

VAMC SAN DIEGO, CA
PO# 664-B30006

TRADE-IN MFG ACCUSON, MODEL
NUMBER GI512, SERIAL NUMBER
53500, ACQUIRED 1996

ACUSON S2000 ultrasound system

All items listed below are included for this system: (See Detailed Technical Specifications at end of Proposal.)

Qty	Item Description
1	ACUSON S2000 Mainframe The ACUSON S2000(tm) ultrasound system is a multi-speciality system designed to exceed your expectations - today and into the future. The unmatched ability to deliver comprehensive information to make a differential diagnosis even in the most challenging case makes this the system to have "when you need to know more." The industrial design is conducive to today's busy environments. The home base layout of controls and operator functions on the control panel supports the natural and extended reach of the user and greatly reduces keystrokes and repetitive movements. The 19" flat panel display with articulating arm, control panel height adjustment and side-to-side swivel allow for appropriate positioning and placement to accommodate tight and/or awkward scanning environments. A rear handle and extra transducer storage further extend the product offering into the high end arena. In addition to a lightweight system, the QuikStart standby mode enhances system portability by reducing startup and shutdown times to approximately 30 seconds and 10 seconds respectively.
1	S2000 3.1 SW Release 3.1 for the ACUSON S2000(tm) ultrasound system continues to advance the performance and capabilities of the system
1	S2000 Operating Sys, English, 3.1
1	S2000 English Keyboard 3.1
1	115V Power Supply
1	S2000 NTSC Video Interface
1	S2000 General Imaging Technologies ACUSON S2000(tm) ultrasound system offers the General Imaging Technologies package for the ultimate solution of imaging and workflow needs of today's radiology clinic. The General Imaging Technologies package offers advanced image quality and innovative workflow solutions at a reduced price. Advanced SieClear(tm) spatial compounding, Clarify(tm) vascular enhancement technology, SieScape(tm) panoramic imaging, Color SieScape(tm) panoramic imaging and TEQ(tm) ultrasound technology round off this progressive product offering.
1	S2000 syngo eSieCalc ACUSON S2000 syngo(r) eSie Calcs(tm) native tracing software provides the ultimate workflow solution for performing traced measurements. syngo eSie Calcs software performs automated trace measurements with area, circumference, linear and volume results. Measurements can be unlabeled or labeled and stored in the report. Workflow allows for the flexibility of measure-then-label or label-then-measure keystrokes. syngo eSie Calcs software can be utilized in place of manually traced measurements. Editing tools provide for quick realignment of the automatic trace.

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EC9-4 Transducer (MP), S2000

The EC9-4 provides essential basic and advanced functionality for the gynecological ultrasound exam and features user-selectable MultiHerz imaging. - Array footprint: 32mm - Maximum Display depth: 14 cm - Maximum field of view is. 170 degrees - Aperture: 32 x 6 mm - Expanded MultiHertz(tm) multiple frequency imaging for 2D, Harmonics, M-mode, Color Doppler (CDE and CDV), and PW Doppler

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4V1 Transducer (MP), S2000

The 4V1 is a small footprint transducer featuring microCase(tm) miniaturization technology and can be used for a broad range of adult abdominal, OB/Gyn, and fetal heart imaging applications. This transducer utilizes ACUSON(tm) patented micro-pinless connector technology and Hanafy lens transducer technology to provide improved resolution and image uniformity. The 4V1 delivers excellent detail and contrast resolution, high sensitivity in color and spectral Doppler modes, independent frequency selection across modes, superior ergonomic design for comfort and access.

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9L4 Transducer (MP), S2000

The 9L4 transducer utilizes ACUSON(tm) patented micro-pinless (MP) connector and is based on Multi-D(tm) matrix array transducer technology and exceptional spatial resolution throughout the field of view. This multi-row array transducer is contained in an ergonomically designed microCase(tm). This transducer technology with its improved beam profile creates unsurpassed image detail, clarity and uniformity. Wideband MultiHertz(tm) multiple frequency imaging provides multiple transmit frequencies. Integrated microelectronics contained in an ergonomically designed microCase(tm) and combined with a revolutionary SuppleFlex(tm) transducer cable provide a lightweight design to reduce operator fatigue.

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14L5 SP Transducer (MP), S2000

The 14L5 SP transducer utilizes ACUSON(tm) patented micro-pinless (MP) connector technology and is specially designed for intra-operative applications. Its small, lightweight, offset "L" ergonomically designed form factor allows for easy access in tight imaging conditions. With superior contrast and detail resolution and improved accessibility due to the design, the 14L5 SP may also be used for breast, small parts and musculoskeletal applications where improved access and a small footprint are required. The 14L5 SP has 128 elements with a center frequency of 9 MHz. Sterilizable* High Resolution Linear Array for Special Applications.

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18L6 HD Transducer (MP), S2000

The 18L6 HD (High Density) is a large format, 50mm, linear transducer with a 6 to 18 MHz bandwidth. The 18L6 HD utilizes Hanafy lens transducer technology providing an industry leading high density (HD) 100 micron pitch for unrivaled contrast and spatial resolution. Additionally, ACUSON(tm) patented micro-pinless (MP) connector technology and Wideband MultiHertz(tm) multiple frequency imaging capabilities set the standard for high frequency imaging. It is built with patented Elastogrip(tm) ergonomic grip coating for unrivaled grip comfort and repetitive stress reduction. A specially designed SuppleFlex(tm) transducer cable provides a lightweight design to reduce operator fatigue. eSieTouch(tm) elasticity imaging is supported on the 18L6 HD.

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6C1 HD Transducer, S2000

The 6C1 HD high-density array will enhance the ACUSON S2000(tm) ultrasound system capabilities. It provides not only the fundamental imaging capabilities such as B-mode, Color and PW Doppler, Color Doppler Energy (CDE), Tissue Harmonic Imaging (THI) and TEQ(tm) ultrasound technology, but also supports advanced technologies such as Advanced SieClear(tm) Spatial Compounding (ASSC) and Dynamic TCE(tm) Tissue Enhancement Technology (DTCE). The transducer technology and design support a frequency range of 6MHz to 1MHz. Both fundamental and harmonic frequencies are supported. Maximum imaging depth is 30cm.

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Ultrasound Apps Training 2 days included

Two (2) Days System Installation Applications Training Two days on-site general system installation applications training to include basic or advanced training on systems and options. Extent and objective of training will be determined with the site prior to the training event. Specific options may require one additional no charge applications day. Additional training may be purchased.

1 **One complimentary biomedical tuition is included with the purchase of this system. This training must be completed before the end of the warranty period.**

1 **Lodging for Complimentary Biomedical Training**

1 **Airfare for Complimentary Biomedical Training for one tech from SAN to RDU**

1 **Additional Manual for Govt-S2000**

1 **Sequoia w/CRT SN<53500 Trd-in plus elev**

Trade-in value is valid for forty-five (45) days from the date of the quotation. After that time it must be revalued. The trade-in equipment shall be free and clear of all liens, encumbrances, security interests, assessments, rights of distraint and any other third party claims. Purchaser shall provide Siemens or its designated dealer or agent with access to the trade-in equipment within 48 hours after installation of the new equipment. Title and risk of loss to the trade-in equipment shall pass to Siemens or its designee upon installation of the purchased equipment at the Purchaser's facility. In the event that access to the trade-in equipment is denied for more than 30 days after shipment of the new equipment, then the Purchaser shall pay to Siemens the amount of ten (10) percent of the total trade in value including Elevate discounts (no less than \$1000) for each month, or part thereof, that access is denied. In addition, in the event that the trade-in equipment does not meet manufacturer's operating specifications or is not otherwise in the condition as stated in the trade-in specification sheet at the time of trade-in, or in the event that any trade-in items are not returned or otherwise made available to Siemens or its designee, then Purchaser shall be invoiced and shall pay for any missing or damaged items/equipment, or the trade-in value set forth in this Quotation shall be adjusted in Siemens' sole discretion.

Detailed Technical Specifications

ACUSON S2000 ultrasound system

/ Product	Description
ACUSON S2000 Mainframe	<p>ACUSON patented micro-pinless connectors along with sophisticated high-density signal processing create image quality unsurpassed in the high end market. The flat panel monitor with ISP (in-plane switching) technology and transducer technology contributes to the image quality surpassing that of the competition</p> <p>The ACUSON S2000 core system DICOM functionality includes: Modality Worklist, Query/Retrieve (Q/R), "in-progress" or "batch" print to DICOM print devices, "in-progress" or "batch" storage of exam images, clips and patient information, Storage Commitment, transfer of performed procedure information from the ACUSON S2000 system to a HIS/RIS system, and Structured Reporting functionality.</p> <p>DICOM Structured Reporting allows organized transfer of calculation data to PACs systems in either supported public elements, or in private elements for measurements not supported by DICOM S/R and is available for OB/GYN, Cardiac and Vascular calculation data. Structured reporting data may be transferred to DICOM Storage Devices or Network File Share</p> <p><i>The DICOM conformance statement for the ACUSON S2000 ultrasound system is available on the Siemens Healthcare website at:</i></p>
S2000 General Imaging Technologies	<p>Advanced SieClear™ spatial compounding offers image quality with unrivaled detail and contrast resolution. Advanced SieClear compounding is a real-time compounding technique which applies multiple lines of sight at greater steering angles. Includes Dynamic TCE™ tissue contrast enhancement technology – a real-time speckle reduction technique that enhances contrast resolution, border detection, and image presentation. Clarify™ vascular enhancement technology reduces noise within vessels, enhances tissue characterization and improves contrast resolution and boundary detection. SieScape™ panoramic imaging option allows the acquisition and display of B-mode panoramic images up to 240 cm in length or in angular measurements up to 180 degrees. Large organs and long vessels can be displayed in their full dimension for increased on-screen anatomical information. SieScape panoramic imaging extends the field of view to provide a seamless ultrasound image covering an area much larger than a normal transducer aperture. Color SieScape™ panoramic imaging allows the user to create an ultrasound image with an extended field of view during real-time imaging in 2D and Power modes. Color SieScape imaging can demonstrate anatomical relationships of tissue/organ and vasculature. TEQ™ ultrasound technology now offers a sophisticated solution for 2D and Spectral Doppler imaging optimization with a push of a button. The TEQ technology significantly reduces time spent optimizing imaging performance, while improving the consistency and quality of diagnostic exams.</p>
S2000 syngo eSieCalc	<p>syngo® eSie Calcs™ native tracing software is an adaptive algorithm software developed by Siemens Corporate Research. It is based on border detection technology allowing for accurate automatic tracing of lesions as well as anatomical structures.</p>
EC9-4 Transducer (MP), S2000	<p>The EC9-4 provides essential basic and advanced functionality for the gynecological ultrasound exam.</p> <p>- Applications: OB/Gyn, Prostate, Neonatal Head</p> <p>Please see the Transducer flyer for specifications.</p>
4V1 Transducer (MP), S2000	<p>The 4V1 extends over multiple applications including imaging providing a single-solution transducer.</p> <p>Please see the Transducer flyer for specifications.</p>
9L4 Transducer (MP), S2000	<p>The 9L4 extends over multiple applications including imaging providing a single-solution transducer.</p> <p>Please see the Transducer flyer for specifications.</p>

. / Product	Description
14L5 SP Transducer (MP), S2000	<p>The 14L5 SP intra-operative and small parts imaging provides a multi-functional, high frequency, linear array transducer.</p> <p>* The 14L5 SP transducer is compatible with the STERRAD Sterilization System</p> <ul style="list-style-type: none"> - Array footprint: 26 mm - Maximum field of view: 61mm; 40 degrees in Virtual Format. - Virtual Format imaging mode extends the lateral field of view - Maximum Depth of display: 6cm <p>Multiple frequencies for all modes 2D, M-mode, Harmonics, Color Doppler (CDV and CDE), and PW Doppler.</p>
18L6 HD Transducer (MP), S2000	<p>The 18L6 HD extends over multiple superficial applications.</p> <ul style="list-style-type: none"> - Expanded MultiHertz™ multiple frequency imaging for 2D, Harmonics, M-mode, Color Doppler (CDE and CDV), and PW Doppler - Virtual Format imaging mode extends the lateral field of view - Array footprint: 58 mm - Maximum display depth of 80 mm - Maximum field of view is 40 degrees in sector format.