

ACUSON Redwood Ultrasound System

Detailed. Advanced. Efficient.

> siemens-healthineers.com/redwood



Cardiology



Removing the Barriers of Cardiac Ultrasound

71%

By 2020, chronic diseases accounted for almost three-quarters of all deaths worldwide. 71% of these deaths were due to cardiovascular disease¹, creating an ever-increasing need for premium imaging services to be accessible and affordable.

Globally, healthcare providers face an ongoing struggle for improved clinical outcomes against the constraints of tighter budgets. Meeting the demand for early detection, diagnosis, and timely treatment of a variety of chronic diseases is tremendously challenging for a physician. Ultrasound imaging must enable answers to a breadth of important clinical questions fast.



Ischemic Heart Disease

Ischemic heart disease (IHD) is the number one cause of death globally. An increase in IHD is expected to occur due to the prevalence of risk factors and a rise in the aging population.²



Heart Failure

Globally, there are over 64 million cases of heart failure (HF) from various etiologies. The global economic burden of HF is estimated at over \$346 billion US dollars.³



Atrial Fibrillation

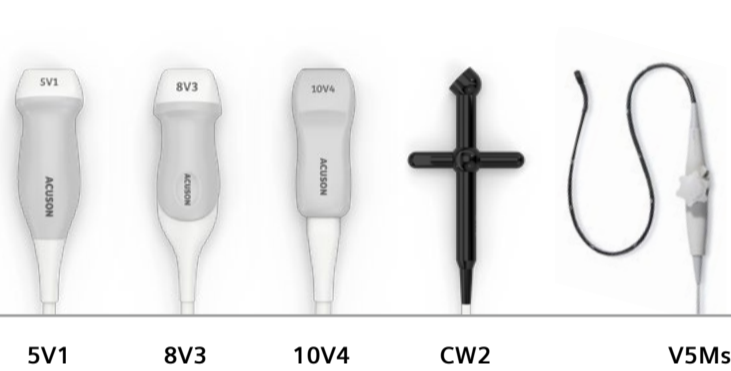
Atrial fibrillation is the most frequently diagnosed cardiac arrhythmia and it is estimated that 6–12 million people globally will suffer this condition by 2050. Atrial fibrillation is a major risk factor for stroke and comes with significant economic burden.⁴

ACUSON Redwood

Offering detailed image quality, advanced applications, and efficient workflow, the ACUSON Redwood system provides an ultrasound solution that redefines routine cardiology exams.



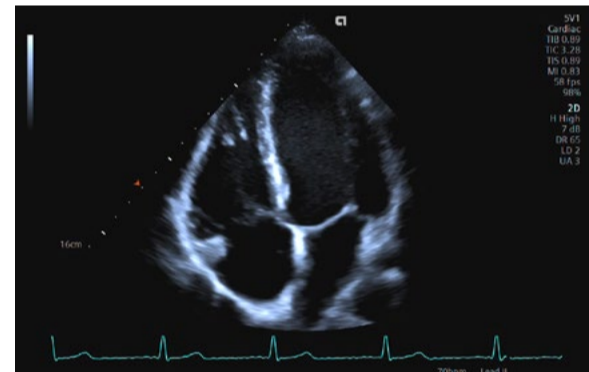
Detailed



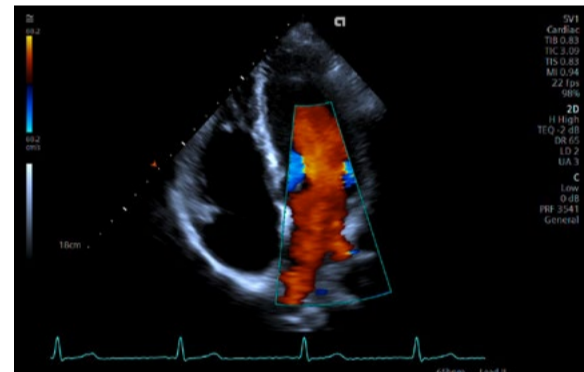
InTune Transducer Technology
Next generation InTune transducer technology with advanced materials, optimization and manufacturing resulting in superior signal fidelity.*



Auto TEQ Image Optimization
Automatically optimize relevant parameters to minimize operator adjustments.



Coherent Image Formation
Using both Phase and Amplitude information to form an image with improved clarity and focus from near to far field.

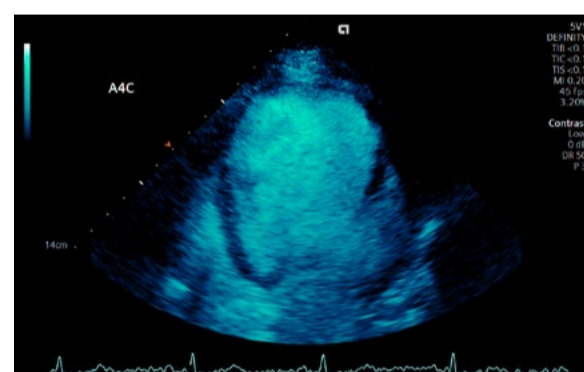


Color Flash Suppression Technology
Automated reduction of color flash artifact for improved color sensitivity and performance.

Advanced



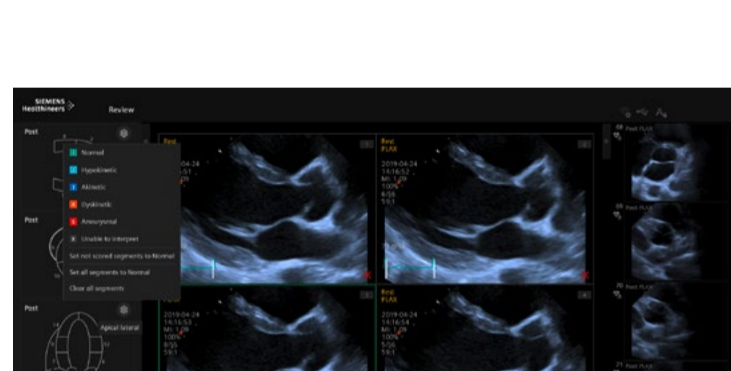
syngo® Velocity Vector Imaging
Use speckle tracking echocardiography to assess myocardial motion and mechanics with GLS, GCS, RV, and LA strain.



LVO Contrast
Assess left ventricular size and function with improved signal-to-noise ratio and better penetration.



Transesophageal Imaging
See enhanced visualization of cardiac structures with the V5Ms transesophageal transducer.



Stress Echo
Utilize the comprehensive and flexible stress echo package that includes configurable protocols and wall motion scoring features.

Efficient



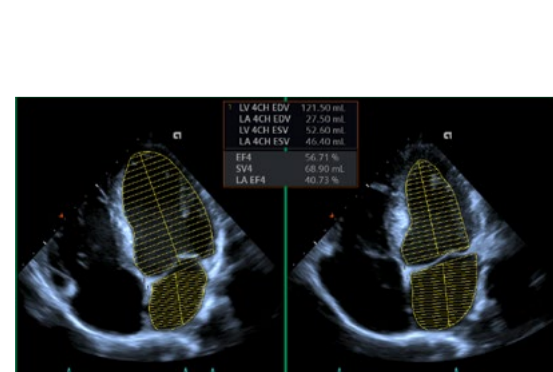
Lightweight and Portable
Bring precision imaging to more patients with lightweight portability.



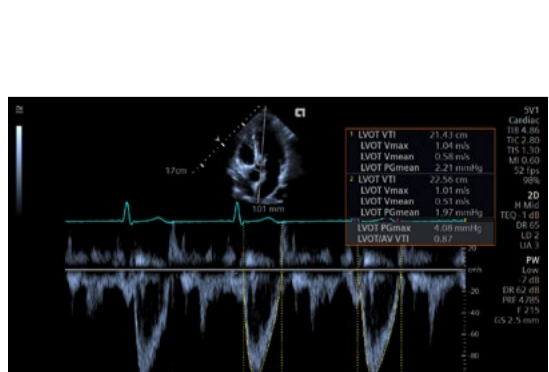
Simplified Workflow
Complete exams efficiently with AI-enabled** workflow applications, intuitive control panel design, and customizable touch screen options.



UltraArt Universal Real-time Quad Display
Select image preferences at the touch of a button, improving contrast resolution and increasing exam quality and consistency.

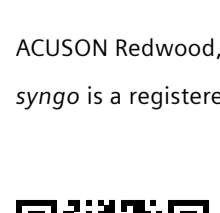


eSie Left Heart Measurement Package
AI-enabled automated analysis of left ventricular and left atrial size and function.



eSie Measure Workflow Acceleration Package
AI-enabled, 1-click measurements for 2D, Doppler, and M-mode minimize keystrokes and increase reproducibility.

ACUSON Redwood, eSie Left Heart, eSie Measure, InTune, Auto TEQ, and UltraArt are trademarks of Siemens Medical Solutions USA, Inc. syngo is a registered trademark of Siemens Healthcare GmbH.



* When compared with standard piezoelectric element based transducers
** Software application leveraging machine learning-based Artificial Intelligence to achieve the intended outcome.

¹ World Health Organization: The Global Burden of Chronic Disease (https://www.who.int/nutrition/topics/2_background/en/)
² Khan MA, Hoshim MJ, Mustafa H, et al. Global Epidemiology of Ischemic Heart Disease: Results from the Global Burden of Disease Study. *Cureus*. 2020;12(7):e9349.
³ Lippi, Giuseppe, & Fabian Sanchis-Gomar. Global epidemiology and future trends of heart failure. *AME Medical Journal* [Online], 5 (2020): n. pag. Web. 3 Mar. 2021
⁴ Lippi G, Sanchis-Gomar F, Cervellin G. Global epidemiology of atrial fibrillation: An increasing epidemic and public health challenge. *Int J Stroke*. 2021 Feb;16(2):217-221.