MyLab™Eight

MyLab™Eight eXP

Eight

eMPowered eXPerience in Ultrasound

esaote

MyWork
MyPatient
MySystem
MyLab™

MyLab™Eight platform is the culmination of Esaote's dedicated R&D with the aim of meeting the increasing demands of modern healthcare:

- **Outstanding image quality**
- **Confident diagnosis**
  for difficult to scan patients
- **Complete solution**
  for the most demanding clinical activity
- **Advanced research** tools

Outstanding image quality

Large probe portfolio

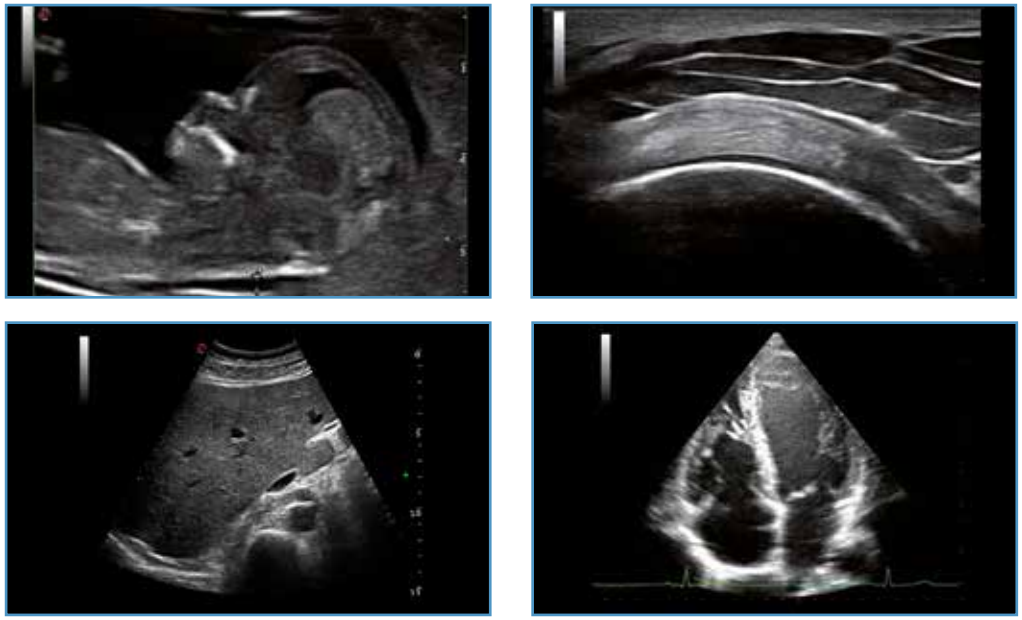
WideView
21.5”
IPS Monitor

Advanced clinical tools

@MPowered Engine

Broad connectivity options

Outstanding image quality



Esaote puts a great deal of effort into designing systems that offer top image quality to enable confident diagnoses for difficult-to-scan patients, as well as highly detailed superficial image resolution. This has been achieved over the years through advanced research, with several patents and publications, and effective implementation in both systems and probes.
Outstanding diagnostic value is the result of optimization of all the aspects of the signal chain, from the echo generated by the patient through to the display on the system, together with maximization of ultrasound scanning efficiency.

WideView 21.5" IPS Monitor

The new WideView monitor technology offers sharp diagnostic image clarity with enhanced spatial and contrast resolution.

eMPowered Engine

MyLab™Eight platform incorporates the new eMPowered Engine to optimize high-density and single-crystal transducers to enable images to be captured at greater depth in the body with unprecedented quality for difficult-to-scan patients.

Broad Connectivity Options

Wireless and wired connectivity options offer numerous data-saving and transmission options. All our systems are equipped with wired and wireless connectivity for easy networking and patient management.

Extensive connectivity technology

- Easy networking
- DICOM and IHE compliance
- MyLab™Desk software for comfortable image review and reporting on your laptop or PC

Large probe portfolio

During real-time scanning the ultrasound probe is a continuously handled interface for the operator, which can lead to hand stress and fatigue.

Our solution:

Enhanced ergonomics probe solution

- **Lightweight** and with **appleprobe ergonomics**
- **Reduce muscle strength** up to 70%
- **Increased** confidence

Single-crystal transducers enable images to be captured at greater depth in the body with unprecedented quality for difficult-to-scan patients.

High Density Linear probes offer high frequency top image quality and unparalled spatial and contrast resolution.

Virtual Navigator

Advanced tool for Multimodality Real-time Fusion Imaging.

QElaXto

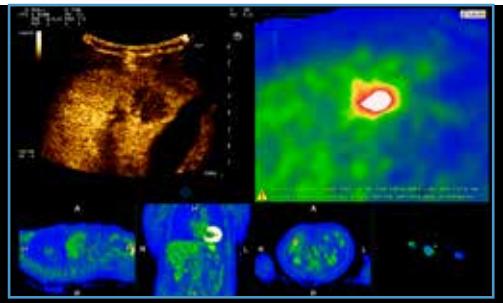
Shear Wave Tissue Stiffness Quantitative Assessment (MyLab™Eight eXP).

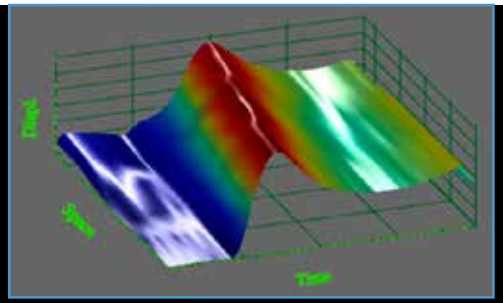
3D eWave

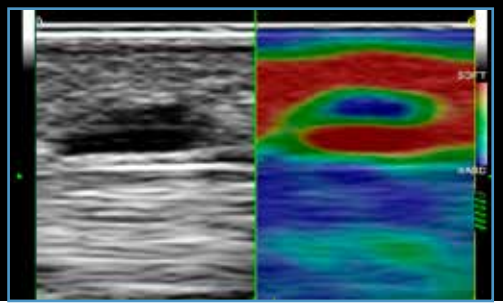
Shear Wave Quality Graph for immediate feedback about measurement quality (MyLab™Eight eXP).

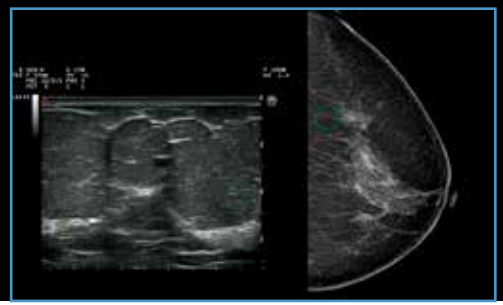
MyLab™Remote

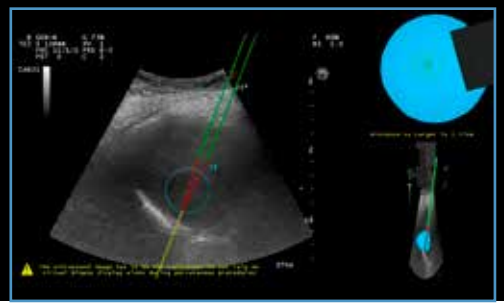
Remote system user interface app that allows MyLab™Eight to be controlled via smartphone or tablet.











XFlow

Extraordinary flow sensitivity and spatial resolution: XFlow provides direct visualization of blood echoes, extending wideband resolution, high frame rates and wide dynamic range of blood flow.

ElaXto

Full Strain Elastosonography package for multiple applications. Full measurement package, available on many probe typologies.

BodyMap

2D Navigation technology on second imaging modality, Body mark and patient examined area picture.

Virtual Biopsy

Advanced Biopsy also in very difficult approaches: Virtual Biopsy allows physicians to follow percutaneous procedures by superimposing needle tracking information on the real-time ultrasound image.

CnTI™ Contrast Tuned Imaging

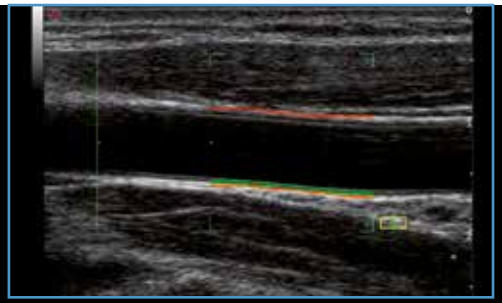
Esaote's proprietary CnTI™ provides high performance contrast enhanced ultrasound imaging with second generation contrast media.

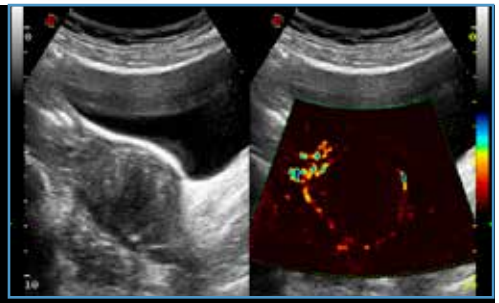
RFQIMT RFQAS

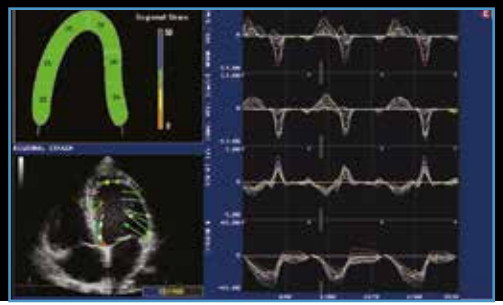
Intima-Media Thickness and Arterial Stiffness measurements, based on beyond state of the art RF-data technology, are real-time, accurate and provide measurement quality indicators overlaid on the B-mode ultrasound image.

microV

High sensitivity, high spatial resolution, high frame rate hemodynamic analysis for micro-vascularization in tissue perfusion. State of the art sensitivity for superficial and deeper vessels for improved spatial resolution in real-time hemodynamic analysis.







XStrain

Speckle tracking for myocardial strain and strain rate assessment.

XLight

A New Era in Volume Imaging: the new XLight technology guarantees to immediately achieve amazingly realistic volumetric images also with very difficult to scan patients, both for gynecology as well as obstetrics examinations.

AutoNT

Performs automatically the Nuchal Translucency measure by simply placing a measure box over the area of interest. AutoNT helps in obtaining faster, more reproducible and less operator dependent results for improved diagnostic confidence and maximized productivity.

Advanced hemodynamic evaluation tools such as XFlow and HD CFM, quantitative tissue stiffness evaluation with QElaXto, and Virtual Navigator for easy-to-perform real-time fusion imaging are just a few examples of Esaote's advanced technologies that are tailored to meet all requirements, including the most demanding.

Esaote's focus on the prevention of work-related musculoskeletal disorders runs through MyLab™Remote, the remote system user interface app that allows MyLab™Eight to be controlled via smartphone or tablet.

Virtual biopsy technology is a valuable tool for facilitating needle insertions for difficult biopsies and for percutaneous treatments.

Other highlights include top-level Contrast Enhanced Ultrasound (CnTI™) and advanced cardiovascular tools, such as the XStrain cardiac deformation analysis tool and the radiofrequency-based Intima Media Thickness (QIMT) and Arterial Stiffness (QAS) measurement, underlining Esaote's trademark "Creativity in Healthcare".

Radiology

Advanced diagnostic tools

- **CnTI™** Full spectrum Contrast enhanced ultrasound
- **ElaXto** Full Strain Elastosonography package for multiple applications
- **QElaXto** Shear Wave Tissue Stiffness Quantitative Assessment (MyLab™Eight eXP)
- **microV** High sensitivity, spatial resolution hemodynamic analysis for micro-vascularization
- **Virtual Biopsy** Clear visualization of needle insertion and path
- **Virtual Navigator** State of the Art Real-time Multiple modality Fusion Imaging Technology

Large selection of probes

- **C 1-8 Single Crystal convex array probes** for Difficult-to-scan patients
- **L 4-15 High Frequency Linear array probe** for optimized spatial and contrast image resolution
- **Linear array probes** from 3 to 22 MHz
- **Biopsy dedicated Convex probe** with 0°, 5°, 15° needle insertion angle
- **IH 6-18 High Frequency Hockey Stick probe**
- **TRT33 Transrectal Dual array and Endocavity probes**
- **Prostate Transperineal** Biopsy and Treatment Stepper

MSK and Rheuma

Advanced diagnostic tools

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Cardiology and Vascular

Advanced diagnostic tools

- **TVM** Tissue Velocity Mapping
- **CMM** Compass M-Mode on multiple view lines
- **QIMT** Radiofrequency-based IMT for real-time assessment and top precision
- **QAS** Radiofrequency-based real-time Arterial stiffness measurement
- **Stress Echo** for cardiac function assessment during stress (prospective/retrospective)
- **XStrain** speckle tracking for myocardial strain and strain rate assessment
- **LVO** Left Ventricle opacification

Large selection of probes

- **PA250 Single Crystal probe** for defined images and high frame
- **Phased array probes** for Pediatric and Neonatal patients
- **TEE probes** for Adult and Pediatric patients
- **Linear array probes** from 3 to 22 MHz
- **Microconvex** array probe
- **IH 6-18 High Frequency Hockey Stick probe**
- **Doppler pencil probes** Low, Mid, High Frequency ad for TCD examination

Obstetrics and Gynaecology

Advanced diagnostic tools

- **XLight** Advanced volumetric rendering technique
- **ElaXto** Full Strain Elastosonography package for multiple applications
- **AutoNT** Automatic Nuchal Translucency measurement
- **microV** High sensitivity, spatial resolution hemodynamic analysis for micro-vascularization
- **Virtual Biopsy** Clear visualization of needle insertion and path
- **Virtual Navigator** State of the Art Real-time Multiple modality Fusion Imaging Technology

Interventional and Surgery

Large selection of probes

- **C 1-8 Single Crystal convex array probes** for Difficult-to-scan patient
- **Lightweight 3D Convex and Endocavity probes**
- **LA332 Low Frequency Linear array probe** for optimized spatial image resolution
- **Biopsy dedicated Convex probe** with 0°, 5°, 15° needle insertion angle

Advanced Diagnostic tools

- **Virtual Biopsy** Clear visualization of needle insertion and path
- **Virtual Navigator** State of the Art Real-time Multiple modality Fusion Imaging Technology
- **CnTI™** Full spectrum Contrast enhanced ultrasound (available also during Fusion Imaging)
- **ElaXto** Full Strain Elastosonography package for multiple applications (also in Fusion Imaging)
- **QElaXto** Shear Wave Tissue Stiffness Quantitative Assessment available also during Fusion Imaging (MyLab™Eight eXP)

Large selection of probes

- **C 1-8 Single Crystal convex array probes** for Difficult-to-scan patients
- **Biopsy dedicated Convex probe** with 0°, 5°, 15° needle insertion angle
- **TRT33 Transrectal Dual array and Endocavity probes** with Transperineal biopsy kit
- **Linear, Convex, 3D Convex, Microconvex probes** with Reusable and/or Disposable multi-angle biopsy kits

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MyLab™Eight

MyLab™Eight eXP

eMPowered Engine

WideView 21.5" IPS Monitor

160000083MAK Ver. 08

Thank you for considering Esaote

We listen to your needs and work every day to provide the most advanced technologies and the most innovative design for you to excel in the patient care.

TÜV SÜD

CE 0123

Please visit us online for more information

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