General Imaging

The Premium Ultrasound Choice

MyLab Gold Platform

esaote

Sonomedica

The Premium
Ultrasound Choice

MyLab GOLD PLATFORM

MyLab™70 XVG
MyLab™70 XVision
MyLab™60

> Quality

> Flexibility

> Workflow

> Value

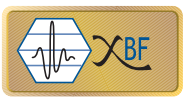
MyLab Gold Platform

Impressive Image Quality
Advanced Architecture
Software-Based Updating
Easy and Fast Interfacing
Unique Versatility

- **Impressive Image Quality:** The MyLab Gold Platform provides a new standard of image quality in all modalities and in a a wide range of applications, including standard cardiology, advanced cardiology and vascular.
- **Advanced Architecture:** The MyLab Gold Platform is based on the most updated electronic and informatics architectures and is able to manage even the most recent developments in signal processing and treatment.
- **Software-Based Updating:** Due to the sophisticated architecture, the continuous technological evolution in the medical field can be available to the users merely through software upgrades. Specific upgrading kits can easily improve the performance of the MyLab systems and enable new functions or technologies, always ensuring the most updated diagnostic capability.
- **Easy and Fast Interfacing:** The MyLab Gold Platform translates the potential of informatics into consistent clinical values. Sophisticated calculations and post-processing elaborations are normally performed on powerful workstations, which is why the MyLab Gold Platform has been designed with unlimited capabilities in data transferring and sharing.
- **Unique Versatility:** The MyLab Gold Platform allows the systems to continuously evolve, ensuring the system configurations are always updated and satisfying the most demanding clinical environments. This guarantees the value of the investment into the future.

eXtended Modular Architecture

MyLab Gold architecture allows unlimited solutions in modularity, offering extreme flexibility in system configurations. Intelligent parallel signal elaboration allows to face any computational process and additional function not affecting performance and speed.

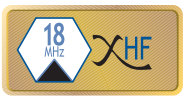


eXtreme Beam Former

The latest generation beamformer allows complex pulse design and advanced management of excitation waveform. As a result of the complete linear chain, the system can reach unmatched performance in all modalities, including standard and harmonic imaging.

eXtreme Focusing Technology

A perfect combination of high-level components, technologies and solutions enable enhanced spatial focalization and resolution, obtaining detailed and noise-free imaging in all modalities and applications.



eXtreme HF Imaging

The superior limit of the bandwidth (up to 18 MHz) offers very detailed and precise imaging in superficial imaging. The multiple transmission frequency allows the same probes to scan deep and superficial structures at the same time increasing productivity.

eXtreme View

XView represent the latest version of real-time complex image processing algorithm. XView elaborates the pattern of every single frame at the pixel level, eliminating speckle and noise artifacts, dynamically enhancing tissue margins, improving tissue conspicuity and increasing diagnostic confidence.

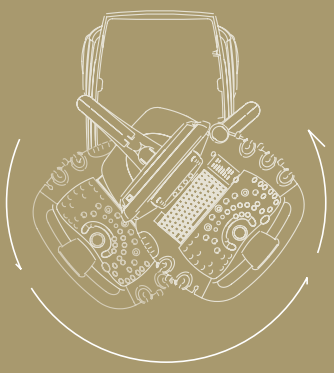
MView

MView is Esaote's revolutionary technology which improves quality of ultrasound images by reducing the presence of artefacts, shadowing and speckle.

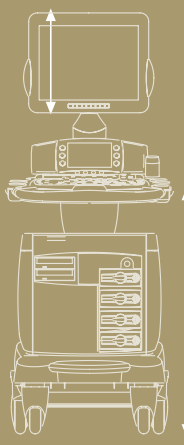
RF

The RF Data Technology makes possible to measure Intima Media vessel wall thickness (IMT) and Arterial Stiffness automatically and accurately by means of Radio Frequency Data (RF) Technology.

Extending
Ergonomics and Design



Control Panel Rotation ± 50°



LCD Height Adjustment*
+165 mm -1610 mm
** only for MyLab70XVG adjustable LCD*

Control Panel Height Adjustment
880 mm - 1030 mm

User comfort and satisfaction
is reflected in diagnostic
confidence and clinical results.

MyLab Gold Platform

GOLD PLATFORM

All-Inclusive Platform
New Transducers
One-Touch Workflow
Automatic Controls
RF Output

Esaote has always been recognized as a leader in ergonomics, design and simplicity of use. To maintain this leadership, appreciated by users and recognized by international awards, the all the MyLab systems have been designed together with the operator. This design concept recognizes that the operator has the most important role in clinical workflow, and that the system should be a reliable assistant.The comfort and satisfaction of the users is reflected in increased diagnostic confidence.

- Low eyestrain, high-quality LCD monitor
- Compact dimension and easy maneuverability
- Adjustable keyboard and monitor
- Four low-friction wheels with brakes
- Complete and back-illuminated control panel including full-size alphanumeric keyboard
- Secondary control panel or LCD monitor with mode-dependent keys and controls
- Easy and comfortable peripherals location
- Dedicated controls to save user preferences and quickly use the optimal presets (default) to optimize image quality

All-Inclusive Platform

The most up-to-date choices in platform design deliver unlimited potential in upgrading as well as dedicated software kits. The configuration of the systems can be easily changed or updated via personal USB memory drive, CD/DVD.

New Transducers

Thanks to the IQ probe technology and the Appleprobe design, the new family of transducers is very light and ergonomically designed in order to reduce the strain of daily use. The extremely wide bandwidth produces impressive results and optimizes the systems' configuration.

One-Touch Workflow

The MyLab Gold Platform has been designed to be compliant with the latest clinical protocols; dataflow is organized to export clinical results in any format by merely pressing a button.

Automatic Controls

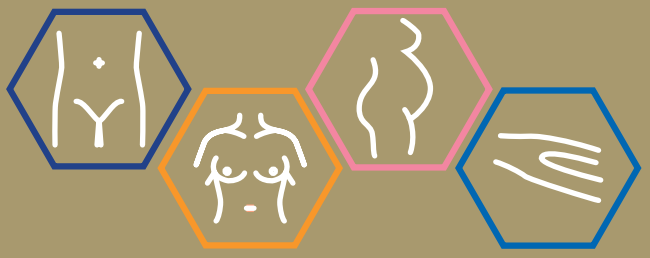
Designed to help users in their daily clinical activity, the MyLab Gold Platform is equipped with the latest solutions in automatic controls: Automatic Gain Control(AGC) sets the optimized level of B-Mode imaging without needing time to adjust the TGC and overall gain. Once the Doppler trace is activated, it optimizes the profile visualization, and the Automatic Doppler Measurement (ADM) provides a fast and precise evaluation of the most important clinical parameters.

RF Output

The MyLab Gold Platform is equipped with a dedicated output for the RF signal. This is an important feature for further expansions, which can extend the diagnostic capabilities of the standard ultrasound system.

Advanced Technologies

Latest Innovations in Your Hands



MyLab™70 XVG

MyLab™70 XVision

MyLab™60

TEI™

Tissue Enhancement Imaging

The superb contrast and detailed resolution of TEI technology give you the diagnostic edge. Thanks to the wide bandwidth of the Esaote's transducers, the harmonic signal is fully preserved without degradation of the acoustic information. Easy-to-use, one-button access and quick response time make TEI a true technological advantage in routine ultrasound use.

XView

Real-Time Adaptive Algorithms

XView is Esaote's revolutionary technology that improves image quality during the acquisition, processing and display stages. Using aspects of resolution, post-processing and averaging image enhancement techniques, XView dramatically enhances tissue margins and conspicuity, without any negative manipulation of the final image or loss of frame rate. The resulte: Diagnostic Confidence Increase.

MView

Powerful Suppression Image Enhancement

MView is Esaote's revolutionary technology which improves quality of ultrasound images by reducing the presence of artefacts, shadowing and speckle. Different pulses from different angles, correlated to form one final image, give the possibility to obtain dramatically enhanced contrast and detailed resolution. This provides an increased visualization of borders and interfaces.

Elaxto

Further step towards tissue characterization

Non-invasive method to support the physician in assessing tissue elasticity. The differences in tissue responses are detected and visualized in real-time by the elaXto processing algorithms through different graphical representations.

RF QAS - RF QIMT

Innovation and Accuracy in Vascular Imaging

The measurements that are 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. It makes it possible to measure automatically and accurately the positions of the anterior and posterior blood vessel wall, providing blood vessel wall diameter, change in diameter and blood vessel wall thickness of an artery as a continuous function of time.

CnTI™

Contrast Tuned Imaging

Esaote's proprietary CnTI™ (Contrast Tuned Imaging) provides high performance contrast enhanced ultrasound imaging with second-generation contrast media. Intermittent and real-time low-MI modalities give optimal results in left ventricle opacification (LVO) and myocardial perfusion analysis, both in rest and stress examinations.

Virtual Navigator

Fusion Imaging

Virtual Navigator is a revolutionary technology able to combine the advantages of real-time ultrasound imaging with CT/MR images' high spatial and contrast resolution. Virtual Navigator is fully integrated in the systems, enabling the user to easily switch between Fusion Imaging and the standard environment.

X4D Imaging

Discover a New Dimension

All the technologies and features in 2D imaging are the basis on which sophisticated algorithms are able to deliver outstanding 3D/4D volume reconstuctions. The latest X4D technology makes volumetric scanning easier than ever.

Shared Service Package

Full Interdisciplinary Solution

The shared Service Package allow the Gold Platform to extend high performance to any shared service department providing application dedicated solutions, cost savings and increased productivity.

MyLab Desk

Coherent Workstation Software

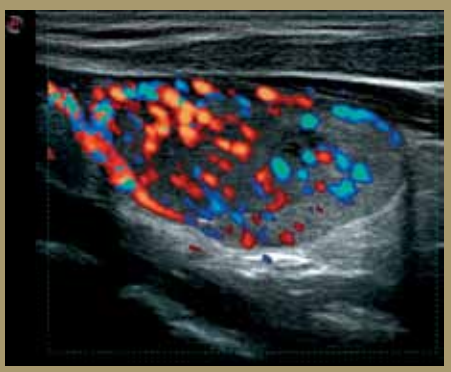
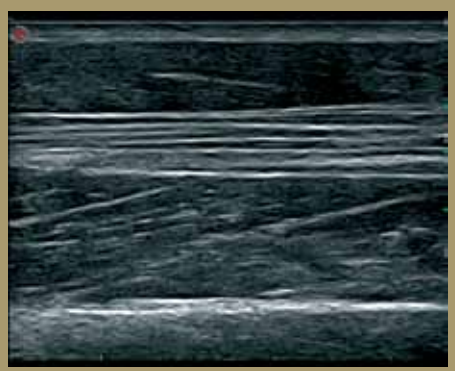
MyLab Desk, Esaote's latest image management solution, is an option to meet the needs of private offices, increase workflow and productivity. MyLab Desk installs the MyLab systems' user interface on a standard PC, offering a comfortable reviewing and processing station based on all the PC's available functions.

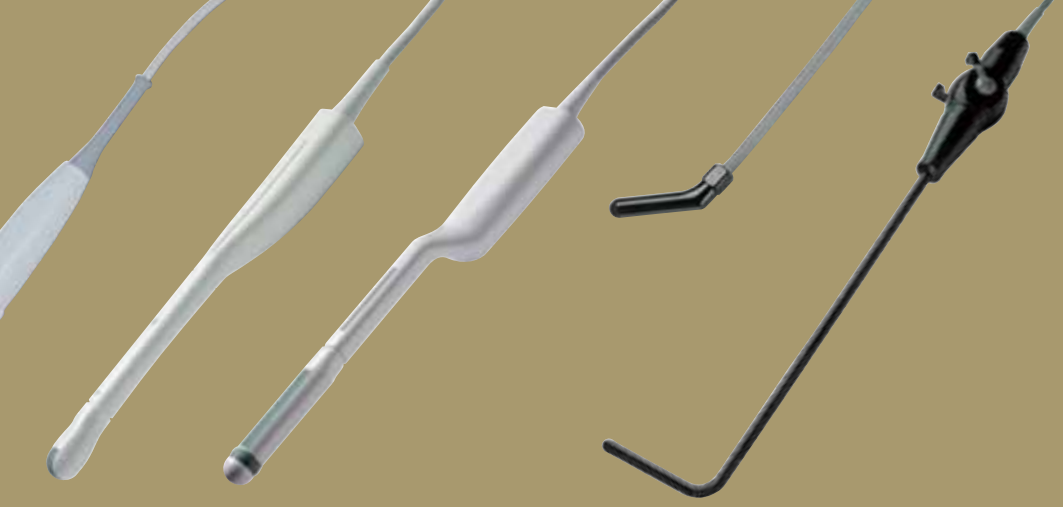

esaote
NEW PT
EXAM LIST
DB NAV/RT
MENU
ACTION
REPORT
MEASURE
ABNOT

Extending
Diagnostic Confidence

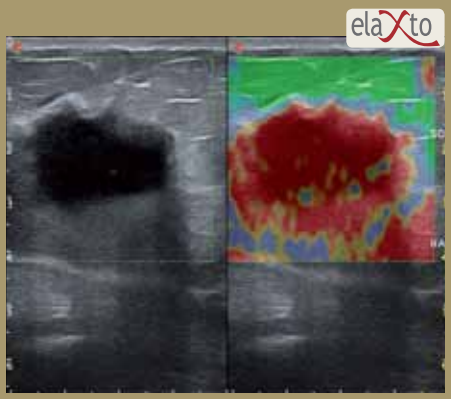


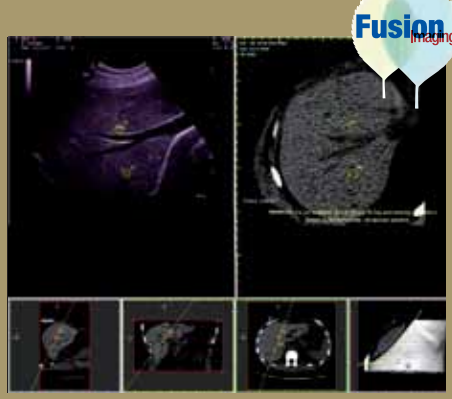


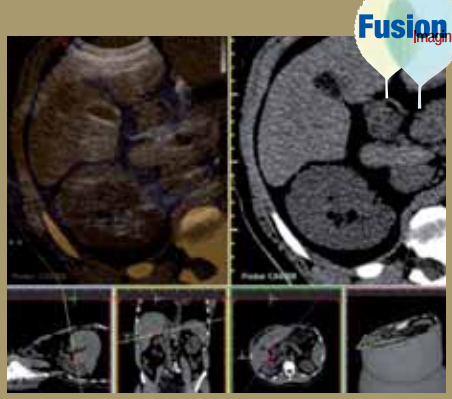





MyLab Gold Platform







Extending
Connectivity and Data Sharing

Increase clinical workflow,
expand productivity and reduce
the cost of daily activities.

MyLab Gold Platform

Real-time archiving
Instant connectivity to PC environments
Up-to-date peripheral configuration
Wireless integrated connection
DICOM compliance
IHE compliance
MyLab Desk, BioPACS™, Org@nizer™

The high performance of the MyLab Gold Platform combined with extensive connectivity capabilities can increase clinical workflow, expand productivity and reduce the cost of daily activities.

This is a reality either in a bustling hospital department, where interfacing with the most updated network architecture is required or in private practice, where the reduction of the time-per-patient, the efficient management of single examinations, safe procedures for data archiving and backup are crucial.

All of these needs are satisfied by the advanced digital architecture, which offers several features and raise the standard of daily practice.

MyLab Desk, Esaote's latest image management solution, uses the MyLab systems' user interface and can be installed on a standard PC, offering a comfortable reviewing and processing station with all the PC's available functions and convenience.

- Real-time archiving of the active examination without disrupting the examination, without a decrease in performance during storing, without using "freeze". Just by pressing one button.
- **Instant connectivity to PC environments:** video clips and still frames can be exported to a PC quickly using a wide assortment of available formats and compressors.
- **Up-to-date peripheral configuration:** the MyLab Gold Platform is equipped with four USB 2.0 ports for fast and simple exporting of clinical data. Furthermore, the single examination or the internal archive can be easily exported to the DVD/CD burner for a structured and safe backup of clinical data.
- **Wireless integrated connection:** all peripherals supporting these communication protocols can be inserted into the local network structure to increase the efficiency and satisfy the technological requests of the most advanced departments.
- **DICOM compliance:** The MyLab Gold Platform can be easily integrated into the most advanced hospital architectures, as it fully implements all necessary DICOM classes (Store SCU, Media Exchange, Worklist, Print, MPPS, Storage Commitment).
- **IHE compliance(Integrating the Healthcare Enterprise):** the MyLab70 has been fully qualified according the IHE Technical Framework. The IHE initiative, sponsored by RSNA (Radiological Society of North America) and HIMSS (Healthcare Information and Management Systems Society), brings together medical equipment and information products from different manufacturers for defining, testing and demonstrating an efficient workflow in the hospital-wide connectivity.
- **MyLab Desk, BioPACS™-Org@nizer™ Suite** and other workstation direct connection capability: all the clinical data acquired and stored on the system, such as still frames, video clips and reports, can be easily transferred to an external workstation for further analysis (reviewing, measuring, reporting, printing,...) or for additional post-processing, based on sophisticated algorithms and applications running on a PC platform.

MyLab70XVision MyLab70XVG MyLab60

833 0815 000 (MA Rev. C)

ISO 13485:2003 ISO 9001:2000

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