

# 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.

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Your Hologic local  
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# SUPERSONIC MACH30™

# 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

### 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)