



Focus & Fusion

Finus 50

Ultrasound Diagnostic System

Reliable and Intelligent



Finus 50

Finus 50's unique imaging technologies and transducer technology provide users with detailed images to enhance their diagnosis confidence.



High-definition Monitor
15.6 inch 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

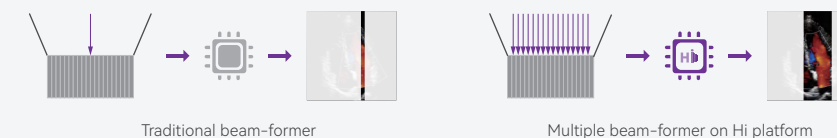
Storage Shelves
Storage shelves for users to place their daily-used objects



Advanced Platform

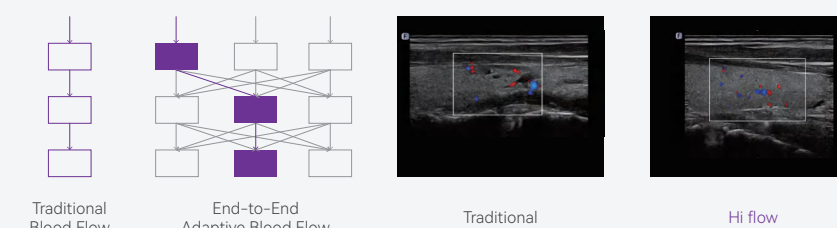
Hi Platform

"Hyper Imaging" is the 2nd generation beam forming technology. Multiple frames are acquired on every launch sequence for more detailed information.



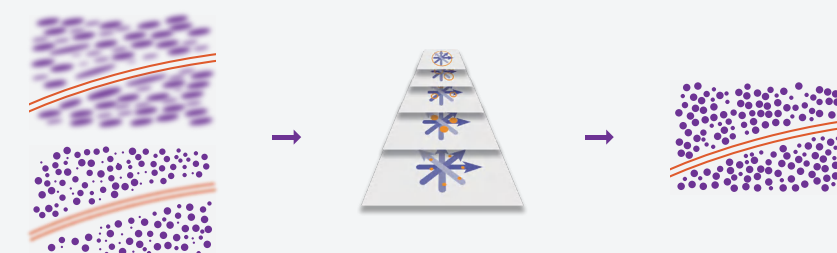
Hi Flow

Hi Flow uses the end-to-end adaptive blood flow algorithm, which can automatically choose the optimal data combination way after multiple times calculation, greatly improve the overall performance of blood flow.



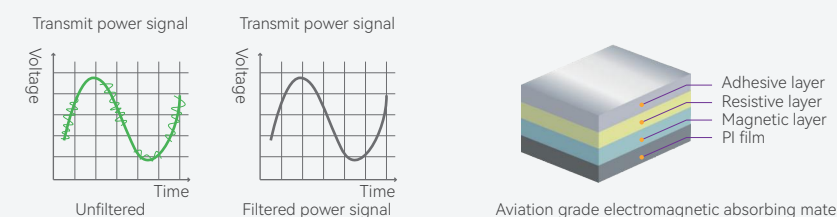
SNS+

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 50 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.



Convex C5-1
Applications: Abdomen, Obstetrics, Gynecology



Micro-convex MC10-3
Applications: Pediatrics, Cardiology



Intracavitary EC9-4
Applications: Obstetrics, Gynecology, Urology



Linear L12-4
Applications: Small parts, Vascular, MSK



Linear L17-5
Applications: Small parts, Vascular, MSK



HD Linear L13-3
Applications: Small parts, Vascular, MSK, Breast



Phased Array P5-2
Applications: Cardiology, Abdomen, TCD



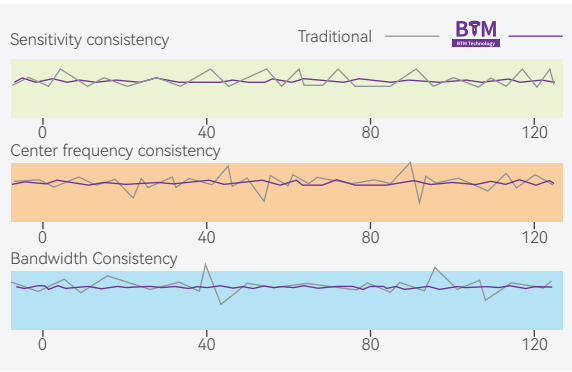
Phased Array P8-2
Applications: Abdomen, Pediatric cardiology



Unique BTM platform and precisely controlled process of transducer manufacturing

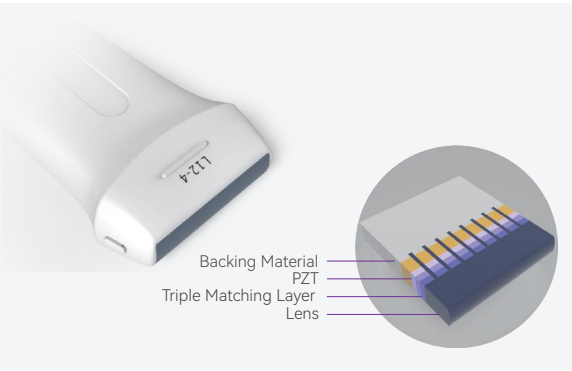
Bonding technique

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



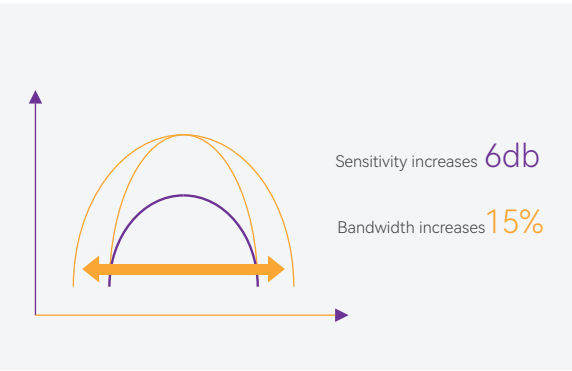
Triple matching layers

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

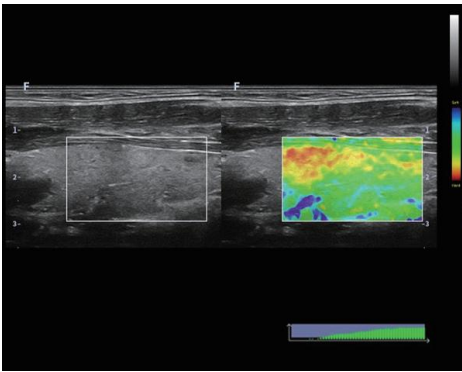


Micro-elements cutting

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



Advanced Functions

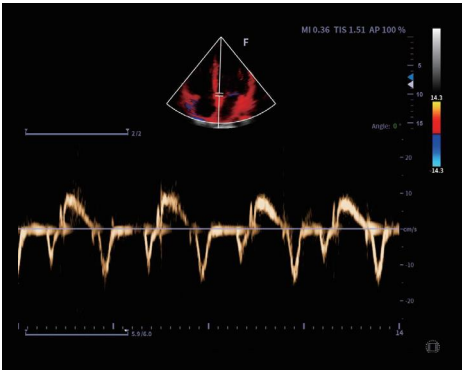
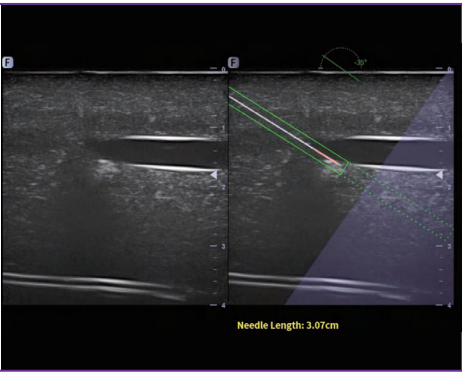


Elastography

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+

The image of the puncture needle is enhanced by the deflection of the acoustic beam, including needle enhancement, needle tip red rendering, virtual needle passage and scale line, supporting auto steering.

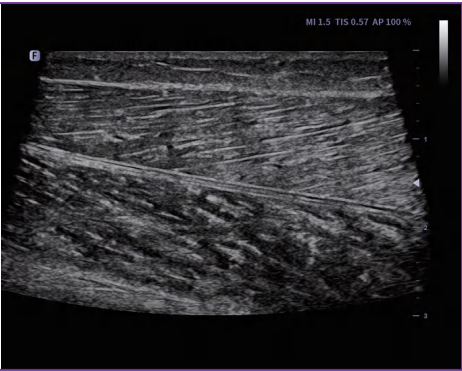


Tissue Doppler Imaging

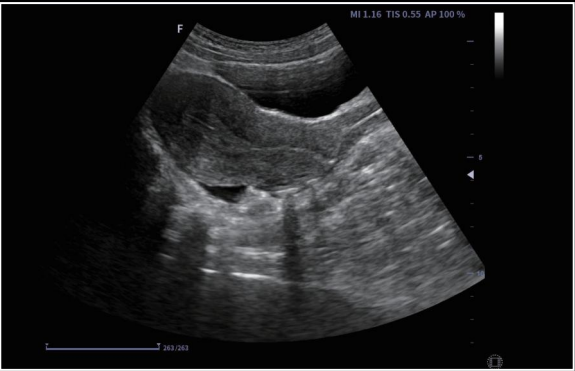
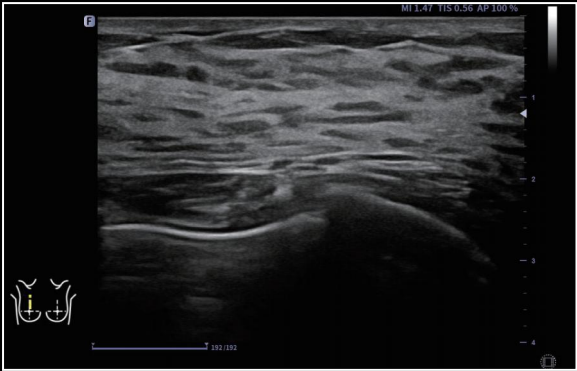
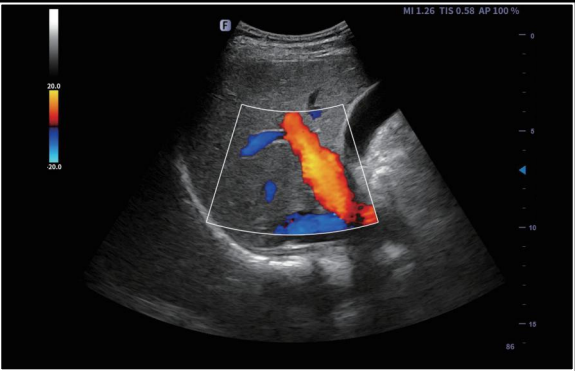
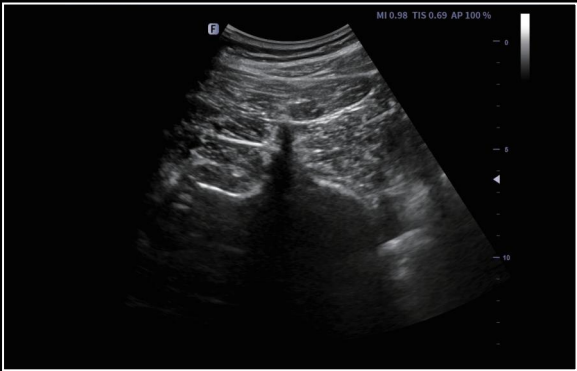
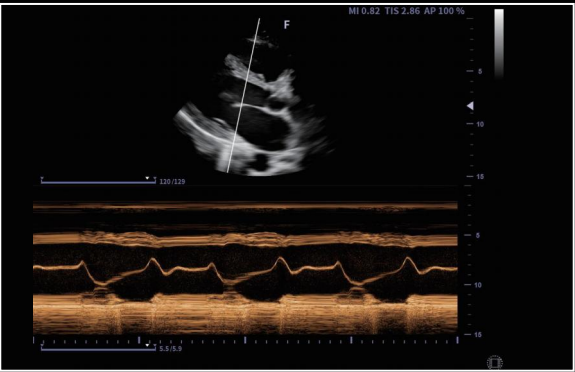
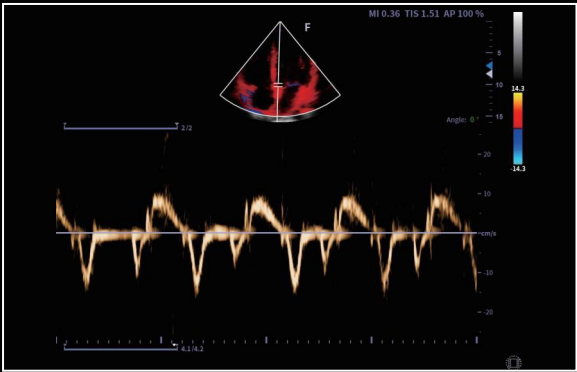
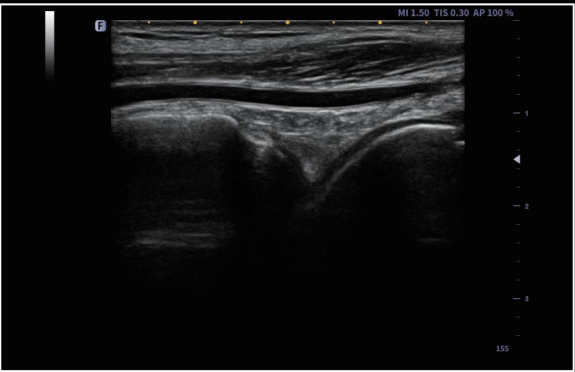
Tissue Doppler Imaging (TDI) is a robust and reproducible echocardiographic tool that employs the Doppler effect to assess muscle wall characteristics throughout the cardiac cycle including velocity, displacement, deformation, and event timings. It has permitted a quantitative assessment of both global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

ExView

Increase scan range for probes; Get more complete information.



Excellent Clinical Images





Focus & Fusion



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