



3D Total Breast Ultrasound

ACUSON S2000 Automated Breast Volume
Scanner (ABVS), syngo.Ultrasound Breast
Analysis (sUSBA)

siemens-healthineers.us/abvs



A Comprehensive Breast Imaging Solution

3D Total Breast Ultrasound combines the power of 2D/3D ultrasound and advanced technologies with automated acquisition and intelligent workflow solutions to create one comprehensive package for ultrasound breast care. At the center is the ACUSON S2000™ Automated Breast Volume Scanner (ABVS), HELX™ Evolution with Touch Control. A comprehensive breast imaging system that provides operator-independent, standardized 3D imaging, it enables data consistency and generates reproducible results to improve the quality of breast ultrasound care—for you and your patients.

3D Total Breast Ultrasound



3D Volumetric Imaging

Comprehensive full-field 3D volumetric imaging and unique anatomical coronal view



Advanced Technologies

Enhanced diagnostic confidence with industry-leading strain imaging applications



2D Imaging

Additional hand-held capabilities for breast and/or general imaging applications allow breast and/or general imaging applications allow excellent image quality using high-frequency linear transducers



Workflow Solution

syngo®.Ultrasound Breast Analysis (sUSBA): Flexible, scalable reporting and reviewing solution

Intuitive touch display to optimize usability

- 33% fewer tactile keys and simplified home-base control panel optimize exam workflows and reduce training time

Control Monitor for Enhanced Acquisition Accuracy

- Intuitive touch screen monitor offers easy cup-size preset selection
- Convenient, real-time image quality check during acquisition

Ergonomic Acquisition to Improve Patient and User Comfort

- 15-centimeter wide FOV transducer allows automatic, operator-independent image acquisition
- Unique, single-touch locking mechanism for hands-free acquisition reducing operator variability for consistent results





3D Volumetric Imaging



The ACUSON S2000 ABVS system offers automated high-resolution 3D imaging that provides a comprehensive, highly detailed visualization of breast tissue. User-independent, hands-free image acquisition delivers standardized results that improve diagnostic accuracy and quality of care.

Coronal view for diagnostic confidence

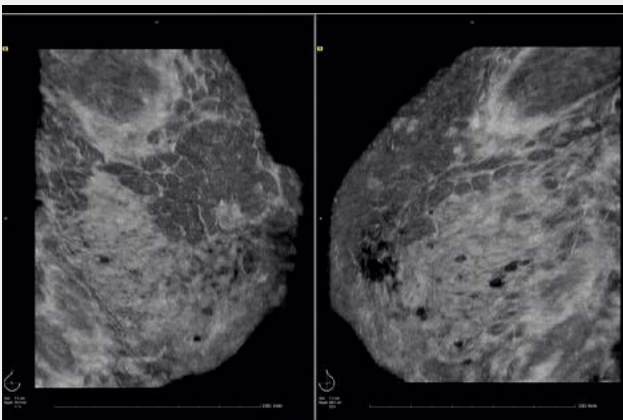
- Intuitive, slice-by-slice visualization of the entire breast, from skin line to chest wall
- Facilitates detection of architectural distortions

Full-field volumetric imaging improves surgical planning

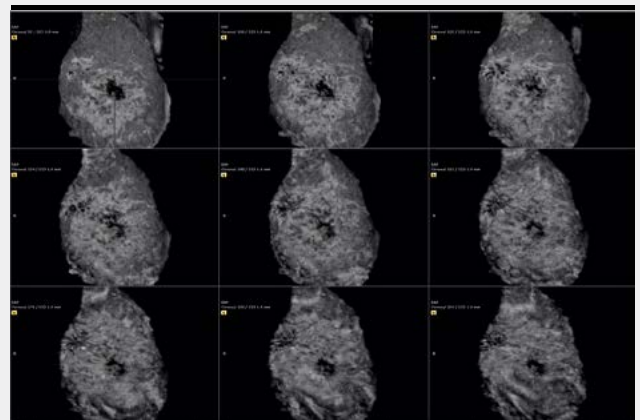
- Full-volume view with lesion localization
- Easy correlation with other imaging modalities for cross-referencing

Unique, single-touch locking mechanism for more comfortable examinations

- Reduce repetitive stress injuries for users
- Comfortable patient scanning experience with minimum compression



Coronal side-by-side comparison layout displays excellent detail and contrast resolution of the benign disease



3D MultiSlice imaging displays sequential slices of the architectural distortion seen within this breast



2D Imaging

A full suite of high-frequency linear transducers offers a complete breast imaging solution with one single system. The ability to instantly perform additional, hand-held imaging and procedures enhances exam and departmental workflow and improves patient throughput and satisfaction.

- Improved diagnostic accuracy with 2D imaging capabilities, such as color and power Doppler
- Excellent detail and contrast resolution
- Optimize image quality hands-free with eSielImage™ multiparametric image optimization technology



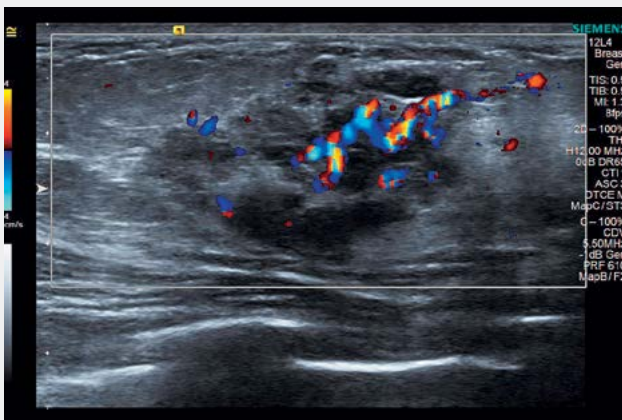
18L6 HD Transducer



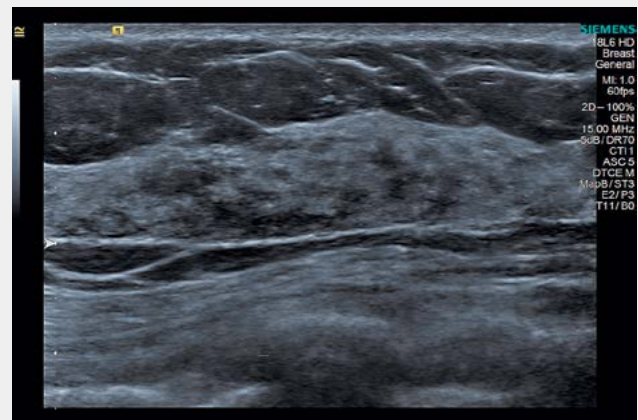
12L4 Transducer



9L4 Transducer



Excellent detail resolution with superb color Doppler sensitivity of biopsy-proven ductal carcinoma in situ (DCIS) for improved diagnostic confidence



Exceptional skin line visualization and image uniformity in heterogeneously dense breast tissue



Advanced Technologies

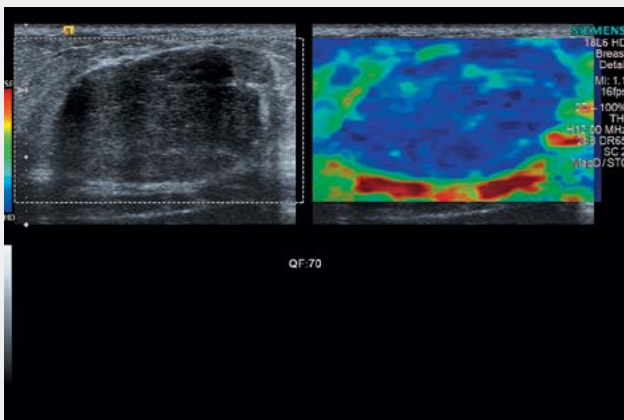
Siemens Healthineers offers the most comprehensive suite of elastography applications in the market today, enabling healthcare providers to offer non-invasive techniques to evaluate tissue stiffness. Elastography tools provide additional qualitative and/or quantitative data for tissue characterization, enhancing diagnostic confidence and patient care.

eSieTouch Elasticity Imaging

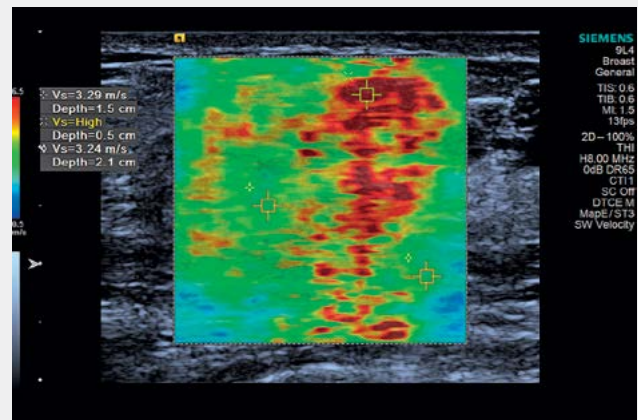
- Manual compression elastography
- Determines relative stiffness of tissue
- Real-time, quick qualitative assessment

Virtual Touch IQ (VTIQ)

- Shear-wave based velocity measurements
- Quantifies tissue stiffness of lesions to complement B-mode findings
- Unique quality map ensures data integrity of measurements to improve diagnostic confidence



eSie Touch™ elasticity imaging of biopsy-proven breast fibroadenoma provides real-time qualitative assessment of relative tissue stiffness to aid diagnosis



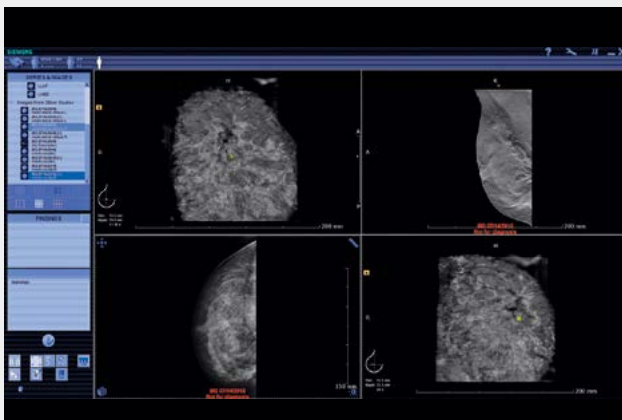
Tissue stiffness measurements provided within a suspicious region of interest (ROI) using Virtual Touch™ IQ increases specificity of diagnostic findings



Workflow Solution

syngo®.Ultrasound Breast Analysis (sUSBA) is a software solution designed for reviewing and reporting of ultrasound 3D volumetric and 2D images of the breast. It offers new, advanced functionalities to simplify workflow, reduce reading time and enhance the user experience.

- Easy, intuitive operation saves time
- One tool for image analysis and reporting
- Flexible licensing options to meet user needs
- Client-server architecture for greater flexibility and scalability
- Current/prior comparison functionality for efficient follow-up
- Multi-modality review for higher diagnostic confidence



Multi-modality review provides a holistic view of breast disease



Current/prior comparison hanging layout displays excellent correlation of this cyst between multiple years

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey toward expanding precision medicine, transforming care delivery, and improving patient experience, all enabled by digitalizing healthcare.

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics, and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 170 years of experience and 18,000 patents globally. With more than 48,000 dedicated colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.

On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products included in this brochure are available through the Siemens Healthineers sales organization worldwide. Availability and packaging may vary by country and is subject to change without prior notice. Some/All of the features and products described herein may not be available in the United States.

The information in this document contains general technical descriptions of specifications and options as well as standard and optional features, which do not always have to be present in individual cases.

Siemens Healthineers reserves the right to modify the design, packaging, specifications, and options described herein without prior notice. For the most current information, please contact your local sales representative from Siemens Healthineers.

Note: Any technical data contained in this document may vary within defined tolerances. Original images always lose a certain amount of detail when reproduced.

Siemens Healthineers Headquarters

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen, Germany
Phone: +49 9131 84-0
siemens-healthineers.com

USA

Siemens Medical Solutions USA, Inc.
Healthcare
40 Liberty Boulevard
Malvern, PA 19355-9998, USA
Phone: +1-888-826-9702
siemens-healthineers.us