



CrystaLine

@HD
Technology



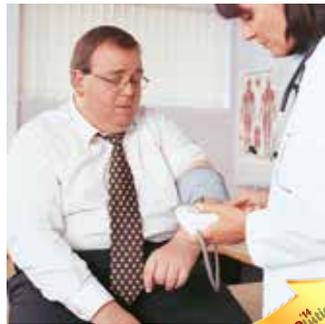
MyLabAlpha



MyLabSeven

Evolution is the Esaote's continuous improvement program which ensures **products and services enhancement** as well as increased customer satisfaction

Improved clinical confidence and image quality



Introduction of CPI technology

Difficult-to-scan patients are quite common in today's echo labs. Esaote's CPI technology addresses these challenges by supplying sonographers with a better penetration, optimal image contrast, increased spatial resolution and less speckle artefacts. Detailed images are acquired also with obese patients, gaining clinical confidence even in very deep areas.



New XView+ Speckle-reduction adaptive technology

Speckle artefacts reduction is a very important function but users must feel confident about the type of imaging they can acquire with an ultrasound system. For this reason the new XView+ speckle-reduction adaptive technology features a balance setting function which operators can use to adjust the algorithm's behaviour to their preference.

Better workflow, reduced examination time

Smart Doppler

Time consuming actions such as line reversing and adjusting angle to properly detect and to measure blood flow, strongly affect vascular examinations' exam time. Smart Doppler automates such common actions with one single touch allowing for a faster and simpler examination workflow, while maintaining the same precision and quality.

Raw Data Management

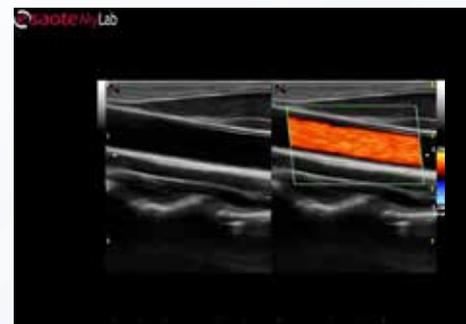
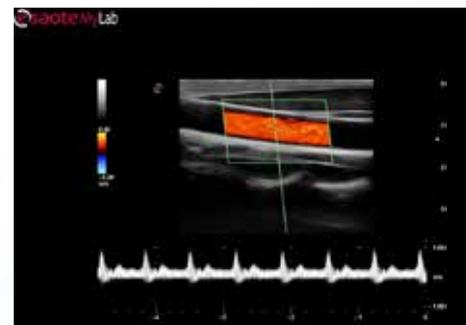
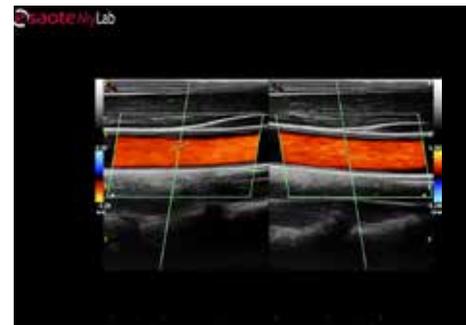
A wide range of image processing functions that improve workflow is now available. Such functions can be enabled for still frames or for images that have been archived once the examination is already closed.

PW/CW Doppler Video Clip recording

Being able to record PW/CW Doppler video clips is another feature that offers great advantages for post-acquisition analysis and reporting activities. You can now focus primarily on image acquisition with the assurance that the data can be accurately managed, analysed and measured for final reporting in a separate session.

Real-time Dual B-CFM imaging

You can comfortably display B-mode and Colour Doppler imaging simultaneously in real-time. This is a very useful feature as even the most precise Colour Doppler algorithms could overwrite important b-mode anatomical data. The dual mode display of these two images offers the highest level of anatomical and functional data to greatly improve your diagnostic accuracy.



360° Customizable systems



Measures Configurator

Measure Configurator becomes useful when clinical workflow and protocols differ around the world or when specific measures could be useful for research purposes. Measures Configurator allows users to add any new measurements to the default packages by defining their label, formulas and display in the final report.



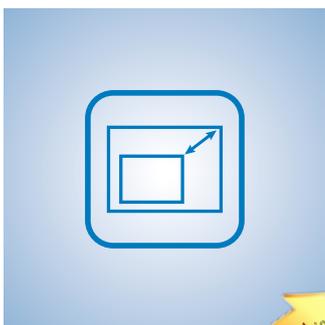
Customizable Protocols

Customizable Protocols are a smart way to increase productivity and efficiency during ultrasound examinations. Any step of the examination, images, annotations and body markers are saved in the specific protocol. Required mode changes, such as Doppler and measurement display, are automatically enabled and measurements entered into reports. Independent studies have demonstrated that examination time can be reduced by using this function.



Real-time DICOM Storage

To further increase ultrasound imaging department's productivity and efficiency, DICOM studies can be sent to PACS even before the examination has been closed. This allows any single image to be reported without waiting for the acquisition of the whole dataset which translates into less time for final reporting.

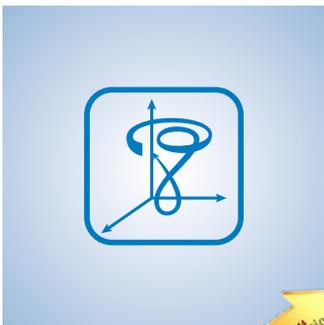


Customizable image size

Users can define optimal image-size for any specific application and target. Greater details are easily displayed by simply increasing image size without requiring an extensive use of the zoom function.



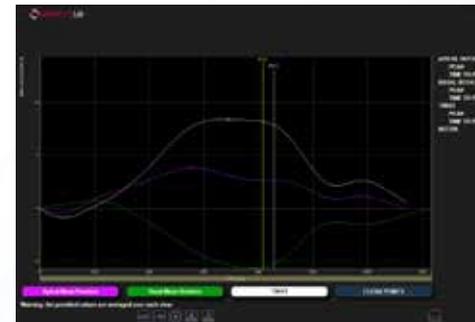
CV – Extending Cardiology's boundaries



Advanced 2D Strain elaboration (Torsion analysis)

MyLabAlpha and MyLabSeven offer an advanced platform for Strain-Strain rate imaging based on 2D-Speckle tracking. As a complementary extension, Torsion analysis is now available for both of the systems. Torsion analysis allows users to quantify the heart's complex movements with increased precision which leads to the most appropriate diagnosis and therapy.

XStrain2D, Torsion analysis and XStrain4D on-board solutions represent a comprehensive package and unique offer in this class of systems.



New Paediatric TE probe – ST2613

The new Paediatric TE probe now extends the MyLabAlpha and MyLabSeven's cardiology package. ST2613's is specifically designed to supply the greatest image quality and clinical outcome in a compact size. MyLabAlpha and MyLabSeven today deliver a full range of transducers for both trans-thoracic and transesophageal examinations, in adult and paediatric patients.

The right choice in women's healthcare



Evolution'14 includes comprehensive setting for obstetrics and gynaecology delivering all the features required by women's healthcare applications.

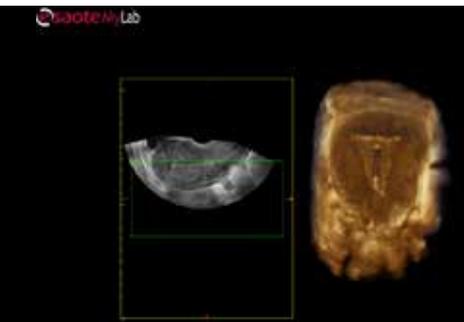
Outstanding 2D image quality

AC2541 convex probe, SE3123 endo-cavity probe, SL1543 linear probe deliver high resolution images with low noise artefacts perfectly balanced by the new XView+ technology.



New 3D/4D Vectorial Rendering mode

The most updated rendering methods allows for more realistic results with maximised volume rates, very detailed reconstruction and easy post-processing capabilities. With MyLabAlpha and MyLabSeven's powerful platforms you will be able to acquire outstanding B-mode and Colour Doppler images and detect possible abnormalities or pathologies.



Advanced tools

MyLabAlpha and MyLabSeven's new 3D/4D processing environments include the most advanced and useful tools. Once a volume has been acquired, further information is attained by applying: Tomographic Mode Imaging (TMI), Thick Slice Imaging (TSI), Volume Rendering & Analysis (VRA). VRA will help you deliver the most accurate follicles' analysis, measurements and selection.

New 3D Endo-cavity probe – SB3123

The new SB3123 probe allows MyLabAlpha and MyLabSeven to deliver volumetric endo-cavity images. The probe can be used as a standard 2D probe and as a 3D probe based on requirements, a crucial feature for oncology's uterus or prostate scans.

New features and options

Remote Service

Your system will be recovered in the shortest time possible. Simply connect it to the network and Esaote's Service Team will easily troubleshoot any issues, perform proactive maintenance and monitor performance.



Multi-connector option (MyLabAlpha only)

Departments requiring the use of different type of transducers can now supply MyLabAlpha with up to 4 active probes connected to the system. Each transducer is quickly activated using the touch screen, without any time loss. All of the available transducers are safely connected to the system without the need for additional containers. The multi-connector option also includes two complementary loudspeakers to increase PW/CW Doppler's sound quality.



Complimentary features

Evolution¹⁴ includes complimentary features such as:

- **Tissue Velocity Mapping (TVM):** offering Tissue Doppler analysis, both Colour and spectral signal, for cardiac wall motion analysis;
- **Compass M-Mode (CMM):** to improve M-Mode display during cardiac examinations and to acquire detailed data even in hard-to-scan patients with difficult to reach heart access or positioning.
- **AutoEF:** to perform Automatic Ejection Fraction calculation. This tool provides border tracking estimation, LV Volume over Time: Vd (Diastolic Volume), Vs (Systolic Volume), and EF (Ejection Fraction)
- **VPan:** a revolutionary extension to real-time imaging which conventionally supplies only a partial view of the body region being examined.



MyLab[™]Alpha



MyLab[™]Seven

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Technology and features are system/configuration dependent.
 Specifications subject to change without notice. Information might refer to products or modalities not yet approved in all countries.
 For further details, please contact your Esaote sales representative.

