Assist Hook

Control Panel

ARIETTA 750 DeepInsight x

- External appearance and specifications are subject to change without notice.
- All products require the regulatory approval of the importing countries/regions.
- For details on their availability, contact our local representative.
- For proper use of the system, be sure to read the operating manual prior to placing it into service.
- FUJIFILM and FUJIFILM logo are registered trademarks or trademarks of FUJIFILM Corporation.
- The company names, product names and other names described in this brochure are trademarks or registered trademarks of FUJIFILM Corporation or its subsidiaries.
- ARIETTA 750 DeepInsight x is one of the ARIETTA 750 series.
- Fujifilm has been developing AI technologies that can be used for medical image diagnosis support, medical workflow support, and maintenance services for medical equipment, and is developing technologies that can be used in these areas under the brand name "REiLI".
- The "REiLI" marked features described in this brochure were developed and designed using machine learning or Deep Learning, which are parts of AI technology. The performance and accuracy of the system do not automatically change after implementation.

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