

General Imaging

Full Service without Compromise

MyLabTM40



esaote



No Compromises

- > Color, CW and PW Doppler Imaging
- > Phased Array, Convex, Linear and Endocavity Probes
- > Modular Architecture



The **MyLab40** is a compact console ultrasound system designed to be the ideal solution for the shared-service ultrasound department or clinic.

Developed on the acclaimed MyLab platform, the **MyLab40's** license-based modular architecture can be configured to meet the individual needs of its users in various applications.

The **MyLab40's** high sensitivity color and CW and PW Doppler images are displayed on its 19" LCD monitor, increasing user comfort and reducing eyestrain.

A wide selection of optional features, in addition to a complete range of phased array, convex, linear and endocavity transducers, make the **MyLab40** truly a full service system without compromising image quality or ease-of-use.



- > Multi-Frequency Broadband Transducers (up to 18 MHz)
- > CnTI™ - Contrast Tuned Imaging
- > VPan - Panoramic Imaging



> Radiology/Abdomen

The MyLab40's wide range of available broadband transducers allows the user to choose the best probe for every abdominal examination, producing exceptional high-resolution and artifact-free images.

Esaote's proprietary CnTI™ (Contrast Tuned Imaging) technology uses a sophisticated signal-processing algorithm to obtain impressive response from contrast agents both in intermittent or real-time low-MI modalities.

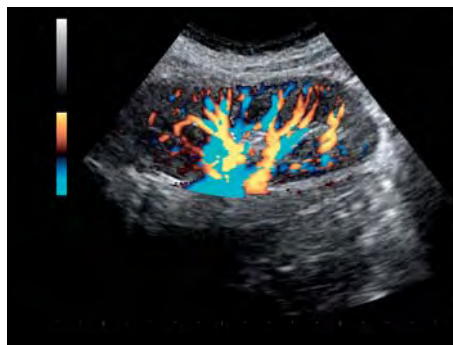
This can improve the ability to detect and characterize focal lesions, as well as raise user confidence.

> Small Parts/Musculoskeletal/Breast

High sensitivity and resolution Color Doppler (CFM) and Power Doppler assist the MyLab40 user in reaching precise and reliable fluximetric diagnoses in superficial examinations. The available high-frequency probes can obtain exceptional images in the higher part of the bandwidth. This allows microvascularization to be detected very precisely. Additionally, the panoramic images obtained with Esaote's VPan technology are displayed with an expanded field of view, something especially valuable in the examination and diagnosis of muscles and soft tissues.



Liver



Kidney in Power Doppler



Breast



- > TEI™ - Tissue Enhancement Imaging
- > Compass M-Mode
- > TVM - Real-time Tissue Velocity Mapping



> Cardiology

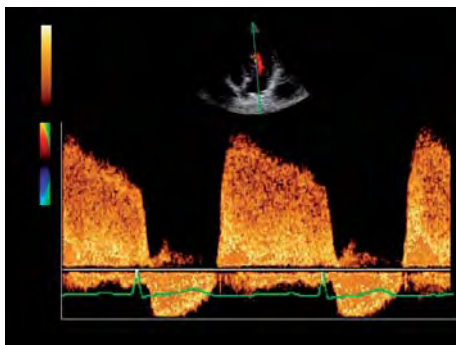
The MyLab40's phased array transducers make it an ideal system for basic cardiology examinations. The standard TEI™ (Tissue Enhancement Imaging) feature increases image resolution by minimizing artifacts and is available on all probes.

The innovative Compass M-Mode option allows up to two M-Mode lines to be placed and multiple measurements to be made on one image without moving the patient. By assigning different colors to the heart's tissue based on its instantaneous velocity, real-time TVM provides a complete wall motion analysis for both systolic and diastolic myocardial function evaluation.

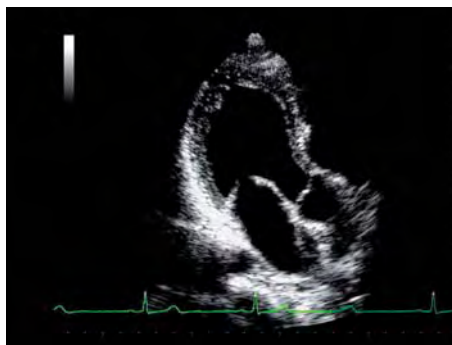
> Vascular

The multifrequency, ergonomic and lightweight linear and microconvex probes available with the MyLab40 allow the system to produce optimal images in all aspects of vascular imaging. The automatic Doppler tracing feature is an easy-to-use tool for Doppler spectrum analysis and can help to improve efficiency and increase workflow.

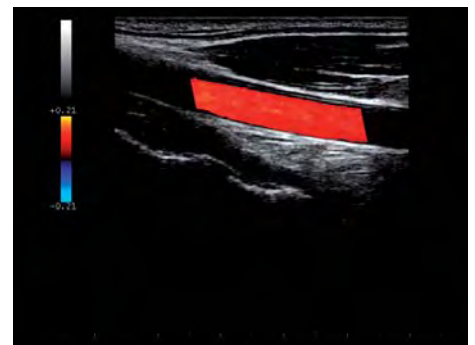
High-quality images in terms of contrast resolution and signal-to-noise ratio are a result of the MyLab40's TEI feature, an added advantage in vascular imaging.



CW Doppler



Three-chamber view of the heart



Carotid artery in CFM



- > X4D Technology
- > 200° Endocavity Transducer
- > Extended Measurements & Reports



> Obstetrics/Gynaecology

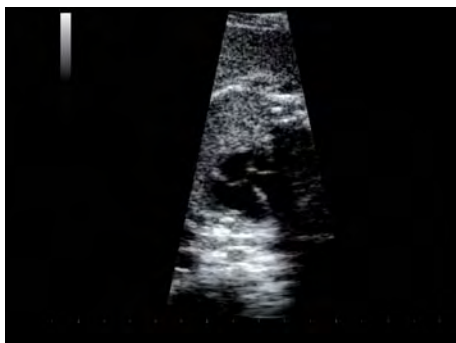
Esaote's unique 200° field-of-view endocavity transducer, automatic pulsatility and resistive index (PI, RI) calculation and Doppler tracing functions are just a few of the features that can assist **MyLab40** users in making easy and reliable diagnoses in OB/GYN applications.

The compact and light-weight volumetric transducer provides high resolution images, whereas X4D technology gives optimal real-time imaging for creating a good 4-D baby-face reconstruction.

> Urology

The high spatial and contrast resolution of Esaote's 200° field-of-view transducer makes the **MyLab40** an advantage to any urology department or clinic. Use of the endocavity probe together with the available biopsy kit can assist men's healthcare providers in making reliable diagnoses and designing treatment for prostate diseases.

TEI and CnTI are also available for Esaote's endocavity probe, adding an extra diagnostic capability to the **MyLab40**.



Fetal heart



4-D baby-face reconstruction



Fetal profile



- > IHE Compliance
- > Windows® and DICOM compatibility
- > MyLab Desk



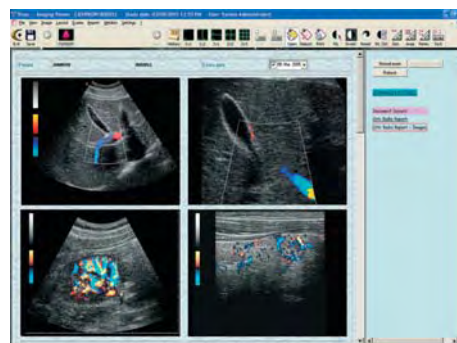
Limitless Connectivity

> USB, DVD Image Management

The MyLab40 integrates today's USB and CD/DVD image and data management capabilities. When selecting the final storage destination, the operator can easily choose from the integrated hard disk, DVD/CD burner, personal USB memory drive and/or network storage. Additionally, several types of USB and PC printers can be used. Having been tested and evaluated for efficient workflow in hospital-wide connectivity, the MyLab40 is also IHE (Integrating the Healthcare Enterprise) compliant.

> Post-processing Solutions

Esaote designs its ultrasound systems to be an integral part of a digital ultrasound department and not only a stand-alone piece of equipment. Therefore, the MyLab40 offers a direct connection to external workstations both in Windows® and DICOM environments. The modular configuration of the external workstation allows the user to choose his or her level of integration and offers the highest upgrade capability. The latest image management solution from Esaote, MyLab Desk, is an ideal solution for private offices, increasing their workflow and productivity. MyLab Desk installs the MyLab40's user interface on a standard PC, allowing comfortable reviewing and processing with all the features of the PC.





MyLabTM40



Windows[®] is a registered trademark of Microsoft Corporation



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

www.esaote.com

FRANCE
Esaote France S.A.R.L.
22, rue Pierre Grange, 94124 Fontenay-sous-Bois
Tel. +33 1 4871 2525, Fax +33 1 4871 3630
esaote.france@wanadoo.fr

GERMANY
Esaote Biomedica Deutschland GmbH
Max-Planck-Straße 27a, 50858 Köln
Tel. +49 811 9986 490, Fax +49 811 9986 4920
esaote@esaote.de

SPAIN
Esaote España S.A.
Avda San Sebastian, s/n 08960 Sant Just Desvern, Barcelona
Tel. +34 93 473 2090, Fax +34 93 473 2042
info@esaote.es

THE NETHERLANDS AND BELGIUM
Pie Medical Benelux B.V.
P.O. Box 1132, 6201 BC Maastricht
Tel. +31 43 3824650, Fax +31 43 3824651
benelux@pie.nl

INDIA
Esaote Asia Pacific Diagnostic Private Limited
F-1, Level 1, Global Arcade, Near Global Business Park,
M.G. Road, Gurgaon (Haryana)-122002
Tel. +91 124 4775600, Fax +91 124 4775699
amit.aggarwal@esaote.com

USA
Biosound Esaote Inc.
8000 Castleway Drive,
P.O. Box 50858, Indianapolis, IN 46250
Tel. +1 317 813 6000, Fax +1 317 813 6600
info@biosound.com

CHINA
Esaote China Ltd
18/F, 135 Bonham Strand Trade Centre,
135 Bonham Strand, Sheung Wan, Hong Kong
Tel. +852 2545 8386, Fax +852 2543 3068
esaote@esaotechina.com

RUSSIAN FEDERATION AND CIS
Esaote S.p.A.
18 Leningradsky prospekt, off. 5 and 6, Moscow 125040
Tel. +7 495 232 0205, Fax +7 495 232 1833
esaotemoscw@mtu-net.ru info@esaote.ru

ARGENTINA
Esaote Latinoamérica S.A.
San Martín 551, Cuerpo 'C', Piso 8, (C1004AAK) Buenos Aires
Tel. +54 11 4326 1832, Fax: +54 11 4328 1245
info@esaote.com.ar

UK
Esaote Europe BV
UK Branch Office, 400 Thames Valley Park Drive,
Reading, Berkshire. RG6 1PT
Tel. +44 118 965 3500, Fax +44 709 288 0231
ukinquiries@esaote.nl