

The Premium Ultrasound Choice

MyLab Gold Platform



The Premium Ultrasound Choice

MyLab70 XVG

MyLab70 XVision

MyLab60





eXtended Modular Architecture

MyLab Gold architecture allows unlimited solutions in modularity, offering extreme flexibility in system configurations.



eXtreme Beam Former

The latest generation beamformer allows complex pulse design and advanced management of excitation waveform.



eXtreme Focusing Technology

A perfect combination of high-level components, technologies and solutions enable enhanced spatial focalization and resolution.



eXtreme HF Imaging

The superior limit of the bandwidth (up to 18 MHz) offers very detailed and precise imaging in superficial imaging.



eXtreme View

XView represent the latest version of real-time complex image processing algorithm, eliminating speckle and noise artifacts, dynamically enhancing tissue margins and conspicuity.



MView

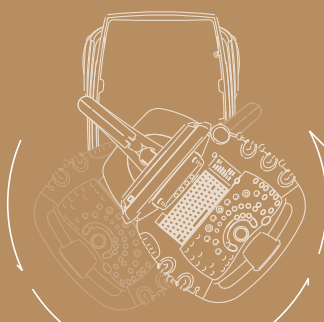
MView is Esaote's revolutionary technology which improves quality of ultrasound images by reducing the presence of artefacts, shadowing and speckle.

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.

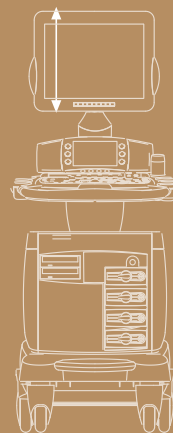
- **Quality:** providing impressive image quality in all modalities and applications, delivering well-balanced systems which integrate the latest technologies to consistently ensure the highest level of diagnosis.
- **Flexibility:** having the capability to fit perfectly into every medical environment, 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.

- **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 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.

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 are reflected in diagnostic confidence and clinical results.

MyLab Gold Platform

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. The "appleprobe", exclusive solution introduced by Esaote has been recognized as one of the newest innovations in ergonomics as well as a brilliant answer to customer needs and requests.

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 Cardiac and Vascular Package

Latest Innovations in Your Hands



TEI TM

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 result: Diagnostic Confidence Increase.

Compass M-Mode

Orientable processing line

The innovative Compass M-Mode tool allows up to two M-Mode lines to be placed and multiple measurements to be made on one image without moving the patient, an ideal approach to increasing patient throughput while maintaining diagnostic precision.

TVM

Tissue Velocity Mapping

TVM, Tissue Velocity Mapping, provides a complete Wall Motion Analysis for both systolic and diastolic myocardial function evaluation. This PW Doppler-associated technology allows the user to measure velocity, local acceleration and to obtain rapid quantification (i.e., displacement of the walls). Finally, the kinetic activity of the heart can be easily quantified by using the TVM.

Stress Echo

Comprehensive package

The Stress-Echo package with programmable protocols and multi-format reviewing capabilities is ideal for the accurate monitoring of all cardiovascular pathologies.

CnTI TM

Contrast Tuned Imaging

Esaote's proprietary CnTITM (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.

XStrain

2D-Based Strain-Strain Rate

The innovative XStrain technology provides an advanced and angle-independent, 2D imaging-based tool for analyzing myocardial velocities, strain and strain rate detection. The quantification of these parameters is the most promising clinical technique for the early detection of myocardial contractility and distensibility impairment. XStrain provides an unmatched level of diagnostic capability allows an innovative approach to further clinical procedures (i.e. CRT - Cardiac Resynchronization Therapy).

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.



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.

RF QIMT

Innovation and Accuracy in Cardiovascular Imaging

The RFQIMT technology provides accurate real-time IMT measurements, which in addition to traditional parameters is very helpful to understand arteriosclerosis, its severity and progression. The accurate RF-based cardiovascular management allows a precise evaluation of patients' vascular conditions, on which prevention, treatment and followup plans can be defined. Quality, ease of use, completeness and innovation identify Esaote solution as one of the most advanced available in the market.

Extending Connectivity and Data Sharing



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

MyLab Gold Platform

GOLD 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, 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

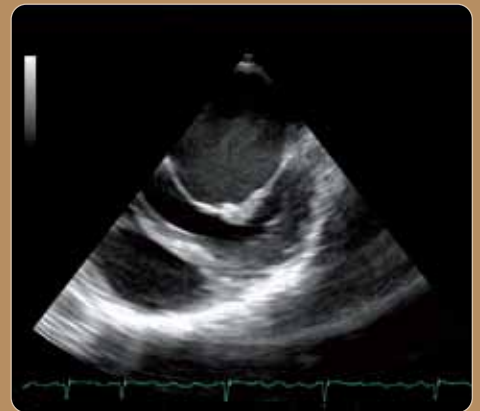
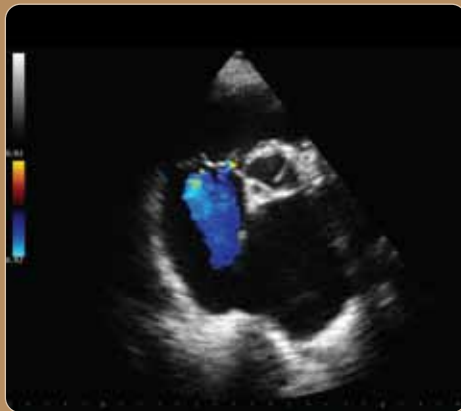
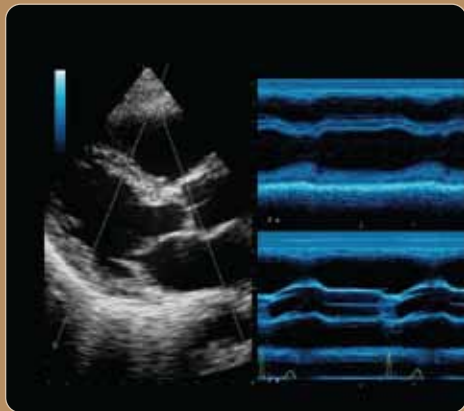
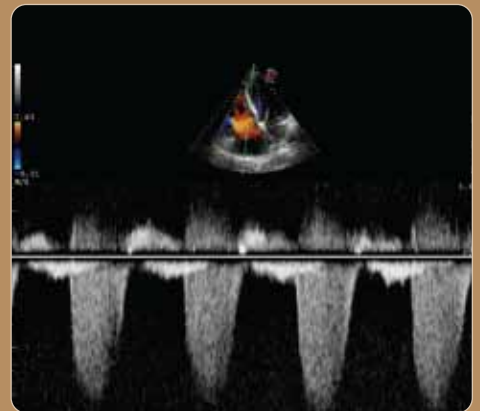
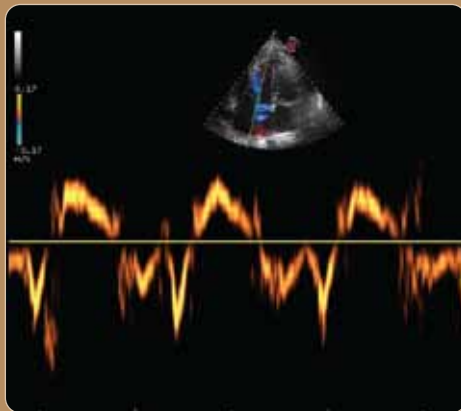
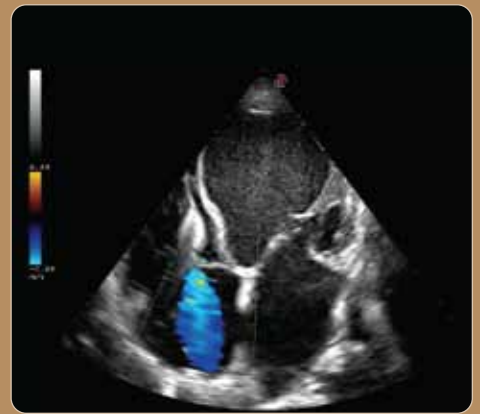
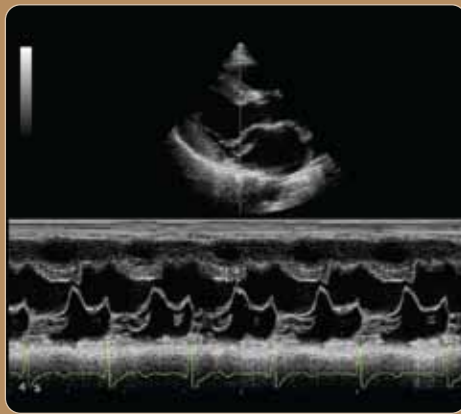
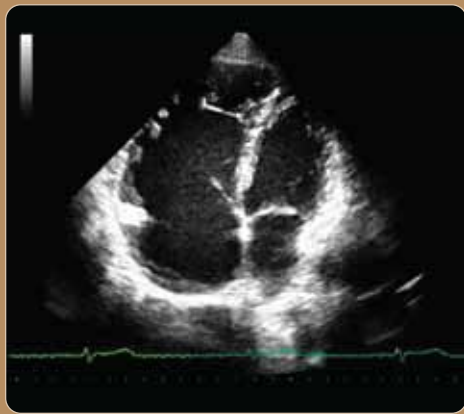
IHE compliance

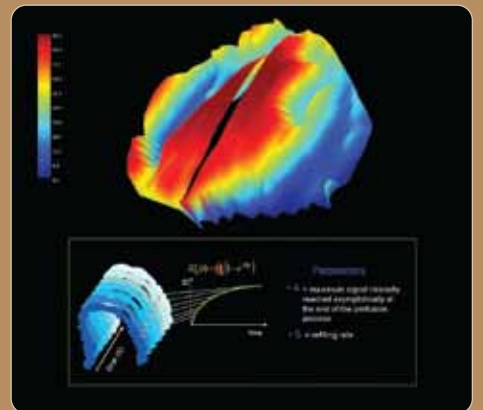
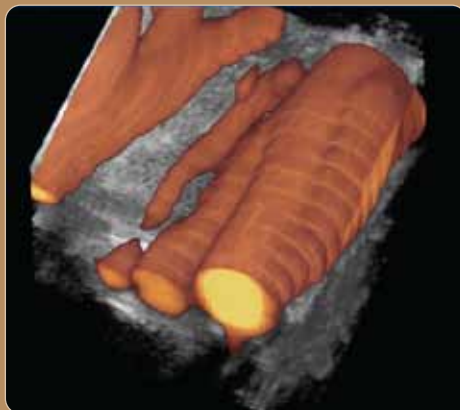
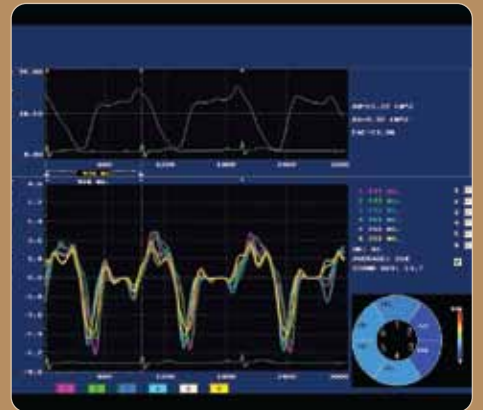
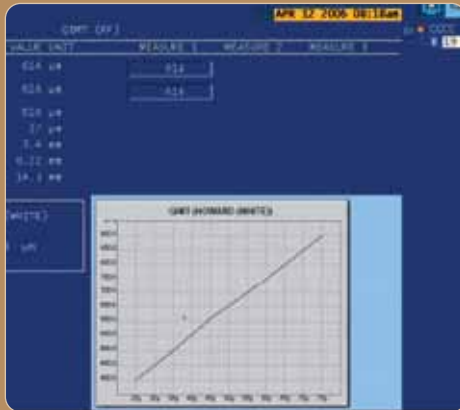
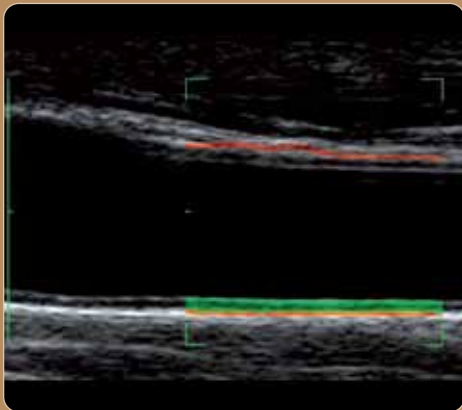
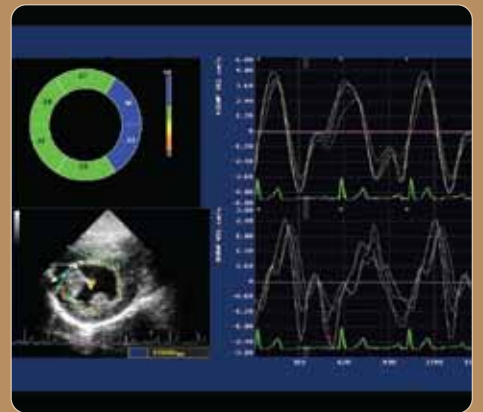
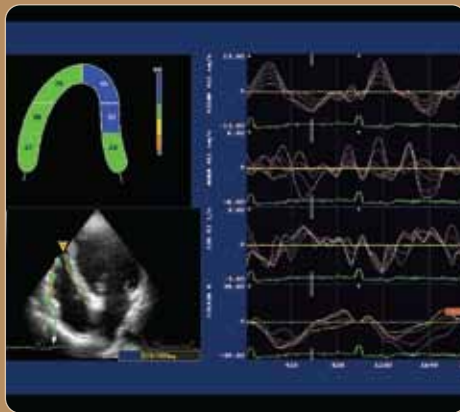
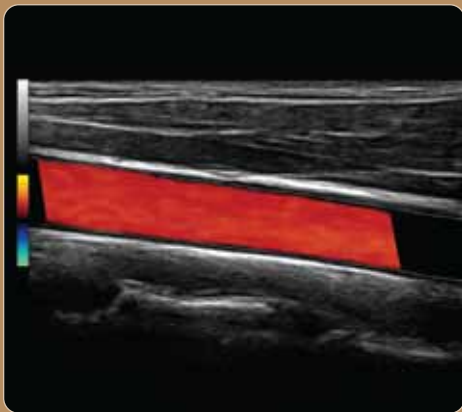
MyLab Desk, BioPACS™, Org@nizer™

- **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.



Extending Diagnostic Confidence







MyLab70XVision MyLab70XVG MyLab60



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