SIEMENS

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Unique selling proposition – Cardiology

ACUSON SC2000™ volume imaging ultrasound system

Value Proposition

The ACUSON SC2000 ultrasound system is Siemens' premier echocardiography platform. Customers can expect superior image quality, easy workflow, advanced applications and seamless, full-volume color imaging, making the ACUSON SC2000 system the optimal solution for adult and pediatric echocardiograms. Ideal for busy cardiology labs and research with a wide range of patients.

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Key Customer Challenges	Evaluating ventricular function	Quantifying valvular regurgitation	Integrating volume imaging	Time consuming calculations	Image quality and diagnostic confidence
Key Messages	**The ACUSON SC2000 system is a new standard in ventricular function through the use of eSie LVA™ Volume LV Analysis.**	**eSie PISA™ Volume Analysis quantifies valvular regurgitation without geometric assumptions.**	**eSie LVA™ volume LV analysis takes one click to analyze LV.**	**eSie Measure™ workflow acceleration package provides automated measurements for 2D, M-mode and spectral Doppler.**	**A superior architectural platform based on coherent image formation technology utilizing the power of up to 64 parallel receive beams.**
Clinical Value	■ Ventricular analysis can be performed for three consecutive heartbeats eliminating acquisition exclusions due to arrhythmias. ■ Automated calculations save time. ■ Reproducible results.	■ Provides ASE recommended quantitative parameters for objective assessment of severity of regurgitation quickly, accurately and reproducibly. ■ Time savings – 30 seconds to results. ■ Analyze data acquired for any valve.	■ Volume acquisition at the beginning of the exam for inclusion of 3D views, analysis and quantification into routine study for improved clinical information. ■ Include 3D views when they add value and continuity to the 2D views.	■ Improves efficiency and reproducibility of measurements. ■ Measurements in seconds – not minutes. ■ Reduces exam time. ■ Significantly reduces repetitive tasks for users.	■ Provides better image quality for confident diagnosis in the entire field of view. ■ Enhanced detail resolution. ■ Blood flow visualization. ■ Greater image uniformity. ■ Enhanced near field.
Competitive Differentiators	■ Higher volume rates for better image quality – up to 40 VPS at 16 cm depth. ■ One beat capture of full volume echo without stitching or gating. ■ Automated multi-beat analysis: one click solution without necessity of manual calculations.	■ No geometric assumptions. ■ No patient exclusion. ■ The eSie PISA application on the ACUSON SC2000 system is the only way to quantify Volume PISA through the use of 4D color Doppler data.	■ Superior image quality with color. ■ Competition has inferior single beat volume rates. ■ Automated, proven and easy to use application.	■ Siemens exclusive technology for automated measurements of 2D, M-mode and Spectral Doppler. ■ Knowledge-based workflow technology.	■ Eliminates traditional focal zone adjustments. ■ IN Focus technology acquires and processes information faster. ■ More accurate representation of cardiac function from full volume capture in one beat. ■ Superior image quality with color.