

The Premium Ultrasound Choice

MyLab Gold Platform



The Premium Ultrasound Choice



GOLD

MyLabGoldPlatform

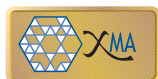
PLATFORM

Esaote has always been recognized as an innovator in medical technologies through the company's significant investment in research activities, constructive relationships with important scientific societies and strong support from advanced laboratories.

Esaote's expertise, combined with the contribution of opinion leaders and system users, has created unparalleled results in:

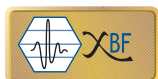
- **Quality:** providing impressive image quality in all modalities and applications, delivering well-balanced systems which integrate the latest technologies to consistently ensure the highest level of diagnosis.
- **Flexibility:** having the capability to fit perfectly into every medical environment, offering dedicated solutions to every single application and satisfying the needs of every unique operator.
- **Workflow:** thinking of the operator as the most important factor in the system's design has resulted in ergonomics and an immediate user-interface to increase users' comfort and clinical efficiency.
- **Value:** offering exactly what the operator needs and broadening the number of possible users through a flexible and modular architecture enhances the value of the investment and the diagnostic capability of every user.

Extending Technologies and Solutions



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.



**MyLab Gold Platform represents
the state-of-the-art in terms of
Technologies and Solutions**

MyLab Gold Platform

GOULD PLATFORM

Esaote's Research and Development departments selected the best solutions in components and engineering, in order to deliver systems with exceptional features:

- **Impressive Image Quality:** The MyLab Gold Platform provides a new standard of image quality in all modalities and in a wide range of applications, including abdominal, small parts, musculoskeletal, ob/gyn, vascular and cardiology.
- **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.

Tp-View
VPan
M-View
PBI

CnTI™
X4D Imaging
Virtual Navigator
Advanced Package

Extending Technologies and Solutions

Tp-View While using linear transducers and scanning extended structures in breast, vascular and musculoskeletal applications, the Tp-View feature permits the field of view to be enlarged without losing resolution.

VPan Increasing the field of view in real-time scanning is a very important feature in musculoskeletal and vascular applications. Having the entire anatomical structure displayed on the screen in real time with additional zoom, Color Flow Mapping and measurement features increases user confidence and more accurate diagnoses are possible.

M-View Combined contributions of standard and steered ultrasound beams allow optimized image quality for comfortable detection of every anatomical structure and help to eliminate doubts in the final diagnosis.

PBI (Pure Brilliance Imaging) Pure Brilliance Imaging technology optimizes and enhances the image quality by automatically utilizing the entire dynamic range available and providing automatic enhancement of the B-Mode image.

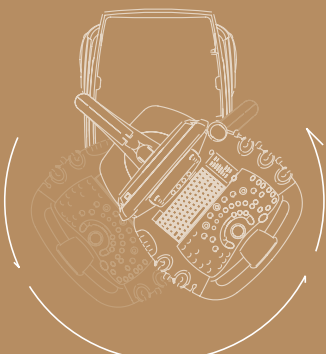
CnTI™ (Contrast Tuned Imaging) Esaote's revolutionary technology in combination with the latest generation ultrasound contrast agents provides impressive clinical results due to precise micro-bubble detection. The MyLab Gold Platform perfectly manages this technology in all modalities, all applications and all probes.

X4D Imaging All the technologies and features of the MyLab Gold Platform in 2D imaging are the basis on which sophisticated algorithms are able to deliver outstanding 3D/4D volume reconstructions. The latest real-time X4D technology makes volumetric ultrasound scanning easier and more effective than ever.

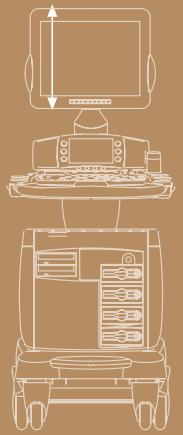
Virtual Navigator Virtual Navigator is a revolutionary technology able to combine the advantages of real-time ultrasound imaging with CT/MR images' high spatial and contrast resolution. Virtual Navigator is fully integrated in the systems, enabling the user to easily switch between Fusion Imaging and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

Advanced Package The MyLab Gold Platform allows detailed evaluation in several applications. In particular, the Advanced Vascular Package and the Advanced Cardiac Package provide the most updated methods and technologies available for precise assessment of vessels and heart functionality.

Extending Ergonomics and Design



Control Panel Rotation $\pm 50^\circ$



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.**

MyLabGoldPlatform

MYLAB GOLD PLATFORM

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

New Transducers

One-Touch Workflow

Automatic Controls

RF Output

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

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.

The Unexplored Side of Ultrasound

Energy
Equilibrium
Prestige
Innovation
Style
Quantification

As result of close cooperation between renowned reference sites and Esaote's advanced R&D laboratories, the MyLab70XVG was developed to deliver a premium-end ultrasound platform while maintaining modularity and flexibility as core aspects of its architecture.

The MyLab70XVG guides the operators in discovering "The Unexplored Side of Ultrasound".

Energy

The innovative MyLab Gold Platform is the core of the system. Its advanced architecture (XMA, XBF, XFT) elevates the level of components and unmatched processing capabilities to deliver a complete platform with exclusive performance, up-to-date technology and unlimited upgrading capability.

Equilibrium

Versatility is one of the most important characteristics of a premium high-end system. The XView, M-View, XHF technologies offer a wide range of imaging processing tools to reach the highest level of clinical results in all the applications and all the modalities.

Prestige

The powerful platform of Mylab70XVG easily translates outstanding 2D image quality into 3D and 4D. The perfect integration between the system and the dedicated transducers provides detailed and precise acquisitions and reconstructions, making clinical results more comprehensive and reliable. 4D imaging increases diagnostic confidence, reduces the time-per-patient and improves patient comfort.

Innovation

Esaote's recognized leadership in ergonomics, design and simplicity of use is evident in every product in the MyLab World. User comfort and satisfaction are reflected in diagnostic confidence, clinical results and daily productivity. The ergonomics of the MyLab70XVG confirm the premium class of the system: ultimate solutions to ensure unmatched user comfort and reduce repetitive stress injuries due to daily activities:

The adjustable streamlined LCD arm allows the display to be positioned for greater productivity with just a touch.

An additional LCD control screen simplifies application-dedicated controls. New-generation transducers, lightweight and ergonomically designed, ensure handling stress reduction and optimal working postures.

Style

The integrated RF output allows the pure signal to be managed, including an elevated content of information not used for standard elaborations. Sophisticated algorithm compatibility permits clear mapping of the tissues under examination and identifies the areas with different physical and structural characteristics (liquid, solid, elastic, ... and even more). These results give an important non-invasive contribution to tumor assessment and establish a new frontier in tissue characterization.

Quantification

The MyLab70XVG integrated data management system provides different levels of signal processing. Quick access to real-time measurements and reports provides an easy approach to the daily routine. Furthermore, advanced post-processing analyses allow even the most advanced modalities (i.e. Contrast agent imaging, Wall Tracking Motion, RF signal, ...) to be quantified.



Gold Platform

Extending Ultrasound Capabilities

Exclusiveness

Versatility

Communication

The first system of the innovative MyLab Gold Platform, the MyLab70 X_{Vision}, was immediately accepted by users as reliable in all applications. Further specific features and clinical tools recently introduced in the platform make the MyLab70 X_{Vision} even more attractive and define it further as an ideal partner for very demanding operators working in radiology, oncology, vascular, musculoskeletal and many other medical fields.

Exclusiveness

The built-in Virtual Navigator technology represents the most up-to-date level of Fusion Imaging, able to match Ultrasound and CT/MR Imaging. The MyLab70 X_{Vision} perfectly integrates this revolutionary technology, which offers an exclusive approach to interventional procedures.

Versatility

The MyLab Gold Platform has been developed to meet the requirements of every clinical environment and is an optimal choice both for hospitals, clinics and private offices. Specific packages enrich the level of the configurations to deliver personalized solutions to satisfy any particular need.

Communication

The MyLab Gold Platform connectivity guarantees the latest communication and data management features. The systems function within the most advanced hospital architectures, but also offer also an immediate solution to PC format conversion. As result, the MyLab Gold Platform can increase efficiency and improves patient throughput in every clinical situation.



MyLab60™

Tailored Ultrasound Solutions

Consistency
Rationality
Fidelity

The MyLab60 is a new concept in terms of product development. The system delivers optimal, application-specific, tailored solutions to its users.

Consistency

The MyLab60 is a clear example of consistency: the platform on which it has been designed ensures a high-level of performance at each examination. All the basic modalities respect the high standard of this class of system, and additional features and data compatibility ensure further elaborations and more detailed analyses when necessary.

Rationality

The tailored solutions that the MyLab60 offers give the operators exactly what they need, avoiding any extra cost for features or functions not related to their standard activities. The MyLab60 is a very skilled assistant, an ideal long-term investment.

Fidelity

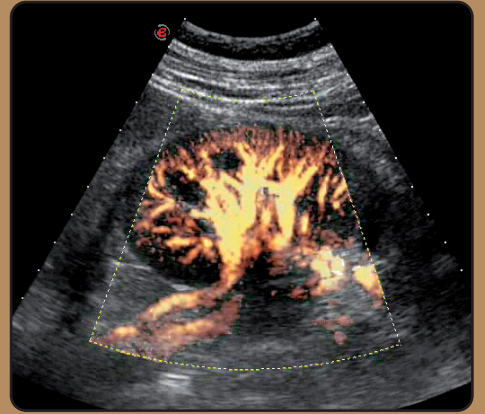
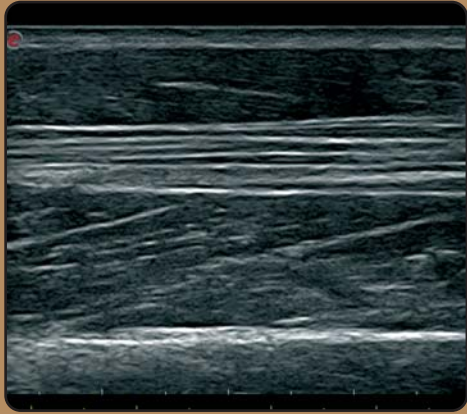
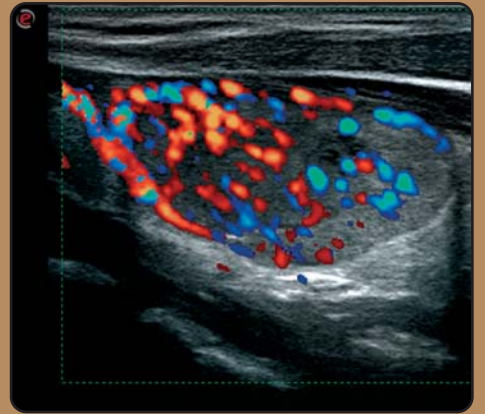
This innovative ultrasound system fits perfectly in any private office or hospital department and, thanks to its modularity, is the right solution for both general purpose and shared-service clinical environments. Operators will never want anything else!

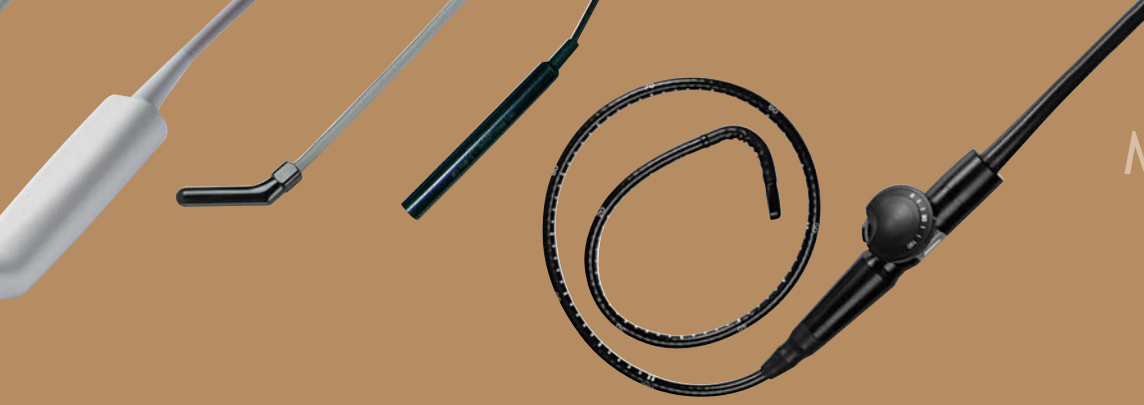


Gold Platform

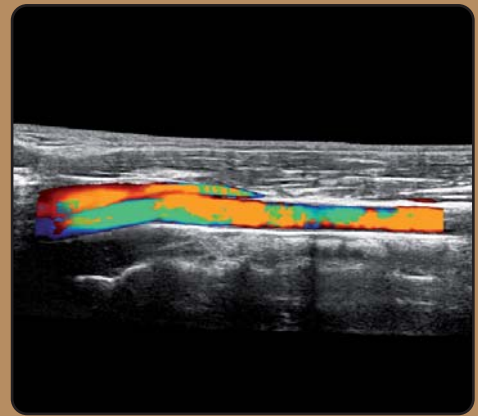
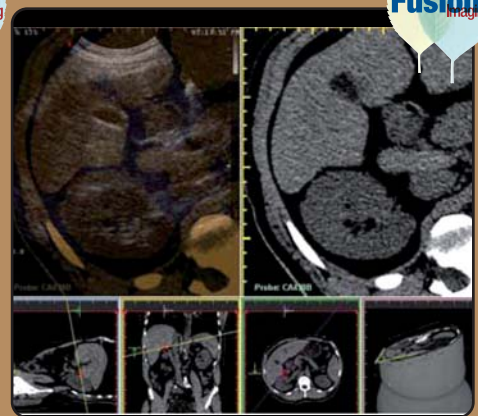
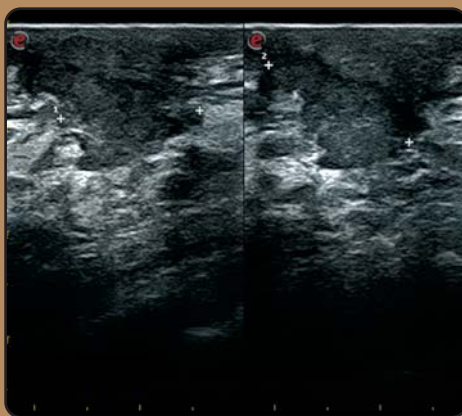


Extending Diagnostic Confidence





MyLab Gold Platform



Extending Connectivity and Data Sharing



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

MyLabGoldPlatform

GOULD PLATFORM

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, is an option to increase workflow and productivity in both private offices, as well as clinic and hospital departments. MyLab Desk 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

Instant connectivity to PC environments

Up-to-date peripheral configuration

Wireless integrated connection

DICOM compliance

IHE compliance

MyLab Desk, BioPACS™, Org@nizer™

- **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 to 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.



MyLab70X Vision MyLab70XVG MyLab60



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