

What is the next dimension
in ultrasound?



Mastering acoustics.
Expanding clinical insight.
ACUSON S2000 ultrasound system

Answers for life.

SIEMENS

What if we could do
more with ultrasound?



Founded upon Siemens' expertise in acoustics, the ACUSON S2000 system delivers superior image quality, knowledge-based workflow, adaptive ergonomics and innovative applications to provide you with diagnostic confidence never achieved before.





What if we could increase
diagnostic confidence?

ACUSON S2000 ultrasound system

Welcome to the acoustic revolution: the next generation of ultrasound

All of our innovations begin with a simple question: "What if?" At Siemens, we are committed to using acoustic mastery to expand ultrasound beyond its traditional role. The ACUSON S2000™ ultrasound system is a perfect case in point. The first in our next generation of ultrasound products, the ACUSON S2000 system is ready to accept silicon transducers* and features Virtual Touch™ tissue imaging,** the world's first and only implementation of acoustic radiation force impulse (ARFI) strain imaging. With knowledge-based workflow efficiencies and highly tuned ergonomics, the ACUSON S2000 system delivers the broadest range of innovative clinical applications possible. The future of ultrasound is now.

* Silicon transducer technology is a work-in-progress and is not yet commercially available in the USA.

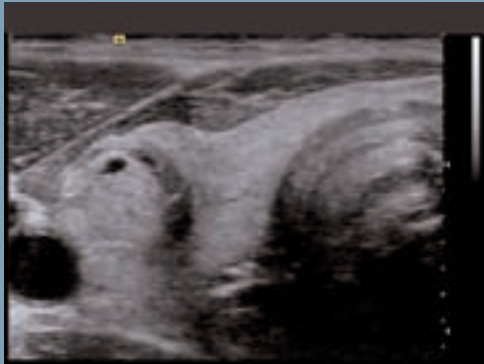
**Virtual Touch applications are pending 510(k) review and are not yet commercially available in the USA.



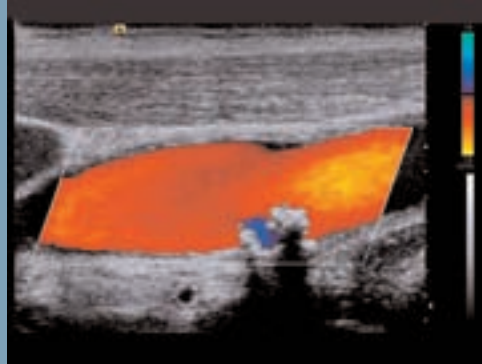
ABDOMEN



OB/GYN



SMALL PARTS



VASCULAR

Superior architecture, advanced clinical applications and high resolution transducers deliver never before seen detail

With the ACUSON S2000 system, seeing really is believing. The system is built on our most advanced, next-generation acoustic technologies. The ACUSON S2000 system uses Siemens best-in-class proprietary micro-pinless (MP) transducer connector technology, optimized for high-frequency imaging, and delivers superb 2D, 3D, Doppler and 4D imaging for the most demanding applications. Experience never-before-seen detail during examinations and leverage industry-leading imaging technologies:

- 3D Dynamic TCE™ tissue contrast enhancement technology enhances borders and reduces speckle/noise in an entire volume, not just in the reconstructed “slices,” greatly improving subtle tissue differentiation
- Advanced SieClear™ spatial compounding enhances anatomic border definition and improves tissue contrast through electronic beam steering which rapidly acquires overlapping images from different view angles
- Ultra-high frequency 18L6 HD transducer incorporates twice the elements with half the spacing to improve slice thickness, image uniformity, and contrast resolution. Its unique core acoustic technologies and state-of-the-art design provides precise details of complex masses and subtle lesions



What if my system could extract more information from every scan?

What if we could increase
exam efficiency and consistency?





Knowledge-based workflow and volume imaging increase diagnostic confidence

In today's fast-paced clinical world, the ACUSON S2000 system will keep you on schedule and free you from repetitive tasks so you can focus on your patients. The ACUSON S2000 software applications are developed using "machine learning". The software uses advanced algorithms from an expert database of real clinical cases, measured by experts like you, to recognize anatomical patterns and landmarks.

- *syngo*® Auto OB measurements uses pattern recognition technology to significantly improve workflow by reducing keystrokes up to 70% by measuring routine fetal biometry
- Volume imaging can reduce exam time by providing acquisition techniques which minimize keystrokes and collect ample data for increasing diagnostic confidence
- Automatic image measurement at the press of a button delivers unprecedented speed and repeatability
- Convenient offline analysis tools, such as *syngo*® *fourSight*™ ViewTool, help to minimize system use and reduce exam times



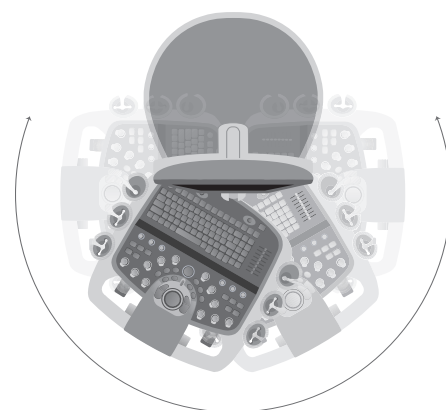
syngo® *eSieCalcs*™ native tracing software automatically increases measurement accuracy of complex lesions based on sophisticated border detection technology



Form follows function

Designed to set a new standard in ergonomics, the ACUSON S2000 system takes Home Base to a whole new level by putting everything within easy reach. Whether sitting or standing, you'll experience the unprecedented ease and comfort of simple, stress-free operation. Compact and lightweight, the ACUSON S2000 system is highly portable, user-friendly and versatile enough to accommodate a wide range of exams and environments.

- Streamlined Natural and Extended Reach Zones put the most frequently used controls at your fingertips and enable quick access to peripheral devices, recordable media and transducer connectors
- Control panel designed for motor-memory learning
- Flexible articulating arm and high resolution 19-inch flat panel display ensures optimal monitor placement and enhanced image quality in all lighting situations
- Advanced transducer and system technologies enhance penetration and facilitates scanning of technically difficult-to-image patients



A rotating and elevating console provides precise positioning of the control panel

What if we could make
scanning more comfortable?





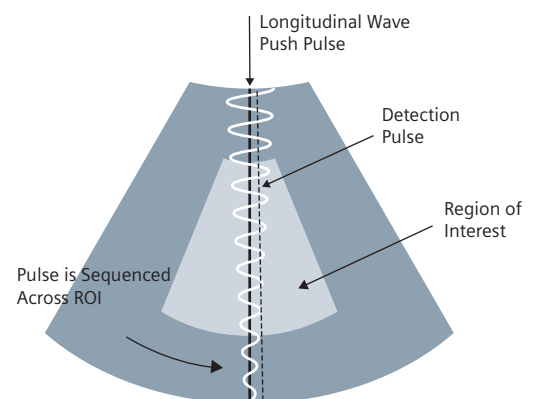
What if we could see beyond
today's imaging boundaries?



Innovating ways to see more detail, with confidence and consistency

Whether you are looking at deep tissue stiffness on a liver scan or breast elasticity during a follow-up exam, the ACUSON S2000 system greatly extends your diagnostic reach. It supports a complete suite of transducers including high-density transducers that address every clinical application. As a result, this high-end platform enables you to go beyond conventional modes of 2D, 3D, 4D, and Doppler imaging to support a broad range of today's most cutting-edge clinical applications — from breast elasticity using manual compression to ARFI (Acoustic Radiation Force Impulse) using acoustic compression.

- Virtual Touch™ applications* implement ARFI imaging technology to provide both qualitative regional and quantitative focal assessments of deep tissue stiffness
- eSie Touch™ elasticity imaging software utilizes gentle manual compression to display high resolution relative tissue stiffness
- Cadence™ contrast pulse sequencing technology (CPS)** provides a non-linear imaging technique to effectively separate and display tissue or contrast; excellent for border and lesion detection and characterization



Virtual Touch Tissue Imaging*

- Displacement is induced by Push Pulse
- Detection Pulses track displacement on axis to the Push Pulse within the ROI
- The Push/Detect sequence is stepped across the ROI
- Relative displacement difference locations are mapped to the elastogram

** At the time of publication, the US Food and Drug Administration cleared ultrasound contrast agent only for use in LVO. Check the current regulation from the country in which you are using the system for contrast agent clearance.

Knowledge, answers, experience, best practices

For acoustics mastery, the ACUSON S2000 system is unparalleled.

It is a flexible, state-of-the-art ultrasound platform capable of handling today's most innovative clinical applications.

To ensure you get the absolute most from your system, Siemens offers education solutions designed to build and enhance your skills — so that you can operate your platforms at peak performance all the time, every time.

Siemens provides the opportunity to learn virtually, on-site at your facility, and off-site at one of our training centers so you have access to the education you need, when, where, and how you need it. Our modular, easy-to-use materials help you quickly get up to speed on system operation and incorporate tips for optimal workflow.



How can my investment expand with my practice?

Maximizing your investment. Delivering peak performance.

Life Gives You More

Life is the unique customer care solution from Siemens that helps maximize satisfaction from your ultrasound investment. Life is a family of programs that provides additional value to our installed-base customers throughout the product life cycle and is designed to improve your clinical efficacy, keep you competitive with the latest advancements in technology and protect your ultrasound investment.

As part of our Life customer care solutions program, Siemens Remote Service seamlessly monitors, updates, and even repairs Siemens ultrasound systems directly from our state-of-the-art technical support centers. Proactive monitoring can detect system deviations before problems occur to improve your productivity.

Maximizing Your Investment

Siemens' legendary upgradeability consistently delivers long-term value with continuous, cost-effective upgrades and updates — innovations that enable your investment to grow with your practice, meeting today's clinical needs and tomorrow's medical challenges.

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Order No. A91US-80-1C-4A00
Printed in the USA
WS 0308

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