



3D Total Breast Ultrasound

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

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



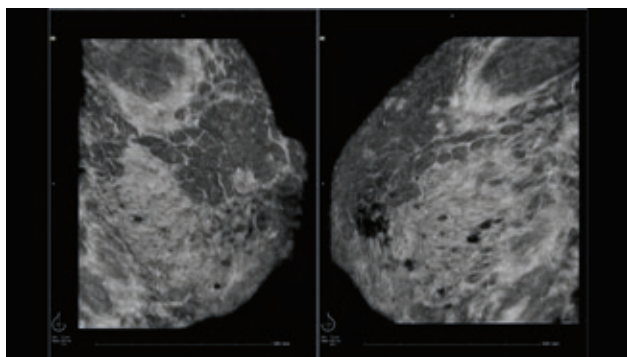
3D Volumetric Imaging



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



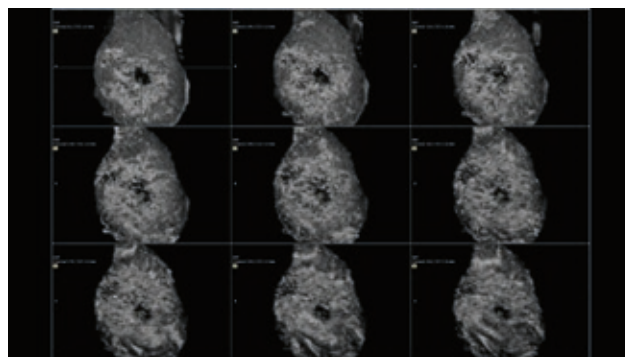
Coronal side-by-side comparison layout displays excellent detail and contrast resolution of the benign disease

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



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



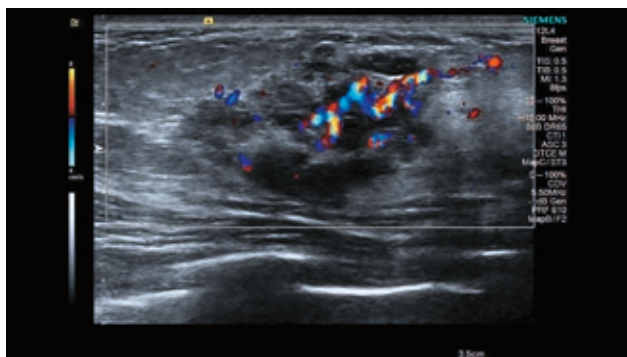
18L6 HD Transducer



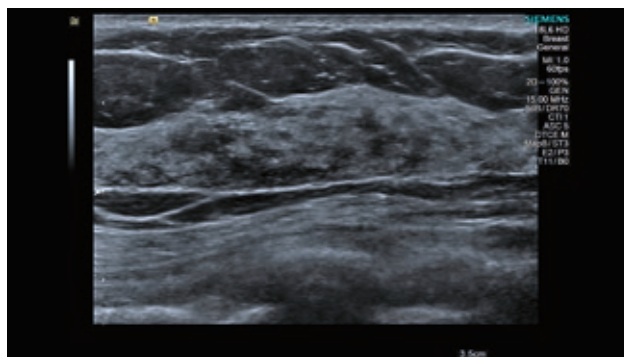
12L4 Transducer



9L4 Transducer

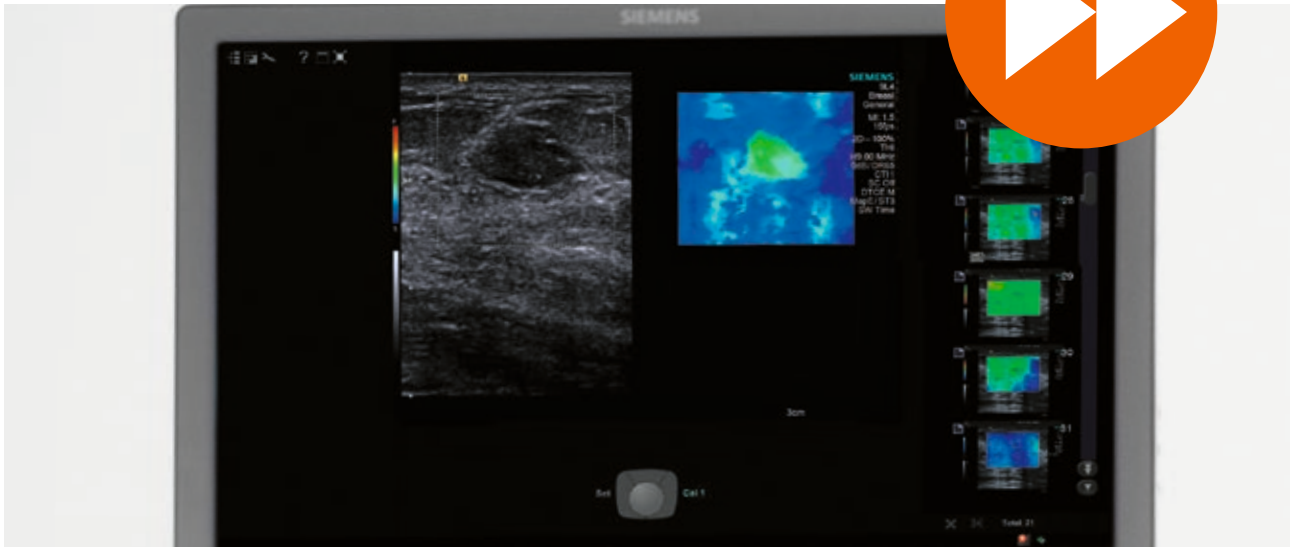


Excellent detail resolution with superb color Doppler sensitivity of biopsy-proven ductal carcinoma in situ (DCIS) for improved diagnostic confidence



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

Advanced Technologies



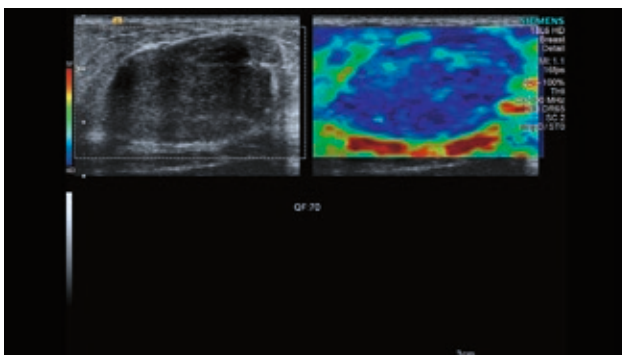
Siemens offers the most comprehensive suite of elastography applications in the market today, enabling healthcare providers to offer non-invasive techniques to evaluate tissue stiffness. Elastography tools provide additional qualitative and / or quantitative data for tissue characterization, enhancing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

eSieTouch Elasticity Imaging

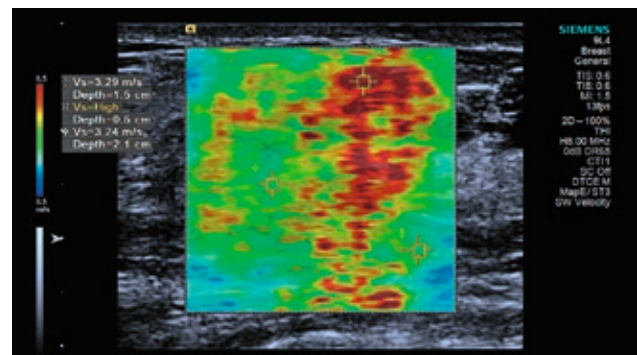
- Manual compression elastography
- Determines relative stiffness of tissue
- Real-time, quick qualitative assessment

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



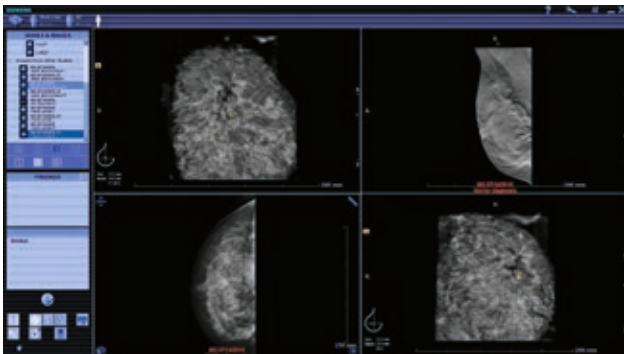
Tissue stiffness measurements provided within a suspicious region of interest (ROI) using Virtual Touch™ IQ increases specificity of diagnostic findings

Workflow Solution

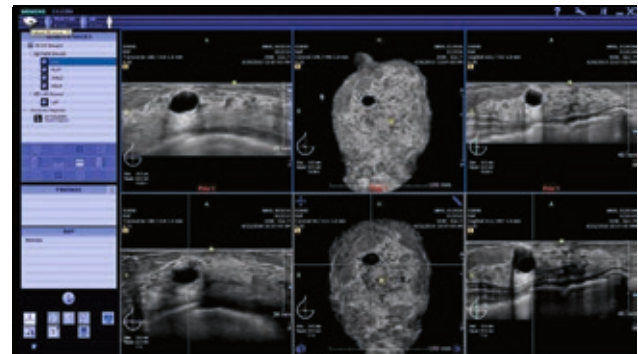


syngo®Ultrasound Breast Analysis (sUSBA) is a software solution designed for reviewing and reporting of ultrasound 3D volumetric and 2D images of the breast. It offers new, advanced functionalities to simplify workflow, reduce reading time and enhance the user experience.

- 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

The products / features mentioned in this document may not be commercially available in all countries. Due to regulatory reasons their future availability cannot be guaranteed. Please contact your local Siemens organization for further details.

Standalone clinical images may have been cropped to better visualize pathology.

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