



# General Imaging



Radiology



Small Parts



MSK

## 0° Biopsy Convex Probe SI2C41

Clinical Need

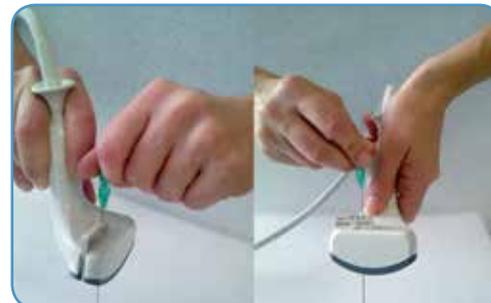
More and more doctors, sonographers and clinical practitioners require portable ultrasound solutions to perform precise biopsy procedures.

Solution

The SI2C41 with superior image and Doppler quality is a dedicated IQ probe for biopsy and intervention procedures, thanks to its 0°-5°-15° biopsy angle.

Advantage

The SI2C41 IQ probe is lightweight and appleprobe ergonomics reduce physical stress for long intervention sessions with a range of comfortable grips.

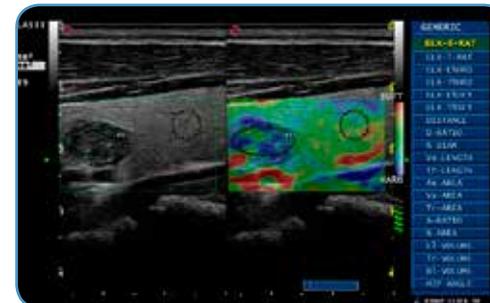


## ElaXto Measures Advanced Package for MyLabSeven and MyLabAlpha

Clinicians are looking for an easy way to conduct multi-purpose secondary analysis on ElaXto images without relying on basic interpretation only.

Esaote provides an on-board advanced workstation for your research!

You can draw elliptical regions for stiffness and ratio analysis in real-time and offline, with raw data export.



## Improved Image quality

A growing number of patients are difficult to scan and this represents a big challenge for ultrasound. Precise diagnosis must be carried out in the shortest time possible.

The increase in image resolution and detail maximizes the efficiency of ultrasound scanning, leaving you free to be focused on your patient.

Confident diagnosis in every patient for deep scanning as well as for superficial imaging.



# Point of Care



Emergency



Anesthesia



MSK



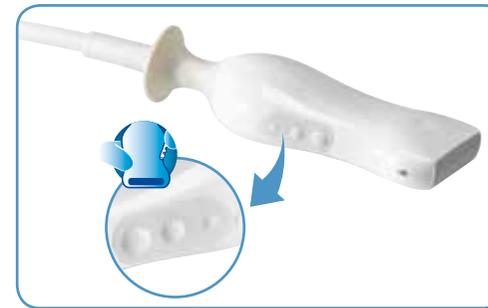
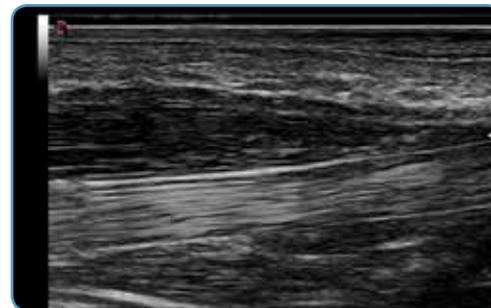
Rheumatology

## High frequency and small footprint **Clear Superficial Imaging**

## Libraries and Probe knobs

## Needle enhancement

Clinical Need	Solution	Advantage
Small and efficient probe for intra-operative, musculoskeletal and rheumatology treatment, as well as vascular, thyroid and pediatric care.	Ergonomic and agile hockey-stick linear probe (up to 18 MHz) with a small footprint.	Improvement of clinical performance for pediatric patients, in difficult access areas and for superficial location of vessels.
Enhanced imaging with good resolution for superficial structures in dermatology, pediatrics, and musculoskeletal and vascular care.	Ergonomic and compact linear probe (up to 22 MHz) that complements the diagnosis and monitoring of the disease.	Extreme high-frequency imaging offers very detailed and precise representation of superficial structures. This technology can effectively support early diagnosis and prevent future complications.
Due to their daily routine, users require tools that increase patient throughput and workflow.	On-board MyLibrary with dedicated and specific topics to provide support and guidance. Remote controls to improve the workflow and increase productivity.	Decrease of the learning curve and increase of the patient throughput and workflow.
An enhanced and clear image of the target area during intervention procedures.	A technology that enables users to visualize the target structures and needle in order to automate the entire procedure.	Increased accuracy of intervention procedures due to real-time imaging. This leads to an improved workflow, biopsy confidence and greater patient comfort.



# Cardiovascular



Cardiology



Vascular

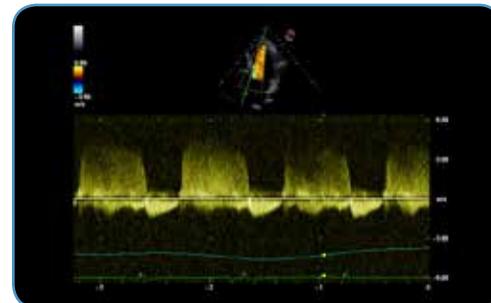
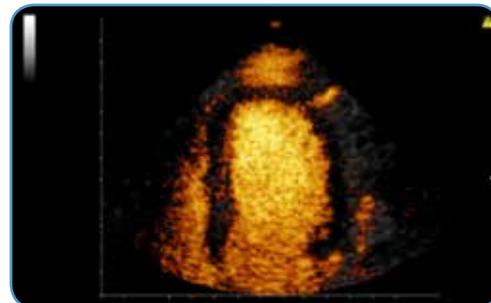
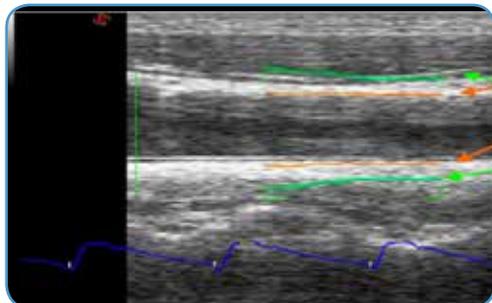
## QAS Advanced technology for Quality Arterial Stiffness for MyLabSeven and MyLabAlpha

## LVO Left Ventricle Opacification for MyLabSeven and MyLabAlpha

## Breathing Curve

## Pediatric Phased Array Probes for MyLabSeven and MyLabAlpha (SP2442) for MyLabSix and MyLabGamma (P2 3-11)

Clinical Need	Need to have a single operator to perform heart-vessel integrated investigations in single patient being screened for suspected pre-clinical atherosclerosis.	To obtain an high degree of diagnostic confidence in patients with a suboptimal acoustic window, obesity, chronic obstructive pulmonary disease, intensive care hospitalization, thoracic radiotherapy, mechanical ventilation or chest deformities.	Real-time patient breathing information is useful in many cardiac measurements. The breathing trace has to be shown in real-time together with the ECG trace and imaging.	Dedicated and suitable solution for pediatric studies. Possibility of examining children of different ages with a single probe.
Solution	Taking advantage of the RF signal (Radio Frequency Data Processing) and feedback, <sup>RF</sup> QAS ensures high accuracy, becoming the method of choice for the early detection of arterial stiffness.	Esaoe LVO Technology, boosted by CnTI™ pulsing and detection techniques, can offer clear images even in the most demanding cases.	A dedicated algorithm has been implemented to retrieve information about patient breathing from the ECG curve. As electrodes move during patient inspiration/expiration, some minor changes in the shape of the ECG signal can be detected and correlated to the patient breathing.	Development of a high-frequency phased array probe that is ergonomically suitable for pediatric requirements.
Advantage	QAS uses the RF signal to determine the degree of early rigidity of the vessel walls. <sup>RF</sup> QAS is the most innovative technology for assessing the health of blood vessels.	Clear images for your diagnosis, especially in patients that are difficult to scan. LVO is also fully available during Stress Echo to get the best image quality when it is most needed.	Breathing curve displayed in real-time together with the imaging and ECG trace.	Enhanced image quality with the Pediatric Phased Array probes allows the clinician to acquire clearer clinical images with a high degree of accuracy. With the 3-11 MHz broadband probe, we are able to conduct pediatric examinations on 2- to 8-year-olds.





# Women's Healthcare



Women's  
Healthcare



Obs./Gyn.

## New Performance in Fetal Medicine

Clinical Need

Assessing fetal growth from the early stages of pregnancy is going to be more and more fundamental for a healthy pregnancy.

Solution

Dedicated tools and settings for all different fetal study procedures. High performance for difficult patients, for primary care and secondary examinations. A new endocavity 2D probe SE3133 to improve image quality.

Advantage

Boosts examination reliability in daily practice, through the use of a dedicated solution. Increase our probe basket with the latest technological solution to offer outstanding Image Quality.

## XLight - New 3D/4D technology for MyLabSeven and MyLabAlpha

Premium 3D/4D representation during pregnancy for amazing pictures of baby faces or for a high level of confidence in fetal malformation diagnosis.

New generation 3D/4D rendering, on a premium ultrasound system and now available also for the lower segments (MyLabAlpha and MyLabSeven).

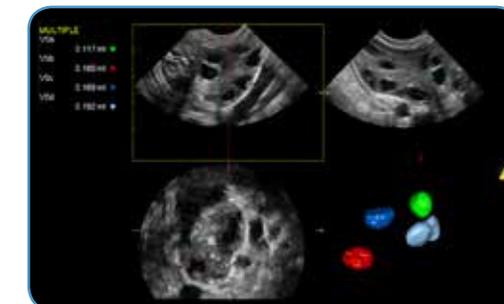
System can be fully customized.

## OB Measure and report package

Maximum flexibility to obstetrics measurements and reporting in order to fulfill any customer request. Complete 3D/4D package and range of probes for primary care and for entry-level solutions.

Improved tools and new measurement features linked to report configuration. Expansion of 3D/4D package and Endo 3D probe on MyLabGamma and MyLabSix.

System can be fully customized.





# Productivity and Workflow

## Productivity-oriented workflow

Clinical Need

Increased departmental efficiency and patient throughput.  
Reduced examination time.

Solution

eTouch special button to define tailor-made protocols in one click.

Advantage

Increased number of patients scanned by ultrasound departments with confidence in an accurate diagnosis.





# Probes

IH 6-18  
**Hockey stick**

SL3116  
**22 MHz**

SI2C41  
**0° Biopsy Convex**

TLC 3-13  
**Bi-plane**

LP 4-13  
**Laparoscopic**

IL 4-13  
**Intraoperative**

SE3133  
**Endo 2D**

SB3123  
**Endo 3D**





MyLab<sup>™</sup>Seven



MyLab<sup>™</sup>Six



MyLab<sup>™</sup>Alpha



MyLab<sup>™</sup>Gamma

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Technology and features are system/configuration dependent.  
Specifications subject to change without notice. Information might refer to products or modalities not yet approved in all countries.  
CnTI™: The use of Contrast Agents in the USA is limited by FDA to the Left Ventricle opacification and visualization of the Left ventricle endocardial border.  
For further details, please contact your Esaote sales representative.

