



Image quality in a compact design

A woman with dark hair pulled back, wearing a white lab coat over a black top, stands with her arms crossed. In the background, a computer monitor displays a blurred interface. The text 'MyWork' is overlaid on the right side of the image.

**My**Work

**My**Patient

**My**System

**My**Lab

**My**Lab<sup>TM</sup>Six  
**CrystaLine**

- Penetration and details as never seen before
- Maximisation of signal information
- Enhanced diagnostic value
- Low power consumption
- More efficient healthcare



Outstanding image quality



Large probe portfolio



Ergonomics and ease of use



Broad connectivity options



Customisable workflow



Italian design

## Outstanding image quality



Difficult-to-scan patients are quite common in today's echo labs. The Esaote MyLabSix CrystaLine upgrade addresses these challenges by offering better penetration, optimal image contrast, increased spatial resolution and less speckle artefacts.

### Top-level image quality and haemodynamics evaluation tools.



**XView** Adaptive image enhancement



**MView** Multi-beam/Multi-angle insonation technology

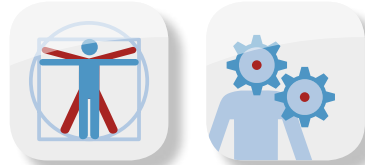


**HD CFM** High sensitivity and spatial definition Color Doppler



**XFlow** Advanced Hemodynamic visualization technology with spatial resolution

## Ergonomics and workflow



Reducing ultrasound examination time is a compelling request in sonographers' everyday work. Besides this, the numerous repeated actions performed during an examination can lead to work-related musculoskeletal disorders.

Our solution:

### Augmented ergonomics tools.

- **High-definition touch screen** in order to reduce repetitive distant movements up to 40%
- **Advanced AutoAdjust** for image gain and TGC adjustment with a simple touch of a button
- **eTouch** for having a task recorder working as a macro machine



**@Touch**



**High-definition Touch Screen**

## Large probe portfolio



During the real-time acquisition, the ultrasound probe is a continuously handled interface for the operator which can lead to hand stress and fatigue.

Our solution:

### Enhanced ergonomics probe solution.

- **Lightweight** and with **appleprobe ergonomics**
- **Reduce muscle strength** up to 70%
- **Increased confidence**



**Hockey stick probe**



## Broad connectivity options



All our systems are equipped with wired and wireless connectivity for easy networking and patient management.

## Extensive connectivity technology

- Easy networking
- DICOM and IHE compliance
- **MyLabDesk<sup>3</sup>** software for comfortable image review and reporting on your laptop or PC

## Italian design options



Esaote systems are being developed in Italy, recognised as a **worldwide trendsetting** location for (industrial) design.

## Innovative and efficient design

- Unique architecture
- Original Italian concept



0° biopsy convex probe



MyLabDesk<sup>3</sup>



appleprobe

The consistent solution for...



Less examination time



Increasing number of patients



Numerous repeated actions

## General imaging

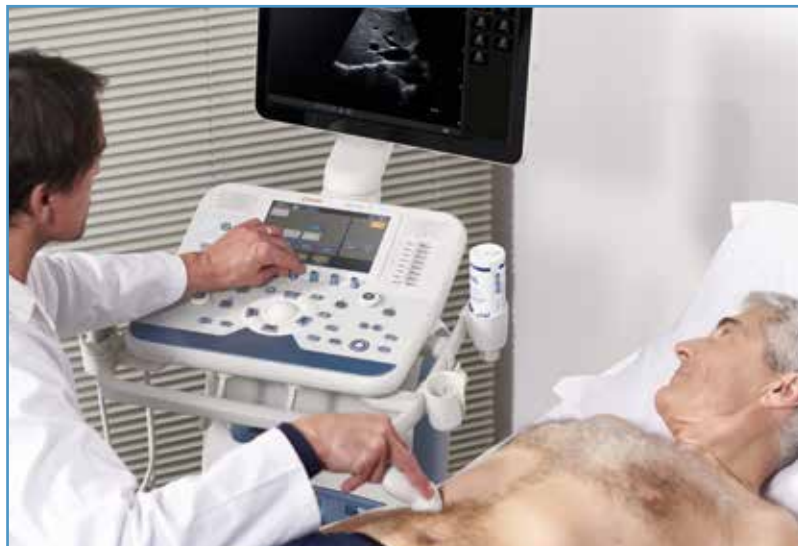


### Advanced diagnostic tools:

- VPan: Extended field-of-view imaging
- Needle enhancement for clear visualisation of needle insertion and path
- 3D/4D reconstruction software with multiple volume management and dedicated tools

### Large selection of probes:

- Convex array probes for difficult-to-scan patients
- Linear array probes from 3 to 22 MHz
- Biopsy-dedicated convex probe with 0°, 5°, 15° needle insertion angle
- Transrectal dual array and endocavity probes
- Microconvex array probe



## MSK

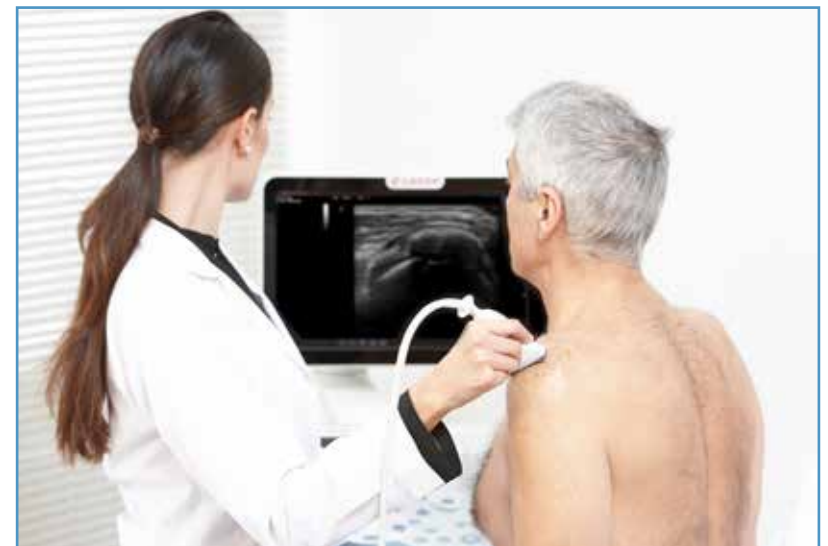


### Advanced diagnostic tools:

- Needle enhancement for clear visualisation of needle insertion and path
- VPan: Extended field-of-view imaging

### Large selection of probes:

- Linear array probes from 3 to 22 MHz
- High-frequency hockey stick probe



# Obstetrics and Gynaecology



## Advanced diagnostic tools:

- 3D/4D reconstruction software with multiple volume management dedicated tools
- TMI (tomographic imaging) for multiplane view of the reconstructed volume
- TSI (thick slice imaging) to enhance a selected portion of the full reconstructed volume
- VRA (volume rendering analysis) for 3D measurements and evaluation

## Large selection of probes:

- Convex array probes for difficult-to-scan patients
- Biopsy-dedicated convex probe with 0°, 5°, 15° needle insertion angle
- 3D convex lightweight probe
- 2D and 3D endocavity probes



# Cardiology and Vascular



## Advanced diagnostic tools:

- TVM (tissue velocity mapping)
- CMM (compass M-mode) on multiple view lines
- QIMT: Radiofrequency-based IMT for real-time quality measurement assessment and top precision
- Stress Echo for cardiac function assessment during stress (prospective/retrospective/continuous capture)
- Respiratory trace ECG-derived data ready for the most demanding cardiac measurements
- XStrain 2D and 4D off-line (through MyLabDesk<sup>3</sup>) speckle tracking for myocardial strain and strain rate assessment

## Large selection of probes:

- Phased array probes for adult and paediatric patients
- TEE probe
- Linear array probes from 3 to 22 MHz
- Microconvex array probe
- High-frequency hockey stick probe
- Doppler pencil probes with low, mid and high frequency TCD examination





**e Design**  
LESS Complexity  
MORE Results

**e Product**  
LESS Energy Required  
MORE Efficient Healthcare

# MyLabSix<sup>TM</sup> CrystaLine

## Thank you for considering Esaote

Where listen to your needs and work every day to provide the most advanced technologies and the most innovative design for you to excel in the care of your patients



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Technology and features are system/configuration dependent. CnTI<sup>TM</sup>: The use of Contrast Agents in the USA is limited by FDA to the left ventricle opacification and to characterization of focal liver lesions. MyLab<sup>TM</sup>Desk SW only viewer is not intended or provided for an official diagnostic interpretation. Specifications subject to change without notice. Information might refer to products or modalities not yet approved in all countries. Product images are for illustrative purposes only. For further details, please contact your Esaote sales representative.

Please visit us online  
for more information

