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### Ultrasound Buyer's Guide

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#### **HITACHI** Inspire the Next

##### Hi Vision Preirus

###### A Compact Premium Ultrasound Platform That Adapts to Your Environment

- A new generation premium compact ultrasound platform with the latest broadband beamforming technology and ultra high speed processing capability
- Combined with Hitachi's extensive transducer range the platform supports all clinical applications from general imaging to interventional, endoscopic, and surgical specialties
- Advanced signal processing technologies that include tissue adaptive filtering, high definition tissue harmonics, spatial and frequency compounding and coded imaging can all be combined to ensure superior penetration, spatial and contrast resolution for every exam
- Award-winning, ergonomic design that incorporates the unique flexible one-action adjustment of the LCD with the operator console to comfortably accommodate all operator and patient position combinations
- Smart Touch operation featuring a touch screen integrated with the 19" liquid crystal display (LCD) for increased scanning efficiency
- Incorporates the latest Hitachi pioneering technologies: Hitachi Real-time Tissue Elastography (HI-RTE), Hitachi Real-time Virtual Sonography (HI RVS), and dynamic Contrast Harmonic Imaging (dCHI)

##### Hi Vision Avius

###### A High Performance Ultrasound Platform Inspired by Experience

- A high performance affordable platform that is small in stature but big in performance based on the new generation system architecture and offering the same imaging performance characteristics as the HI VISION Preirus
- With an extensive transducer range that is compatible across all Hitachi platforms, it supports all clinical applications from general imaging to interventional, endoscopic, and surgical specialties
- Has been awarded the iF Product Design Award for its ultra-slim, sympathetic design that is easy to use and incorporates many operator friendly features such as the elegant operator console with customisable keys
- The 17" LCD is mounted on a flexible arm for free positioning and incorporates a large displayed image and graphical user interface for image parameter control
- HI VISION Avius offers premium modalities such as Hitachi Real-time Tissue Elastography (HI-RTE), dynamic Contrast Harmonic Imaging (dCHI) and 4D, recognising their diagnostic value in routine applications.

##### Philips iU22

###### xMATRIX Ultrasound System

Philips iU22 xMATRIX ultrasound system is a revolution in premium performance ultrasound. By combining clinically-proven and field-tested advances with new xMATRIX technology, Philips has created a system that delivers remarkable images while addressing your workflow challenges. The iU22 xMATRIX is an innovation that increases clinical confidence, reduces exam time, and brings more diagnostic information to the reading room.

- Superb image quality, even on technically challenging patients
- Simultaneous high resolution, real time scanning in two planes with Live xPlane imaging
- Outstanding versatility - go from 2D to 3D, 4D, MPR, Live xPlane and Live Volume at the touch of a button
- PercuNav instrument fusion and navigation capabilities
- Full range of applications, including abdominal, Ob/Gyn, TCD, MSK, cardiology, vascular, interventional, and small parts

For more information, please visit [www.philips.com/xMATRIX](http://www.philips.com/xMATRIX)

##### Philips CX50

###### CompactXtreme Ultrasound System

Philips Cx50 Compactxtreme ultrasound system is a new class of compact ultrasound. Premium capabilities are integrated into the Cx50 for big system performance everywhere you need it, so you don't have to sacrifice performance for portability. The Cx50 system was designed for your

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critical study requirements, with premium technologies from our iE33 and iU22 systems, such as PureWave transducers, SonoCT imaging and xRES technology, to bring a new level of image clarity to compact ultrasound.

- Premium performance everywhere you need it
- Exceptional results on technically difficult patients
- Breakthrough workflow solutions and ergonomic design
- Exam versatility – cardiology, general imaging, vascular, and Ob/Gyn

For more information, please visit [www.philips.com/CX50](http://www.philips.com/CX50)

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