



Focus & Fusion

Finus 55

Ultrasound Diagnostic System

Reliable and Intelligent



Finus 55

Finus 55's unique imaging technologies and transducer technology provide users with detailed images to enhance their diagnosis confidence.

High-definition Monitor
15.6 inch LCD monitor for better visualization

Magnesium Shell
Equipped with Magnesium alloy shell for better protection

Probe Extender
Compact connectors for three active probes on trolley

Built-in Battery
Built-in battery for scanning

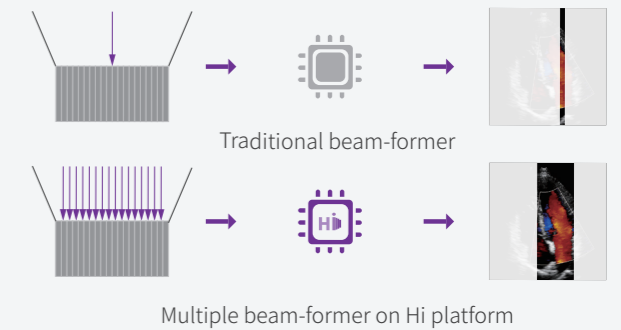
Storage Shelves
Storage shelves for users to place their daily-used objects



Advanced Platform

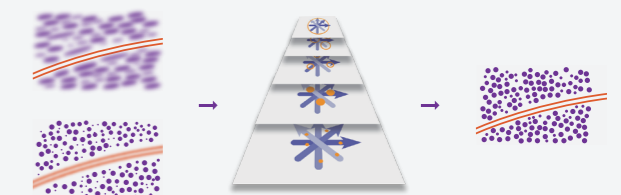
Hi Platform

With massive data and lateral coherent beam reconstruction algorithm, it can obtain high frame rate and high resolution images.



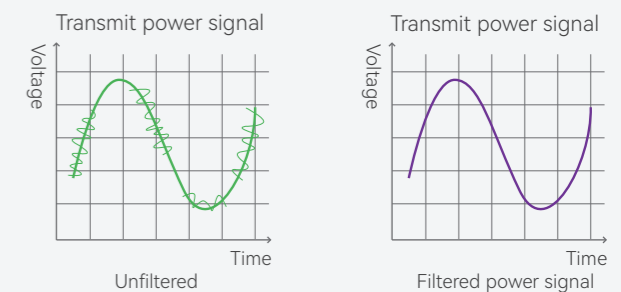
SNS+

Automatically detect and suppress the speckle noise based on multi-dimension algorithm. Acquire and enhance tissue details from different directions, easily capture sub-millimeter level lesion or large organ boarder.



OMG Original Mag Guard

The electromagnetic guard processing of whole system is to prevent the ultrasonic signal from electromagnetic interference during the transmission process, to ensure the stability of the signal transmission, so as to obtain a clearer image.





Transducers

Finus 55 supports a wide range of transducers for different applications, including convex, linear, phased-array, intracavitary, XDiamond™ transducers, etc. With Focus & Fusion's unique BTM transducer technique, the performance goes beyond users' expectations.



Linear L12-4

Applications: Small parts, Vascular, MSK



HD Linear L13-3

Applications: Small parts, Vascular, MSK, Breast



Linear L17-5

Applications: Small parts, Vascular, MSK



Convex C5-1

Applications: Abdomen, Obstetrics, Gynecology



Phased Array P5-2

Applications: Cardiology, Abdomen, TCD



Phased Array P8-2

Applications: Abdomen, Pediatric cardiology

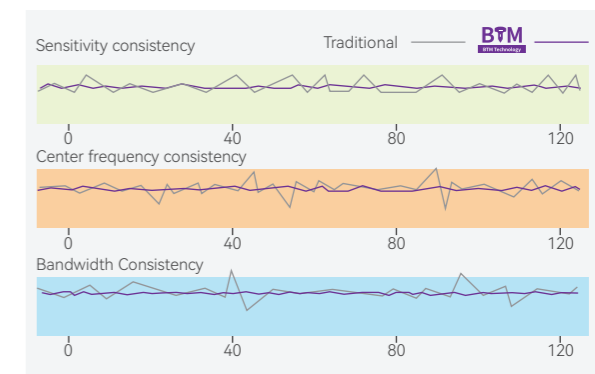
BTM

BTM Technology

Unique BTM platform and precisely controlled process of transducer manufacturing

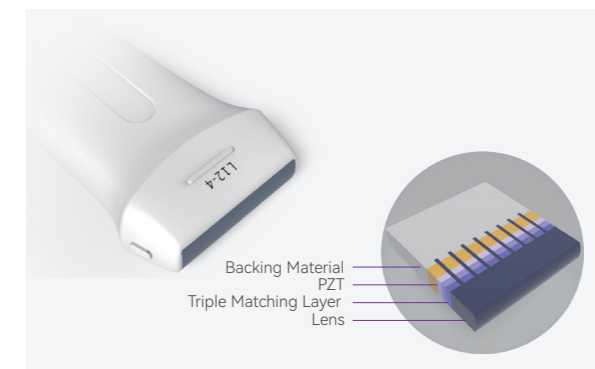
Bonding technique

By uniform bonding process, adhesive to interconnect ceramic and lead is well controlled (max thickness: 1μm) to improve performance uniformity among elements.



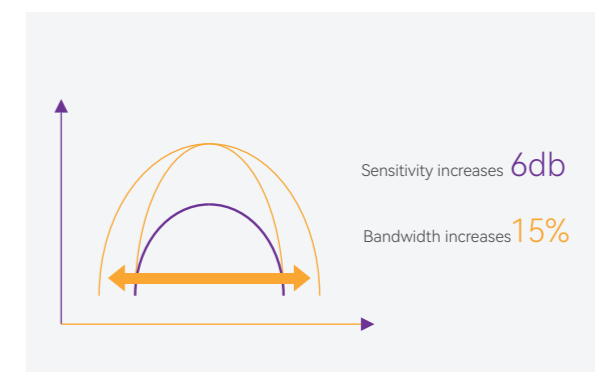
Triple matching layers

Higher sensitivity and wider bandwidth can be achieved through triple matching layers.

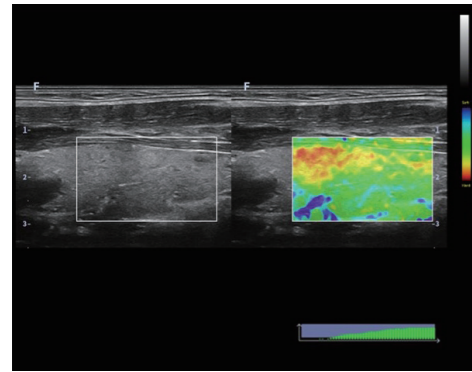


Micro-elements cutting

By micro-elements cutting, one element is cut into several sub-elements to increase sensitivity and bandwidth of transducer.



Advanced Functions

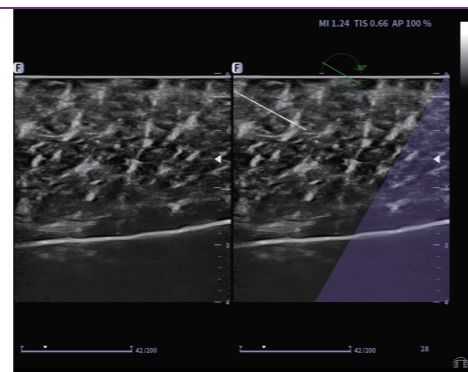


Elastography

Real time elastography is a new noninvasive and painless technique that can help determine the hardness of organs and other structures such as breast, thyroid. Elastic imaging provides users with dynamic visual information and displays the rigidity of organs, which is helpful for direct and quantitative diagnosis and treatment.

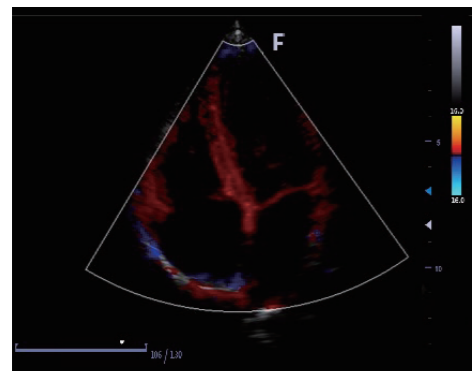
eBiopsy

Based on the accurate ultrasonic beam steering and image fusion technology, the needle body can be enhanced to the greatest extent, which can effectively guide doctors to perform puncture operations.



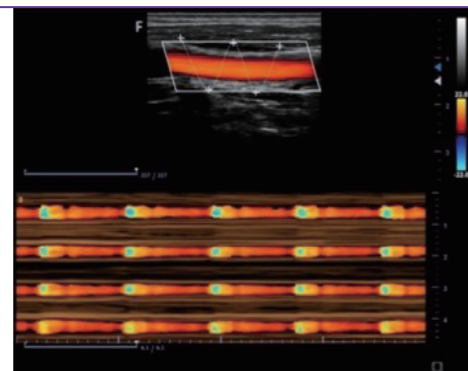
Tissue Doppler Imaging

Tissue Doppler Imaging (TDI) is a robust and reproducible echocardiographic tool that employs the Doppler effect to assess muscle wall characteristics throughout the cardiac cycle including velocity, displacement, deformation, and event timings. It has permitted a quantitative assessment of both global and regional function and timing of myocardial events.

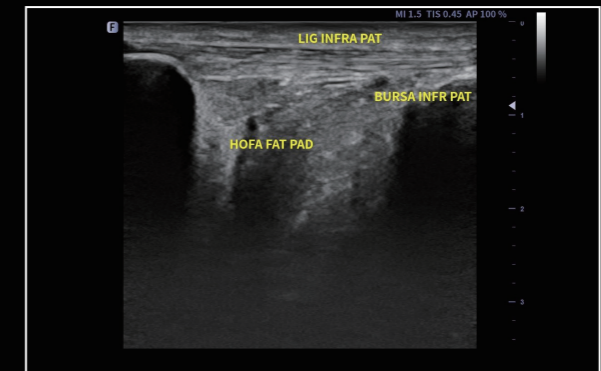
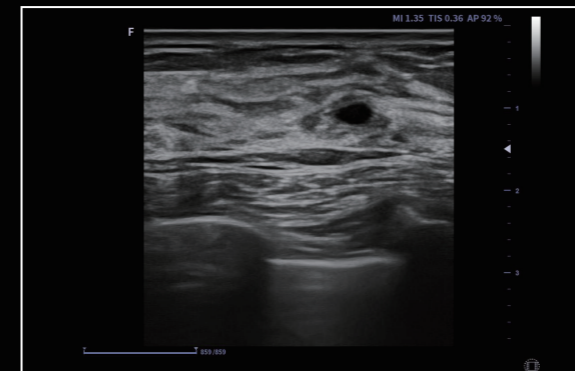
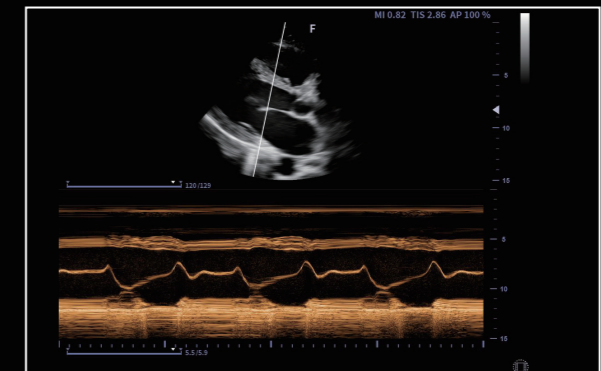
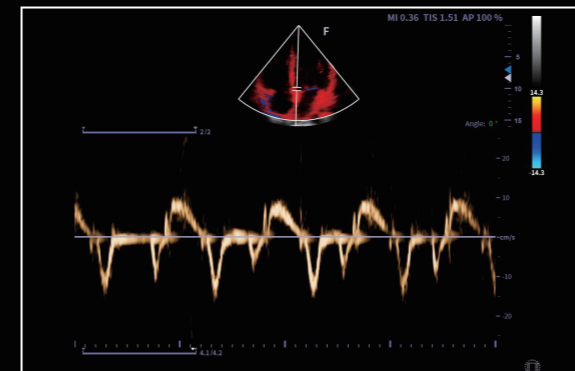
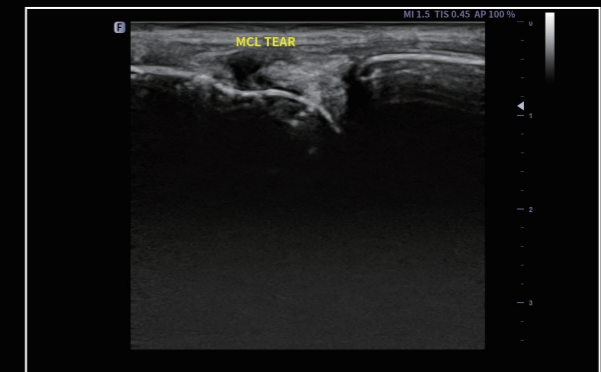
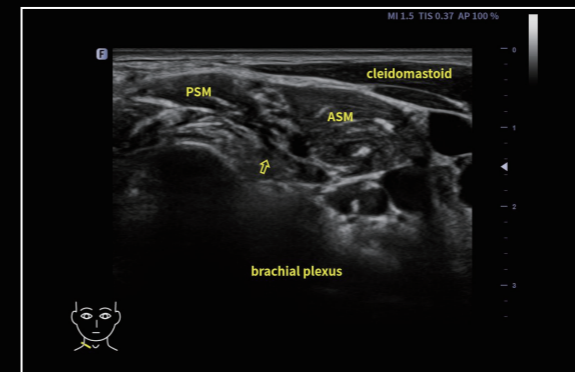
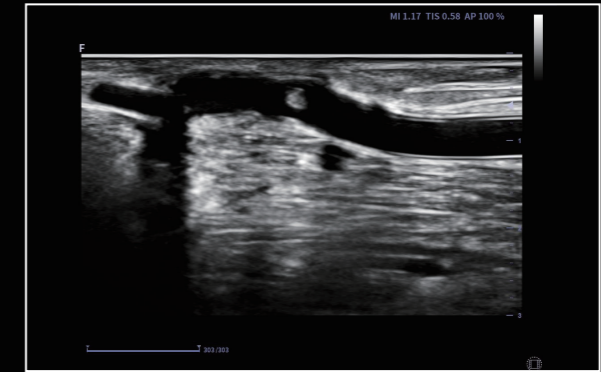
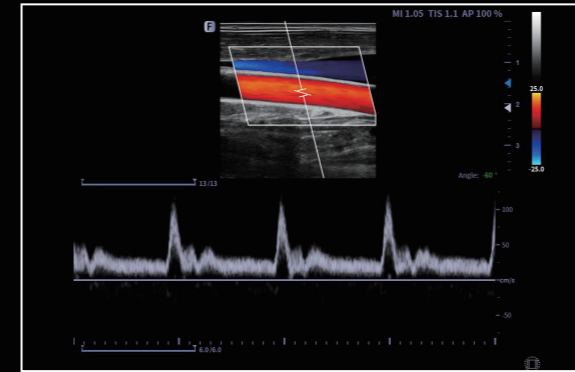


Curved AM

Curved Anatomical M-Mode (CAM) technology can show all the spatial and temporal relationship of myocardial segment movements during the cardiac cycle in the scanning sector, which provides a new measurement method to quantitatively analyze the abnormalities of segmental myocardial motion during systolic or diastolic period.



Excellent Clinical Images





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