

MyLab™ E85

Multiply your Expertise



 **esaote**
HEALTH WITH CARE

Multiply your Expertise

Radiology is evolving in the face of increasing clinical demands, with every pathway, from urgent cases to routine follow-ups, requiring speed, precision, and consistency.

In this environment, clinicians like you rely on intuitive workflows that support each step of the process, enhance image quality, and help reduce variability among users, supporting consistent and reproducible results.

The result is a more streamlined diagnostic journey, where time is optimized, complexity is managed, and expertise can focus on clinical decisions.



Four Clinical Paths, One Daily Workflow

As a radiologist, you work across the full spectrum of imaging applications, from abdominal assessments to superficial imaging and beyond.

To support these clinical activities, we have developed a simple, consistent, and operationally efficient diagnostic workflow for diverse clinical demands.



Liver Care: Toward a Complete Approach

Liver care requires a continuous and coherent approach throughout the diagnostic journey. From early detection and lesion characterization to monitoring and follow-up, ultrasound supports confident clinical decisions with consistent image quality and reliable information at every stage of patient management.



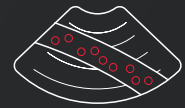
Image Quality



Multiparametric Package



microV



CnTI™ Clear



B-Mode of the liver

High-Performance Liver Imaging

To support the accurate detection and characterization of suspicious liver lesions, MyLab™E85 features a latest-generation convex probe delivering high-quality imaging across both superficial and deep anatomical regions. Integrated Smart Liver Label technology, powered by AI, provides real-time anatomical recognition and annotations for improved workflow efficiency.



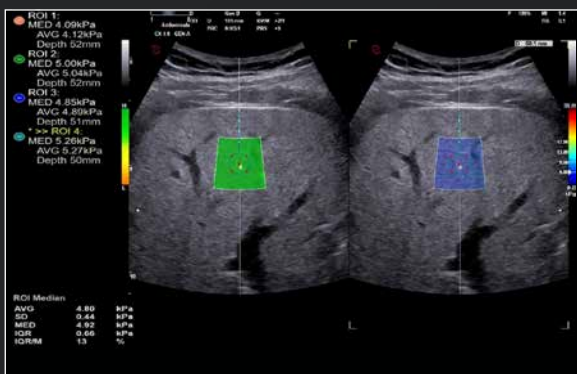
Liver with microV technology

Advanced Vascular Insight

To support the accurate evaluation of abdominal vascularization and suspicious regions, microV technology detects very low-flow blood signals with high sensitivity and excellent detail. When combined with other Doppler tools such as CFM and BrightFlow, MyLab™E85 provides a more comprehensive view of liver vascular patterns and helps clinicians improve their diagnostic confidence in everyday practice.

Abdominal Multiparametric Assessment

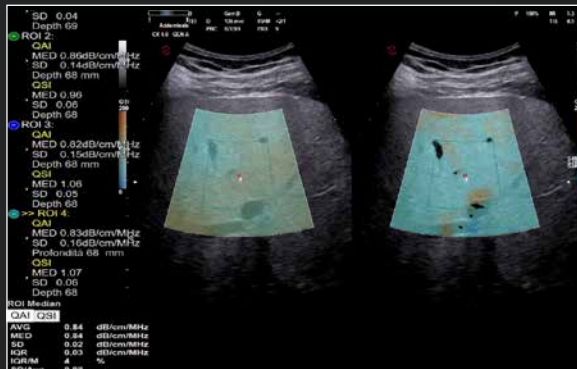
Designed to support both diagnosis and follow-up in liver care, MyLab™E85 integrates a comprehensive suite of tools for assessing and monitoring key liver conditions, including liver and spleen stiffness and steatosis staging. In addition to attenuation-based evaluation with QAI, liver steatosis can be further refined through quantitative backscatter analysis using QSI technology. All measurements are collected in a dedicated report, with results presented in intuitive visual formats, such as bar graphs and spider charts.



Liver with QElaxto 2D technology



Liver with QAI technology



Liver with QSI technology



Multiparametric Report



Liver CnTI™ Clear with convex probe

Enhanced Contrast Ultrasound

CnTI™ Clear supports advanced characterization of liver and abdominal lesions by combining extended contrast media duration with high sensitivity and deep penetration, enabling detailed visualization of tissue microperfusion.

Breast Imaging: Confident Lesion Assessment

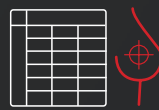
In breast imaging, early diagnosis is crucial and demands precision at every step. A comprehensive suite of advanced breast ultrasound technologies supports radiologists from lesion detection through characterization, monitoring, and follow-up, helping to define the most appropriate clinical pathway for each patient.



Image
Quality



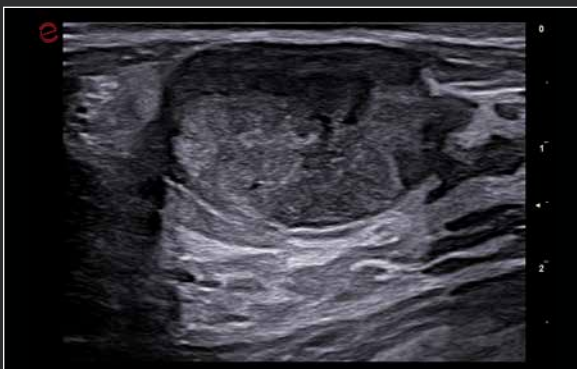
Breast Interactive
Workflow



Breast Mass
Analyzer



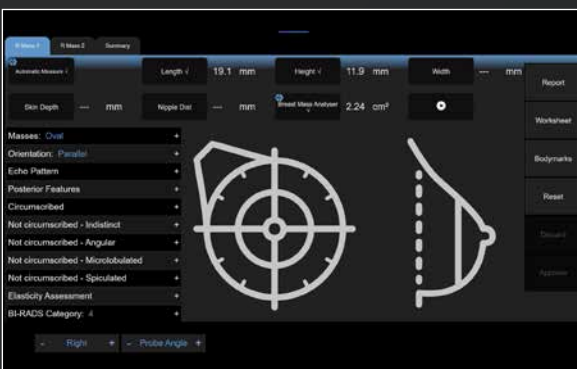
Advanced
Features



B-Mode image of the breast with LMX 3-16

LMX 3-16: Maximum Clarity for Every Breast

Breast ultrasound is particularly demanding due to the variability of breast tissue. The LMX 3-16 high-frequency transducer with wide-footprint technology provides consistent coverage and enhanced contrast in both superficial and deep regions, helping to identify tissue abnormalities while ensuring operator comfort.



Breast Interactive Workflow (BIW) technology

Breast Dedicated Workflow

Breast examinations require a focused and efficient workflow to maintain consistency and ensure that every step is intuitive.

The Breast Interactive Workflow (BIW) introduces a dedicated touchscreen interface with a smart, breast-specific dashboard that brings together all relevant information about suspicious areas, enabling fast and intuitive interaction.

Quick Assessment of Suspicious Areas

When you analyse suspicious breast findings, eDetect and Breast Mass Analyzer (BMA) support you with an AI-based assessment of the region of interest, suggesting automatic lesion contouring, measurements, and classification to structure your evaluation.



Breast Mass Analyzer (BMA) technology

BMA Technology

- Classification of suspicious lesions according to the BI-RADS® category from ACR
- Trained by breast experts
- Clinical validation showing up to 15%* reduction in unnecessary biopsies
- Provide assistance in classification confirmation



Scan to download the full paper

Interlenghi M et al. A Machine Learning Ensemble Based on Radiomics to Predict BI-RADS Category and Reduce the Biopsy Rate of Ultrasound-Detected Suspicious Breast Masses. *Diagnostics (Basel)*. 2022 Jan 13;12(1):187. doi: 10.3390/diagnostics12010187.

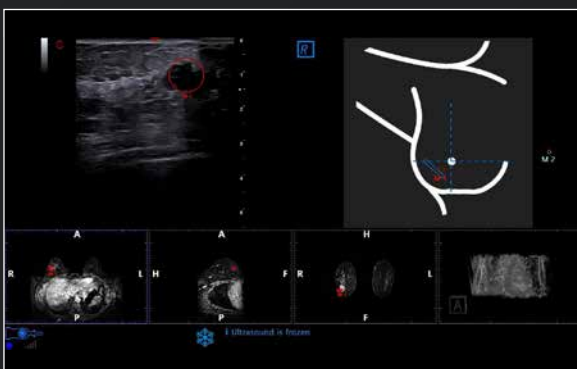


ShearWave Elastography technology

Advanced Features for Precision Breast Imaging

Advanced technologies in breast imaging support lesion detection, characterization, and follow-up, enabling a precise, patient-specific approach.

- QElaxto 2D: two-dimensional shear-wave elastosonography technology that enables accurate mapping and quantification of tissue stiffness, providing additional information on both benign and malignant findings.
- BreastNav™ and BreastNav™MRI: a comprehensive breast imaging package for a multimodality approach. In particular, BreastNav™ MRI provides real-time fusion imaging between prone MRI and supine ultrasound datasets, powered by AI technology, to enhance second-look examinations and clinical decision-making.



BreastNav™MRI technology

Musculoskeletal Imaging: Through Sharper Insight

In musculoskeletal imaging, diagnostic accuracy depends on the ability to clearly assess fine anatomical details, dynamic relationships, and associated vascular changes. A comprehensive MSK ultrasound solution integrates high-performance transducers with sensitive vascular imaging to support accurate evaluation across the full clinical spectrum.



Image Quality



microV



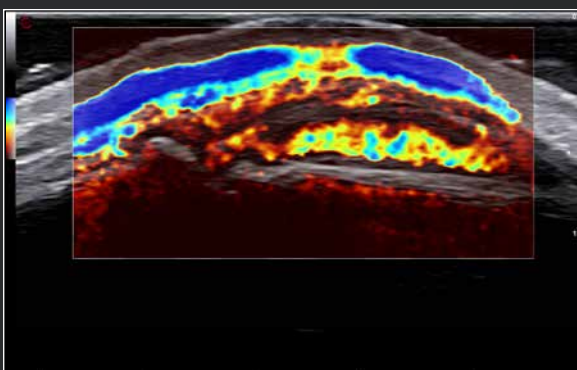
Large Set of Probes



B-Mode image of the quad muscle with LMX 3-16

LMX 3-16: MSK Advanced Performance

Designed to accommodate a variety of MSK examinations, the LMX 3-16 wide-footprint transducer offers high-resolution imaging as a single-probe solution, supporting consistent diagnosis and follow-up. For very superficial structures, high-frequency probes of up to 25 MHz provide exceptional clarity, allowing detailed assessment of fine anatomical features.



Finger with microV technology

High-Sensitive Doppler

Doppler technology plays a crucial role in the assessing inflammatory processes. Our Power Doppler and microV technologies are specifically designed to detect low-velocity flow in small and superficial vessels with exceptional sensitivity. This allows for more accurate diagnosis and effective therapy planning from early detection to follow-up.

Thyroid Imaging: Accurate Nodule Evaluation

Thyroid imaging requires meticulous evaluation of superficial structures and subtle morphological changes. High-resolution ultrasound is essential for reliably assessing and following up on nodular and diffuse thyroid conditions, where consistency and image quality can influence diagnostic interpretation.



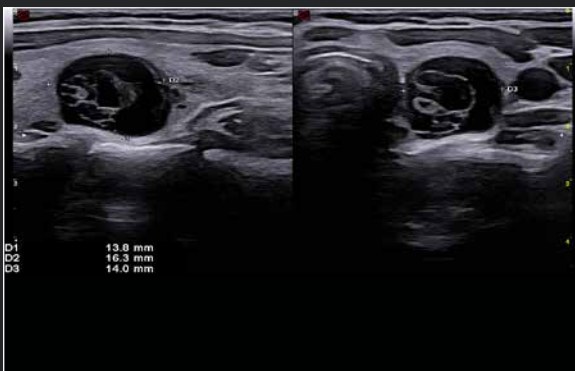
Image
Quality



eDetect



Thyroid Interactive
Workflow



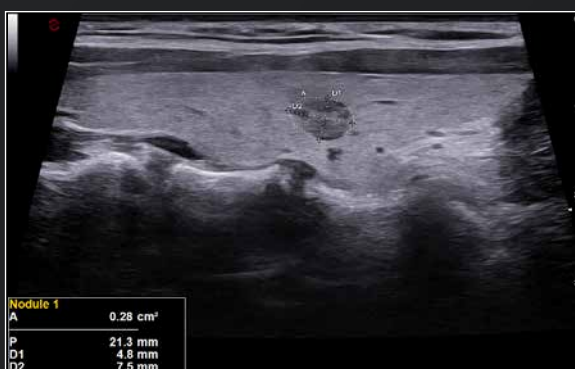
B-Mode image of the thyroid with LMX 3-16

LMX 3-16: Thyroid Enhanced Sensitivity

An accurate thyroid assessment requires uniform coverage of the gland and consistent, high-resolution imaging. The LMX 3-16 wide-footprint transducer delivers detailed visualization and clarity for both diagnosis and follow-up. MicroV technology enables the sensitive detection of low-velocity blood flow in areas of active inflammation, complementing thyroid assessments.

Advanced Thyroid Tools for Efficient, Standardized Assessment

Advanced technologies have been developed to provide comprehensive and efficient thyroid assessments.



eDetect technology

- eDetect: to assist in the evaluation of suspicious nodules by automatically contouring and measuring lesions for objective and reproducible results.
- Thyroid Interactive Workflow (TIW): a dedicated thyroid workflow, accessible via the touchscreen, to centralize all relevant information and streamline the examination process.

Choose your Simplified Interaction

With MyLab™E85, you can choose between two interface concepts, based on how you prefer to interact with the ultrasound system and the environment you work in.

You can work either with a redesigned conventional control panel, designed to reduce physical strain and support efficient operation, or with an innovative touch-sensitive interface that simplifies cleaning and integrates seamlessly into critical clinical environments.

This flexibility supports optimal comfort during examinations, while both options provide immediate access to essential functions, ensuring smooth and intuitive system control.

Whether you prefer the sleek conventional panel or the modern touch-sensitive interface, MyLab™E85 is designed to support efficiency, usability, and consistent performance across a wide range of clinical settings.



- ✓ Innovative design
- ✓ Easy to clean
- ✓ Waterproof and dustproof
- ✓ Resistant to corrosive agents
- ✓ Intelligent and comfortable touchpad

- Redesigned keyboard ✓
- Comfortable typing experience ✓
- Conventional trackball ✓
- Streamlined workflow ✓





24" BARCO MONITOR

Latest LCD monitor technology to ensure superior detail enhancement.



OPTI-LIGHT

Provides an optimal working environment through its integrated lighting capabilities.



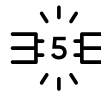
ULTRA-WIDE 15.6" TOUCHSCREEN

Ergonomic control with a tiltable 15.6" touchscreen.



2 CONTROL PANELS CONFIGURATIONS

2 different interface options, conventional or cleanable, to fit with any working style.



5 ACTIVE CONNECTORS

5 transducer connectors for immediate probe switching in fast-paced clinical settings.



BATTERY SUPPORT*

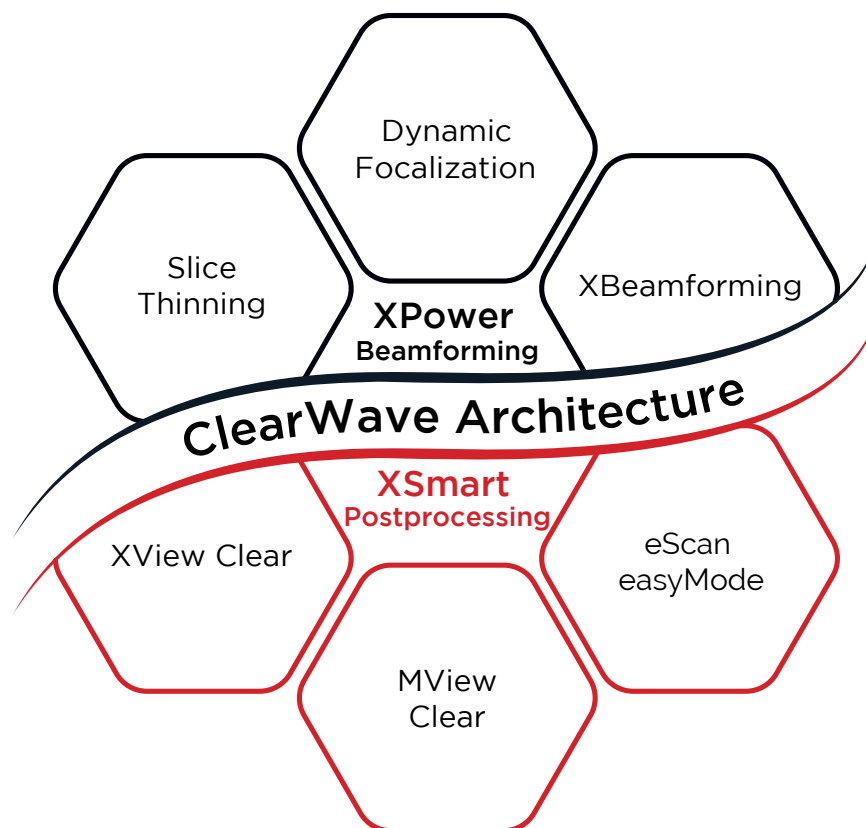
Fast boot and more than one hour of full performance scanning while operating on battery power.

*Optional



Technology that Helps you See Better

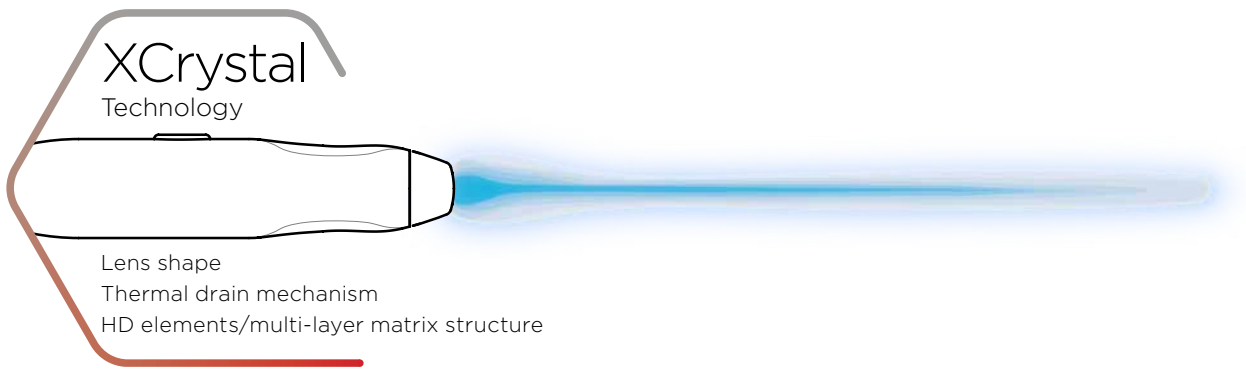
In the context of healthcare, as part of our ongoing commitment to delivering high-quality care, image quality is essential, not a detail. It is necessary for making confident and timely clinical decisions. That's why we are committed to providing consistency across different operators by offering highly advanced ultrasound imaging technologies that meet the needs of every patient.



MyLab™E85 embeds the ClearWave Architecture, which combines our advanced XBeamforming and XSmart Postprocessing technologies to consistently deliver high-quality images.

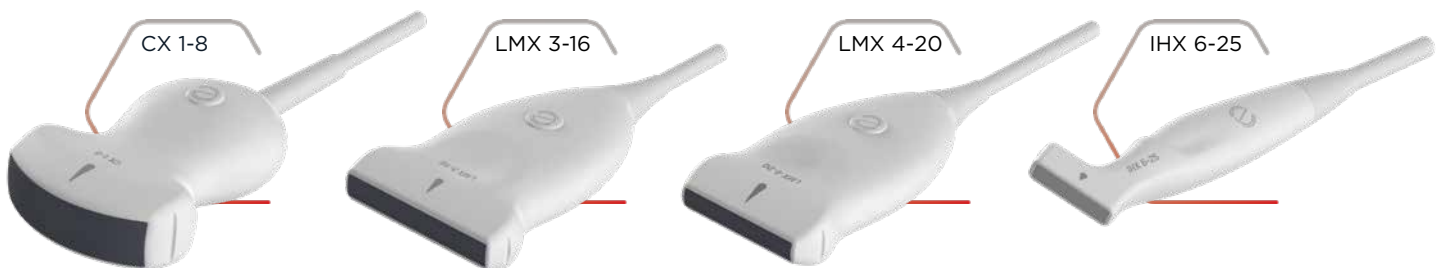


Conventional probe technology



On top of this, our XCrystal technology dramatically increases sensitivity and penetration to provide sharper images and homogeneity.

The result is a new generation of transducers with an ergonomic shape that ensures true comfort during everyday use and top-class imaging resolution.



High-Performance Probes: a Full Range

Our comprehensive set of ultrasound probes draws on our extensive expertise in manufacturing probes and our continuous commitment to innovation, ensuring consistently high standards of quality and performance.

Its breadth and versatility enable full coverage across multiple specialties while adapting seamlessly to different diagnostic needs. From routine to advanced examinations, each probe is designed to enhance clinical confidence and workflow efficiency.

This complete offering provides a reliable solution that meets the evolving demands of modern medical imaging.



Gain Peace of Mind

With MyLab™E85, we aim to deliver value that extends well beyond the initial investment. A comprehensive three-year warranty, combined with dedicated customer support, ensures that your investment is protected, optimized, and fully supported throughout its lifecycle.



Connectivity



Real-time
Collaboration



Clinical Workflow
Protection



Patient Data
Protection



Customer Care



3-YEAR
SERVICE
COVERAGE



REMOTE
TECHNICAL
SUPPORT



PROBE
COVERAGE



Esaote S.p.A. - sole-shareholder company

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Italian design

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