

## ACUSON S2000 Options Ordering Page

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

Qty	Item Description
2	<p><b>S2000 B&amp;W SieScape Pan Img Upg</b></p> <p>SieScape(tm) panoramic imaging option allows real-time 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.</p> <p>User interface features include start, stop and pause controls and an "optimal scanning speed" indicator. Individual images, which have been used to compose the SieScape image, can be viewed with their original contents via Cine function. SieScape images can be rotated to adapt to the correct anatomical orientation using the trackball.</p>
2	<p><b>S2000 Color SieScape Pan Img Upg</b></p> <p>The Color SieScape(tm) panoramic imaging option on the ACUSON S2000(tm) ultrasound system allows the user to create an ultrasound image with an extended field of view during real-time imaging in 2D and Power modes. The combination of Power and 2D modes provides exceptional views of the anatomy and its flow characteristics demonstrating anatomical relationships over a larger area than provided by standard 2D imaging. Color SieScape imaging can demonstrate anatomical relationships of tissue/organ and vasculature. Color SieScape imaging is compatible with all S2000 transducers and requires the B &amp; W SieScape imaging option.</p>
2	<p><b>S2000 Clarify VE Upg</b></p> <p>Clarify(tm) vascular enhancement technology uniquely utilizes power Doppler flow information to enhance B-mode imaging. The Clarify(tm) vascular enhancement technology option reduces slice thickness artifact in 2D throughout the field of view and reduces noise within macro and micro-vascular structures. The reduction in artifact further enhances tissue characterization and contrast resolution and improves boundary detection between tissues and clearly delineates vessel walls. Clarify VE technology is a post-scan conversion process that applies a mixing and processing algorithm to received data pixel-by-pixel. The advantages of Clarify VE are:</p> <ul style="list-style-type: none"><li>- Refines vascularity by reducing slice thickness and reverberation artifacts</li><li>- Provides pixel-by-pixel, real-time, adaptive enhancement</li><li>- Selectively enhances macro and micro-vasculature</li></ul>
2	<p><b>S2000 Cadence CPS Upg</b></p> <p>Cadence(tm) contrast pulse sequencing (CPS) technology* performance is a function of proprietary combinations of multiple pulses and filtering for the contrast agent generated non-linear fundamental signal. Cadence CPS is displayed in a simultaneous, live-dual format contrast agent image next to a fundamental B-mode image. Cadence CPS has several display options including full-screen and dual-image options, together with the option to show</p>

**Qty****Item Description**

B-mode only, Contrast-only, or Mix mode (with B-mode and contrast simultaneously displayed). This method is compatible with high-MI or low-MI imaging techniques.

2

**S2000 Virtual Touch IQ Upg USA**

The ACUSON S2000(tm) ultrasound system Virtual Touch(tm) IQ software license provides a color-coded tissue stiffness map and shear wave velocity measurements on a single image. The addition of a unique Quality Map allows immediate assessment of shear wave quality and improves diagnostic confidence. Unique algorithms that prevent display of areas with no shear waves, or where the shear waves are unquantifiable, add information and can prevent erroneous stiffness displays.

With Virtual Touch IQ, Siemens adds the third generation of its recognized strain solutions, providing a single image presentation of both qualitative and quantitative assessment of tissue stiffness. Virtual Touch IQ provides immediate visual assessment of lesions and simultaneous quantitative evaluation. It also allows faster and more accurate stiffness quantification. Comprehensive reporting packages provide easy export of measurements and related measurement analyses.

2

**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.

2

**18L6 HD Transducer (MP), Upg, S2000**

The 18L6 HD (High Density) is a large format, 50mm, linear transducer with a 6 to 18 MHz bandwidth. The 18L6 HD utilizes 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.

## ACUSON SC2000 Options Ordering Page

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

Qty	Item Description
1	<b>SC2000 eSie Left Heart Upg</b> Automated detection of Left ventricular and left atrial borders, generating measurements with little to no user interaction on typical 2D adult transthoracic images.
1	<b>SC2000 Dynamic NTEQ Ultrasound Tech Upg</b> Native NTEQ(tm) ultrasound technology (NTEQ) offers a sophisticated solution for 2D gain optimization capabilities in a continuous manner. NTEQ technology significantly reduces time spent optimizing imaging performance, while improving the consistency and quality of diagnostic exams.
1	<b>4V1c Transthoracic Transducer</b> A vector wide-view array transducer for transthoracic adult and pediatric echocardiography.
1	<b>SC2000 Gel Warmer upg</b> The gel warmer includes a power supply.