PHILIPS

Ultrasound

Redefining performance in breast ultrasound

Philips EPIQ Elite Elevate and Affiniti Elevate

1 in 8 women will develop breast cancer in their lifetime,[1] and it can be difficult to detect in some cases. Dense breast tissue can mask small cancerous lesions, making the lesions hard to detect and delaying the diagnosis process. Philips breast ultrasound technology aims to allow clinicians to effectively assess, monitor and treat the breast in a way that is quick and efficient.

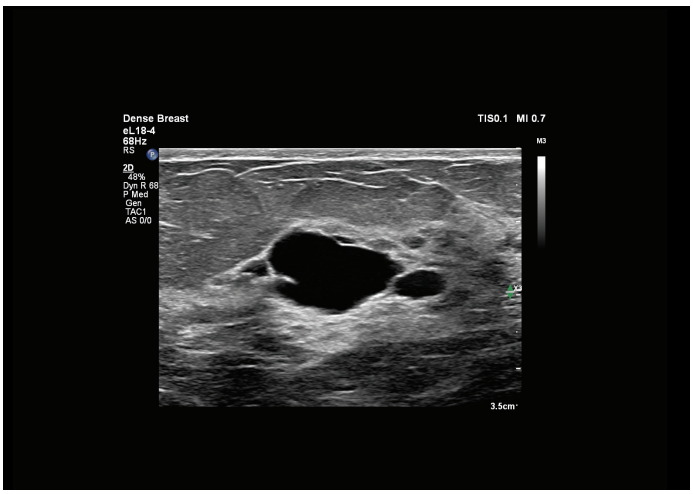
Ultrasound is widely available, easy to use and more cost-effective than other imaging methods such as MR. It can give a clear picture of soft tissues that do not show up well on X-ray images.[2]

Confident imaging

nSight Plus Imaging Architecture* is a more powerful beamforming technology providing next-generation imaging performance.**

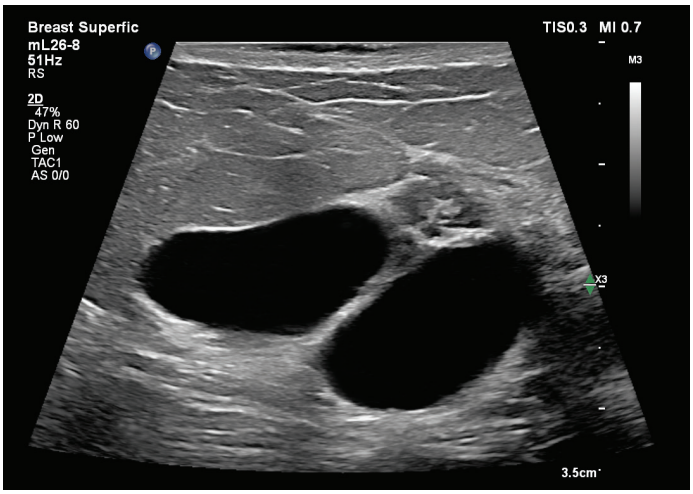
eL18-4 transducer

Provides fine detail resolution to aid in the assessment of lesion detection in dense breast tissue.



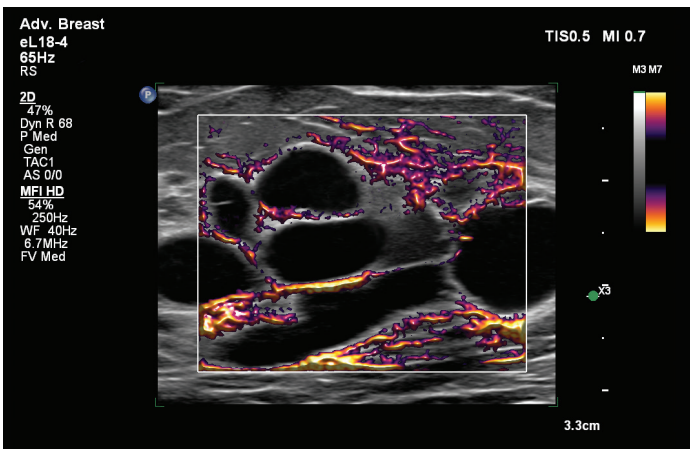
mL26-8 transducer

Offers 36% improved spatial resolution and 64% improved penetration[†3] in superficial applications.[‡]



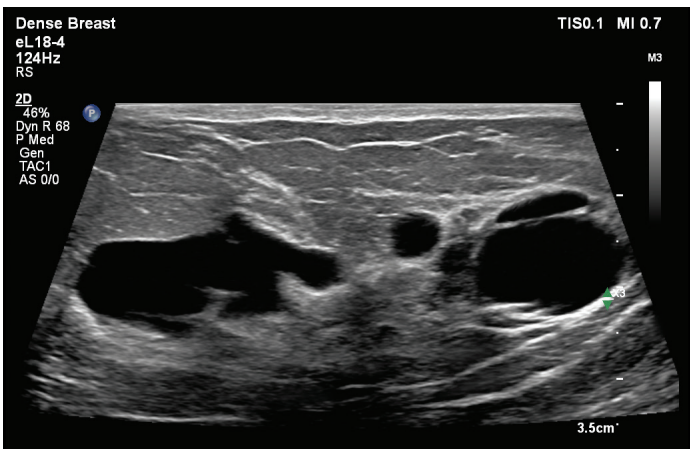
Flow Viewer

Defines vasculature with a 3D-like appearance using both the velocity and power of the Doppler signal to accurately represent vascular flow topography.



Trapezoid imaging

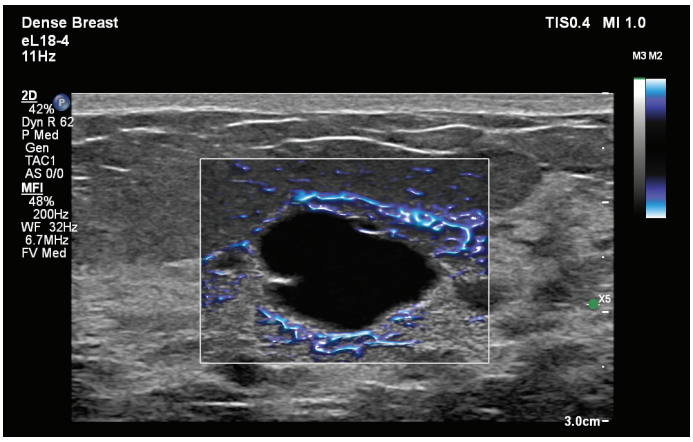
75% larger field of view[§] than the previous generation.[‡]



*Not available on all transducers.
**Compared to release 7.0.
†Compared to the predecessor transducer L15-7io.
‡Now available with the Affiniti ultrasound system.
§Compared to the predecessor transducer L15-7io for all depths greater than 1.6 cm.

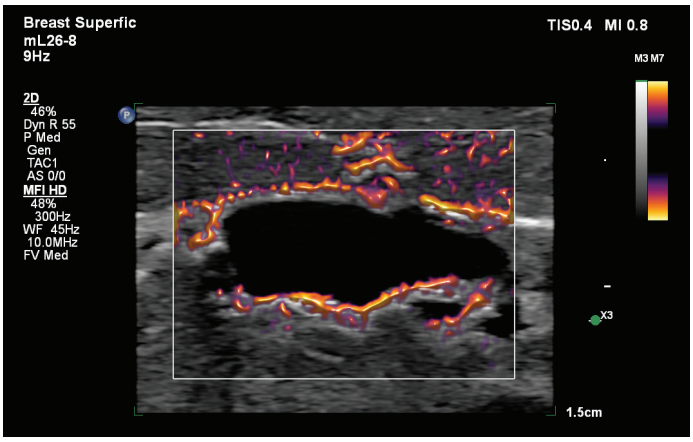
MicroFlow Imaging (MFI)

Provides remarkable sensitivity and detail in **assessing blood flow.**



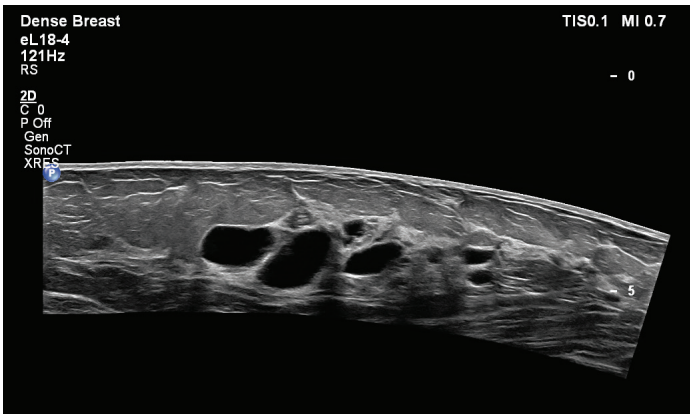
MicroFlow Imaging HD (MFI HD)

Offers 2x the sensitivity and resolution* of MFI in assessing blood flow.**



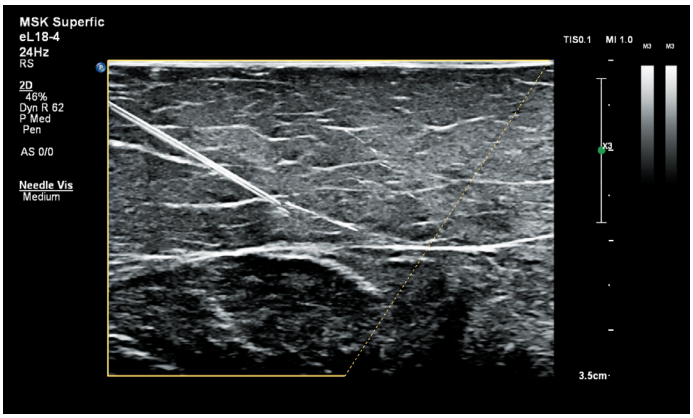
Panoramic view

Provides the entire landscape in a single view for a global representation of MSK anatomical structures.



Needle visualization

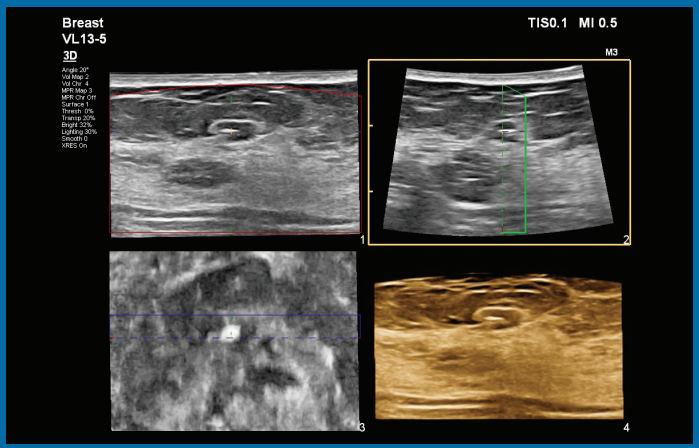
Enhances needle visualization for interventional procedures.



Advanced insights

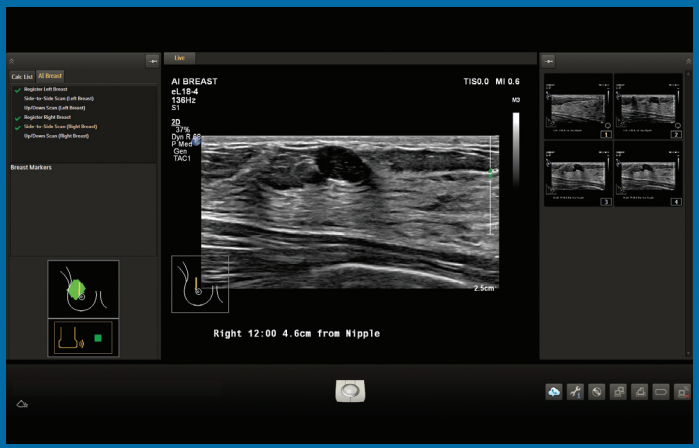
3D/4D imaging

Visualize real-time 3D/4D with breakthrough imaging and workflow.



Anatomical Intelligence for Breast

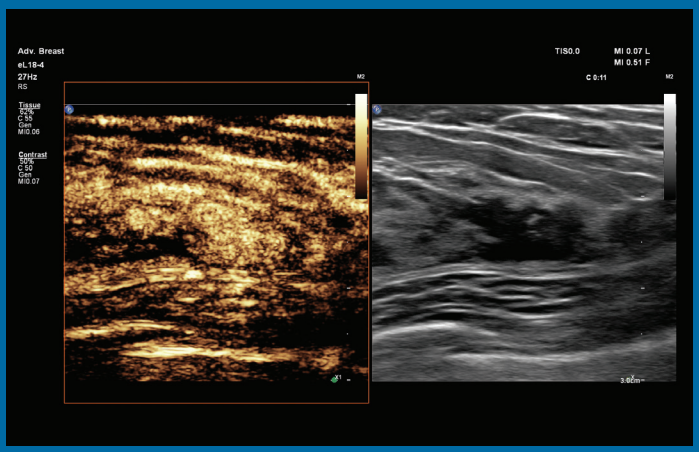
Allows visual mapping of screened anatomy for documenting full coverage of the breast during the acquisition phase. Images are stored while performing sweeps to allow review on the system post-examination.



*Internal measured comparison on standard MFI to MFI HD using clinical targets and standard measurement methodology.
**Not available with the Affiniti ultrasound system.

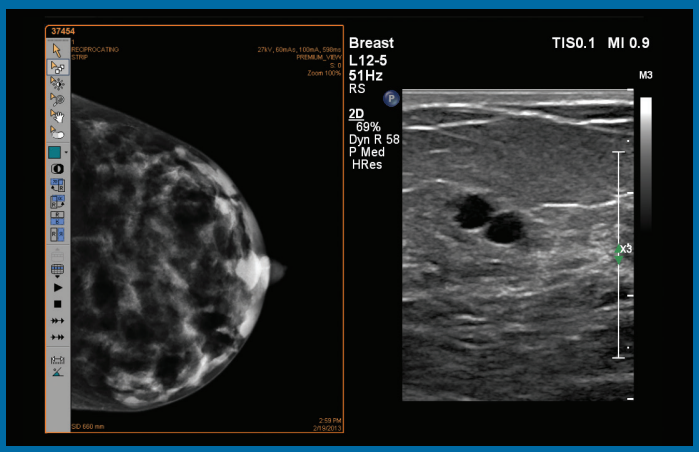
Contrast-enhanced ultrasound (CEUS)

Outstanding transducer color performance leads to high image quality for CEUS. See a 50% increase in CEUS frame rate and 57% increase of CEUS field of view for the L12-5 breast preset.



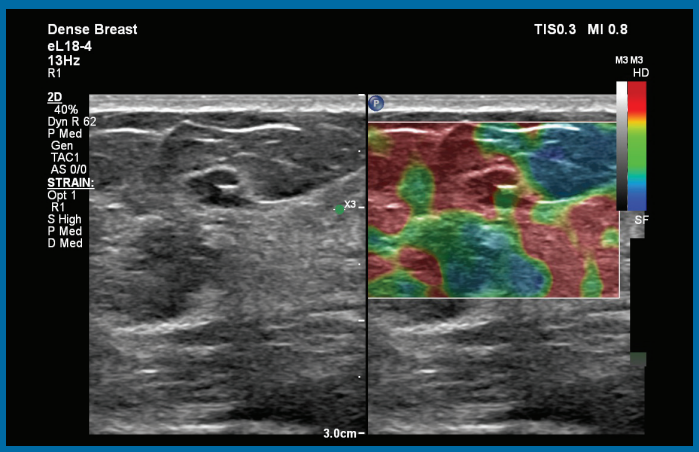
Live Compare

Easily compare images from other imaging modalities for simultaneous viewing alongside real-time ultrasound images.



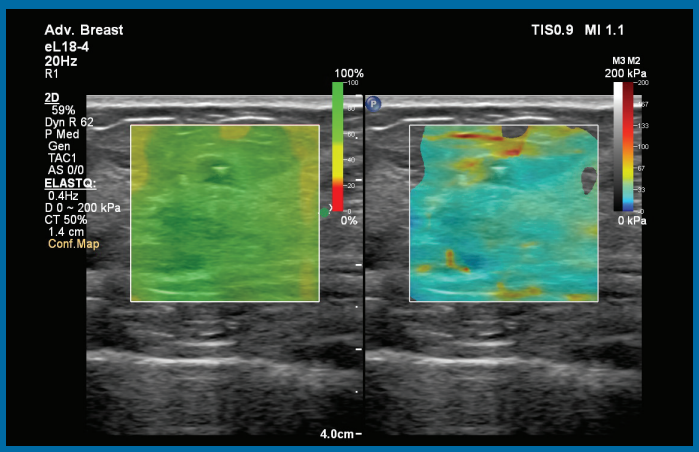
Strain elastography

This qualitative technique shows the relative stiffness of a questionable lesion compared to the surrounding tissue.



ElastQ Imaging

A color-coded region of interest box provides quantitative stiffness analysis, increasing the reproducibility of measurements.



Find out more at www.philips.com/GI

1. Key statistics for breast cancer. American Cancer Society. https://www.cancer.org/cancer/types/breast-cancer/about/how-common-is-breast-cancer.html
2. RadiologyInfo.Org: www.radiologyinfo.org/en/info/genus.
3. Philips internal validation study.

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