Cardiovascular

Discover the Power of Touch

MyLab™Class C

esaote

sonomedica

Monitor orientation and articulated arm

ECG cable and connectors holders

Customizable probe holders

Your Comfort with a Touch

Simplicity

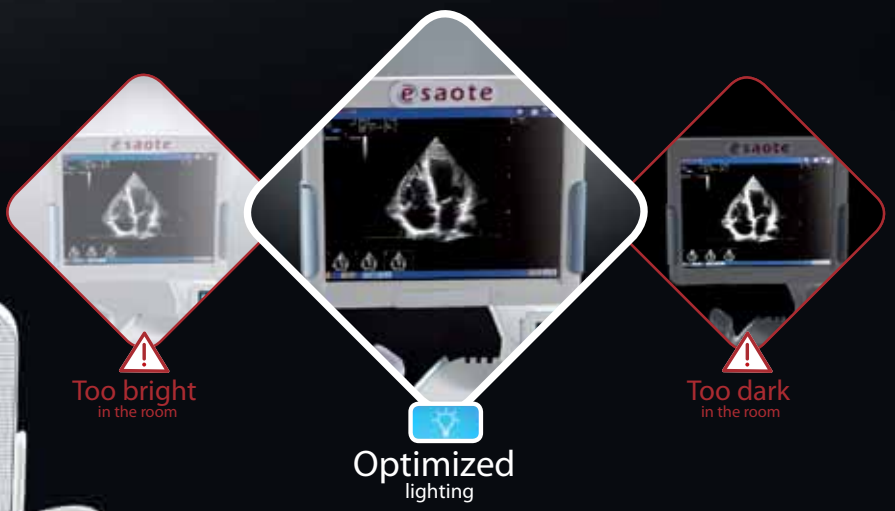
Whenever physicians think of a high-level cardiovascular ultrasound systems, they ask for up-to-date platforms, with high-performance and advanced on-board technologies as well as simplicity and ease of use.
MyLabClassC has been designed based on these key concepts in order to deliver a reliable diagnosis and to ensure every day productivity.
With just one glance you will understand how **MyLabClassC**'s simplicity has never been seen before on such a high level ultrasound scanner.

Ergonomics

High performance does not always mean large and stationary systems. A particular effort has been made in order to reduce size and to increase the new **MyLabClassC**'s ergonomics.
This has led to a compact and agile system, which is easy to move and is able to adapt to any kind of environment, including most critical ones such as interventional and the operating rooms.
The height-adjustable and rotating keyboard, as well as the multiplane-articulated monitor arm, allow for optimal positioning at all times.

Opti-Light

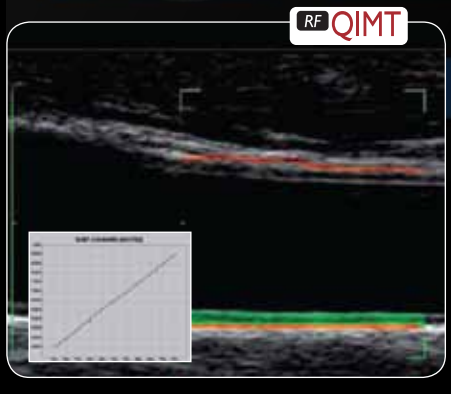
Optimal lighting has always been a crucial factor for ultrasound imaging. The latest Widescreen LCD Monitor Technology allows images to be clearly displayed under any condition. MyLabClassC also introduces an additional unique feature: Opti-Light.
This feature, thanks to a light point behind the monitor, allows the operator to control the room's lighting level directly from the system, through the especially designed controls located on the touch screen.
Optimized working conditions, better users' comfort and improved patient care.



Touch Screen

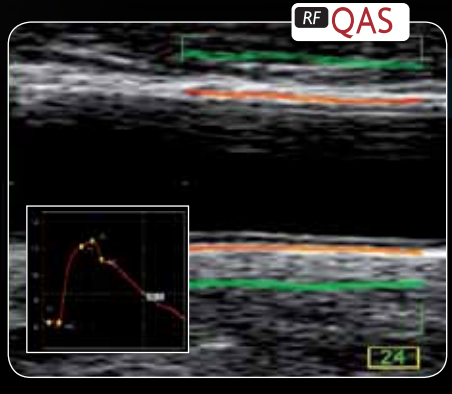
The large high-quality touch screen is well positioned near the most important working area of the control panel. This touch-screen allows all mode-dependent parameters to be clearly displayed and changed with one simple touch.

Prevention and Quantification with a Touch



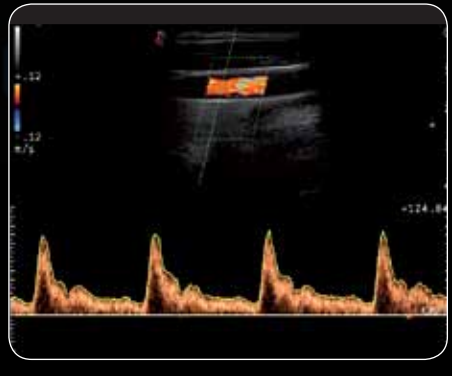
RF-QIMT

RFQIMT targets the blood vessel stiffness measurement of an area of the Carotid artery's which is selected for the investigation. Its ease of use combined with real time quality feedback, helps the operator to achieve accurate and reproducible results. The measurements (even when taken at different examination times) can be reported on a normalised graph displayed with plot indicators that will assist physicians in their diagnostic and therapeutic procedures.



RF-QAS

RFQAS targets the blood vessel stiffness measurement of an area of the Carotid artery's which is selected for the investigation. Blood vessel's wall stiffness is expressed brachial blood pressure and the accurate measurements of diameter and change in diameter. Local blood pressure at the site of the ultrasound measurement is also supplied. Local blood pressure and stiffness are derived as quantification results based on sophisticated clinical studies.



Auto adjustment and measurement

Doppler's profile quantification is definitely an important issue in cardiology as well as in vascular ultrasound examinations. Once the volume sample has been placed and the Doppler trace is displayed on the monitor, the user will be able to select the real-time assessment of all key clinical parameter by enabling the ADM function. When working with freeze-frame mode is preferred, you can still trace Doppler contour and track maximum, mean or minimum values automatically. Features like EF Calculation and ADM (automatic measurement) provide quantification of important clinical parameters in a short time. This allows for faster screening and accurate patient management in case of potential diseases that may be further investigated.

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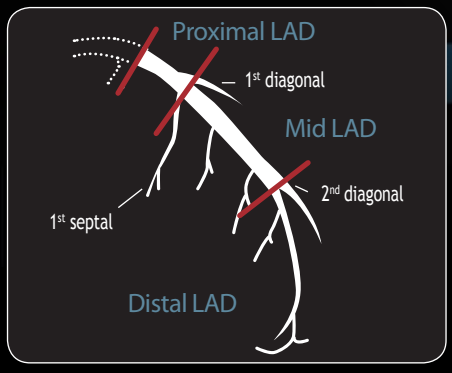
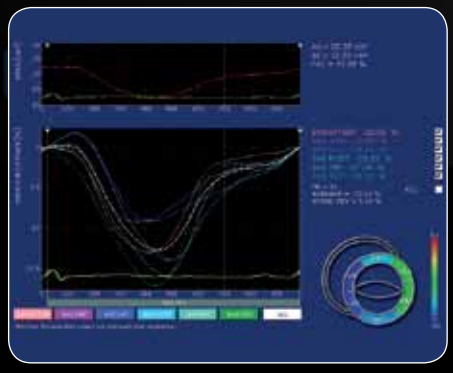
XStrain™
2D Speckle Tracking

CFI
Coronary Flow Imaging





iQ Probes

The primary component in the Signal Processing Chain leading to the final ultrasound diagnostic image is the transducer. The material's design and the technology employed to manufacture an ultrasound transducer are the key factors in determining the system's image quality. **iQProbe** represents Esaote's state-of-the-art Technology thanks to its innovative gold standard ultrasound transducers. Designed to improve performance and ergonomics, **iQProbe Technology** is based upon:

- an innovative **Active Matrix** Composite Material
- a **Multiple Adaptive Layers** Solution
- Structure Filling Material manufacturing process
- **Intelligent Geometric Lens** Manufacturing Process

CFI

Coronary Blood Flow characteristic's assessment is meaningful also regarding basal cardiac activity without any externally induced cardiac stress. When **CFI** Colour Doppler Technology is enabled, the user has the immediate perception of an increased signal coming from the coronary artery blood flow with a concomitant suppression of many velocity components of blood flow present within the heart ventricles and atria. **The MyLab™ Family** Ultrasound systems using the Adult Cardiac iQ-probe and the dedicated **CFI (Coronary Flow Imaging)** Technology and preset offer a superior performance in CFM/PW modes for the detection and measurement of Coronary Flows.

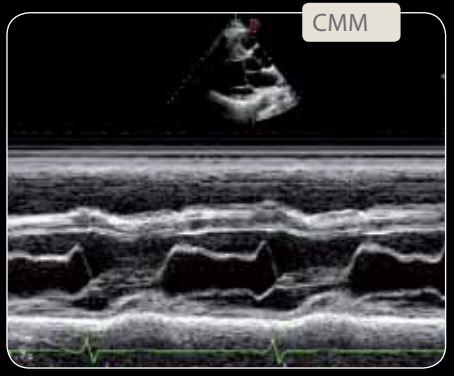
XStrain

XStrain is a non-invasive tool for an enhanced investigation of the myocardial function, allowing to explore and quantify aspects of the heart's physiology which were not detectable or quantifiable with previous ultrasound technologies. Myocardial velocity, myocardial strain and strain rate can detect pump function's early impairment (assessed as ejection fraction or stroke volume). As it relies on angle-independent technology, **XStrain** allows to assess both right and left ventricle contractibility. **XStrain** provides an innovative tool for the mechanical assessment of the heart's wall motion. It can therefore provide quantitative support for standard echo examinations and be used to examine and monitor patients in order to identify cardiac wall motion early change signs.

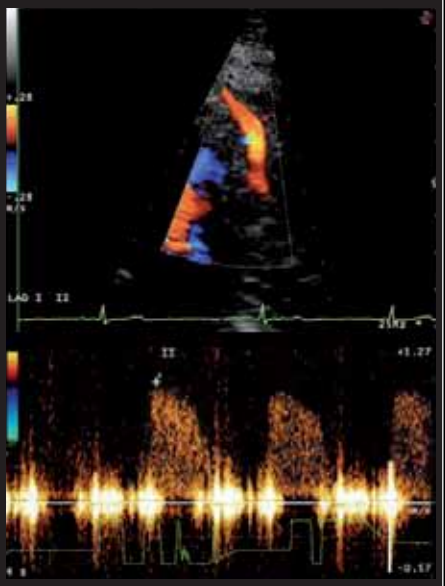
iQProbes

XView

CMM

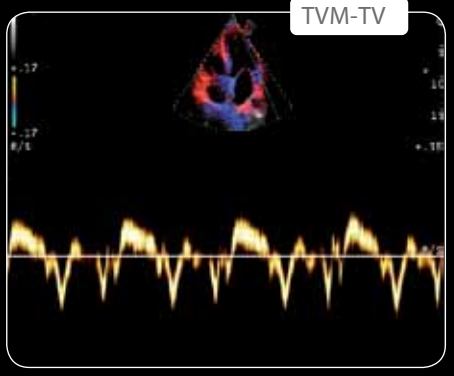


CFI

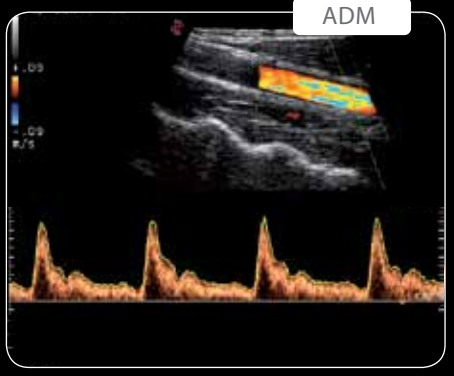


TEE

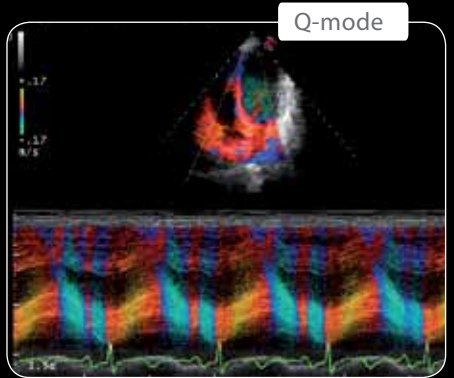
TVM-TV



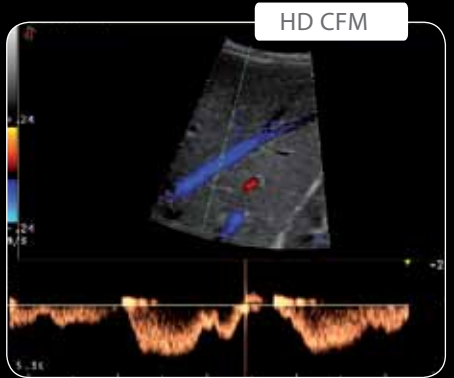
ADM



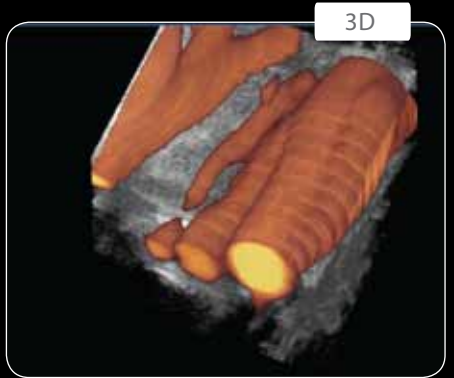
Q-mode



HD CFM

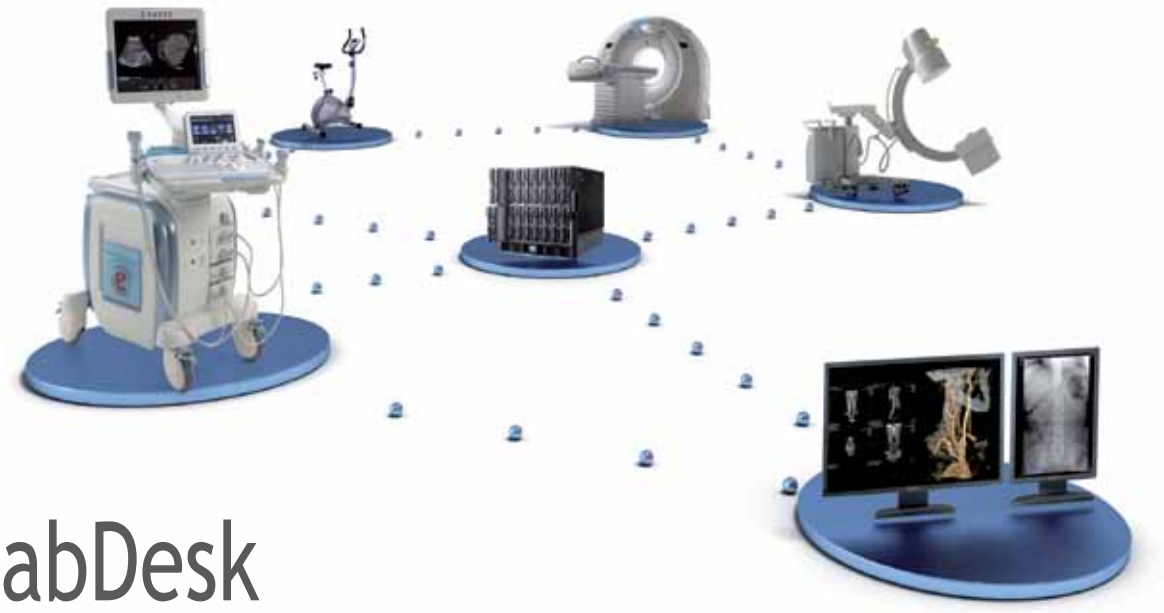


3D



Integration with a Touch

Data management is very important today, both for users' comfort and patient care. Esaote offers an efficient solution for any need and any environment, ranging from stand alone workstation up to complex modular architectures.



MyLabDesk

A flexible way to connect your MyLab to the PC, easily!

MyLabDesk is Esaote's answer to its user's need for a simple and straightforward way to archive, review, post-process, report or print their MyLab examinations on a PC from the comfort of their (home) office or while travelling. MyLabDesk provides the means to increase workflow and productivity in private offices, as well as in clinics and hospital departments.

- **Archive**, review and post-process examinations performed with the MyLab ultrasound systems.
- **Import** Esaote native file formats (UAF and EAF raw data) via USB, CD/DVD and network.
- **Perform** general and application-specific measurements.
- **Review**, change and print the examinations (reports and images).
- **Export** data using PC's standard features, i.e. burn on a CD/DVD, email, etc.

MyLabClass C

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ISO13485:2003 ISO 9001:2008

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Esaote S.p.A.
International Activities: Via di Caciolle, 15 50127 Florence, Italy, Tel. +39 055 4229 1, Fax +39 055 4229 208, international.sales@esaote.com
Domestic Activities: Via A. Siffredi, 58 16153 Genoa, Italy, Tel. +39 010 6547 1, Fax +39 010 6547 275, info@esaote.com

www.esaote.com

Официален представител
на **Esaote SpA** за България
Sonomedica
София • Пловдив • Варна
Национален тел. 0700 16251
Моб. 0896 882958
e-mail: office@sonomedica.bg
www.sonomedica.bg

Specifications subject to change without notice