

ABOUT SUPERSONIC IMAGINE

SuperSonic Imagine® is a part of Hologic® family of companies.

Founded in 2005 and headquartered in Aix-en-Provence (France), SuperSonic Imagine develops and markets a latest generation ultrasound platform, which uses UltraFast™ technology at a rate 200 times faster than competitive systems.

This revolutionary technology is based on the combined use of ultrasonic waves and shear waves at the origin of ShearWave Elastography™ (SWE). This real-time method, designed by SuperSonic Imagine, allows to visualize and analyze the hardness of the tissues thanks to reliable, reproducible and non-invasive procedure.

More than 400 publications have demonstrated yet the interest of the SWE.

The UltraFast platform also paves the way for new imaging modes:

Angio PL.U.S., an ultrasensitive plane wave imaging which provides a superior level of microvascular imaging and TriVu, an exclusive mode which combines B, SWE and Advanced Color Doppler modes simultaneously.

ABOUT OUR TECHNOLOGIES

Below are some publications concerning the technologies developed by SuperSonic Imagine:

Shear-wave elastography improves the specificity of breast US: the BE1 multinational study of 939 masses. Berg et al. Radiology. 2012 Feb;262(2):435-49. doi: 10.1148/radiol.11110640.

Assessment of biopsy-proven liver fibrosis by two-dimensional shear wave elastography: An individual patient data-based meta-analysis. Hermann et al. Hepatology. 2018 Jan;67(1):260-272. doi: 10.1002/hep.29179. Epub 2017 Nov 15.

Shear wave elastography for breast masses is highly reproducible. Cosgrove et al. Eur Radiol. 2012 May;22(5):1023-32. doi: 10.1007/s00330-011-2340-y. Epub 2011 Dec 31.

CONTACT US

Hologic Headquarters
250 Campus Drive
Marlborough, MA 01752
USA Tel: +1.508.263.2900
Sales: +1.781.999.7453
Fax: +1.781.280.0668
Email: info@hologic.com

Your Hologic local
representative's business card



SUPERSONIC™ MACH40

START GUIDE



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- 1 Probe ports
- 2 USB ports
- 3 Gel holder (warmer)
- 4 Control panel adjustments
- 5 Control panel
- 6 ON/OFF Switch

Make sure the control panel is in parking position before moving the system.



- 1 ON/OFF LED
- 2 Imaging modes
- 3 Imaging controls
- 4 Freeze
- 5 Measurements
- 6 Touch screen
- 7 Cursor
- 8 SonicPad®

GETTING STARTED

- 1 - Press I on the switch located at the rear of the cart **6**
- 2 - Press the On/Off button **1** on the control panel to power the system up
- 3 - Choose one of the user profiles

BASIC OPERATIONS

Entering patient data

- 1 - Press Patient on the touch screen
- 2 - Fill in any appropriate data
- 3 - Press Patient again to exit

Selecting a probe

- 1 - Press Probe on the touch screen
- 2 - Touch the application and preset you want to use

Selecting a mode

- 1 - Press the desired Mode button **2** on the control panel

2 - Rotate the button to adjust the gain

- 3 - Use the Imaging control keys **3** to adjust the image

Taking a measurement

- 1 - Press Freeze **4** on the control panel to freeze the image
- 2 - Press Measure **5** on the control panel
- 3 - Touch Meas. Tools on the Touch Screen
- 4 - Perform the desired measurement

USING THE SONICPAD®

Basic actions and measurements can be performed using SonicPad® **8** shortcuts. A gesture reminder is located on the touchscreen. Click on this icon to display the reminder on the main display.



DAILY CHECK-UP

- SuperSonic Imagine strongly advises you to check up before every use:
- Air Filters (clean monthly)
 - Icons in the bottom left-hand corner (spooler DICOM, available storage)
 - Monitor, touchscreen **6** and control panel **5** (disinfect daily)
 - Transducers (clean or disinfect between patients)