Hitachi Medical Systems’ Values and Services

Hitachi Medical Systems combines high technology with the Asian tradition of long-term thinking, a high level of consciousness for quality aspects and the subsequent understanding of service.

In building valuable, long-term relationships with our customers, we have achieved an understanding of their different needs and expectations. This has strengthened our commitment to deliver high-quality products which fulfil the requirements of each unique clinical specialty.

We provide a one-to-one service to secure first-class customer satisfaction. The close working relationships among sales, application and many other key members of Hitachi Medical Systems guarantee appropriate reactions and fast responses.

We always endeavour to go the extra mile. We succeed because we welcome new ideas, products and services. Services such as our 360° educational programme, the Hitachi Medical Systems Technology Academy, offering tailor-made, added-value services and solutions for professionals in all fields of medicine and other interested groups.

We abide by our corporate philosophy which believes that we have a social responsibility to protect our environment, so that the next generation has a firm grounding on which to build a secure future.

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Specifications and physical appearance may be changed without prior notice in order to improve performance. Some features described are optional. Please read instruction manual to ensure correct operation of the equipment.
Hitachi Medical Systems presents its extensive range of high resolution linear, convex, and phased array wideband transducers providing unparalleled versatility within all applications from abdominal, obstetrics and gynecology through to superficial, vascular and cardiac. In addition, highly specialized transducers support endoscopic, biopsy, endorectal, laparoscopic, intra-operative, and intraluminal investigations.

The transducers are produced using Hitachi’s proprietary Super Multilayer transducer technology with wide bandwidths, enabling multiple selectable frequencies for native B-mode, tissue harmonics, colour and pulse wave Doppler. Ergonomic design, light-weight housing materials, along with cable flexibility and length minimise strain on the hand and wrist.

Hitachi Medical Systems Europe is the European headquarters of Hitachi Medical Corporation whose corporate head offices are located in Tokyo, Japan, a company renowned for technological innovation. Our broad experience and expertise in ultrasound imaging makes us a recognized leader in this field, meeting the latest design and quality standards, combined with outstanding image quality and advanced clinical applications.
Our Transducer Range

At the forefront of fundamental material research and cable design, Hitachi earned a place in history by introducing the first curved linear array. Today, Hitachi still manufactures the majority of its transducers in-house and is at the leading edge of transducer materials design. Advances in transducer technology go hand-in-hand with more sophisticated system hardware developments. Hitachi’s 7-series transducers represent just such advancement: the expanded bandwidth required to exploit the state-of-the-art technologies on our HI VISION platforms (compounding techniques, advanced tissue harmonics, and HI Rez+ tissue adaptive filtering). Each 7-series probe is designed for high performance across all operating frequencies.

Convex Transducers

- **EUP C715**
  - MHz: 1.0 – 5.0
  - Convex 50R
  - Field of view: 75°

- **EUP C314**
  - MHz: 2.0 – 5.0
  - Convex 66R
  - Field of view: 90°

- **EUP C311**
  - MHz: 2.0 – 5.0
  - Convex 55R
  - Field of view: 165°

- **EUP C304**
  - MHz: 2.0 – 5.0
  - Convex 40R
  - Field of view: 150°

- **EUP C309**
  - MHz: 3.0 – 8.0
  - Convex 65R
  - Field of view: 135°

- **EUP C308**
  - MHz: 4.0 – 8.0
  - Convex 45R
  - Field of view: 120°

- **EUP C710**
  - MHz: 5.0 – 1.0
  - Convex 50R
  - Field of view: 70°

- **EUP C020**
  - MHz: 6.0 – 2.0
  - Convex 60R
  - Field of view: 90°

- **EUP C021**
  - MHz: 6.0 – 3.0
  - Convex 60R
  - Field of view: 90°

- **EUP C022**
  - MHz: 5.0 – 2.0
  - Convex 50R
  - Field of view: 75°

- **EUP C024**
  - MHz: 6.0 – 2.0
  - Convex 50R
  - Field of view: 75°

Linear Transducers

- **EUP L515**
  - MHz: 5.0 – 1.0
  - Linear 38mm

- **EUP L719**
  - MHz: 7.0 – 3.0
  - Linear 38mm

- **EUP L512**
  - MHz: 5.0 – 2.0
  - Linear 38mm

- **EUP L510**
  - MHz: 5.0 – 2.0
  - Linear 38mm

- **EUP L511**
  - MHz: 5.0 – 2.0
  - Linear 38mm

- **EUP L516**
  - MHz: 5.0 – 2.0
  - Linear 38mm

- **EUP L516**
  - MHz: 5.0 – 2.0
  - Linear 38mm

- **EUP L514**
  - MHz: 5.0 – 2.0
  - Linear 38mm

- **EUP L513**
  - MHz: 5.0 – 2.0
  - Linear 38mm

Endocavity Transducers

- **EUP U531**
  - MHz: 8.0 – 4.0
  - Convex 10R
  - Field of view: 150°

- **EUP U533**
  - MHz: 8.0 – 4.0
  - Convex 10R/Linear 64mm
  - Field of view: 165°/64mm

- **EUP R54AW-19**
  - MHz: 10.0 – 5.0
  - Radial 6R
  - Field of view: 360°

- **EUP U531**
  - MHz: 8.0 – 4.0
  - Convex 10R/Linear 64mm
  - Field of view: 165°/64mm

- **EUP U533**
  - MHz: 8.0 – 4.0
  - Convex 10R/Linear 64mm
  - Field of view: 165°/64mm

- **EUP VV731**
  - MHz: 8.0 – 4.0
  - Convex 185
  - Field of view: 250°

Dynamic Contrast Harmonic Imaging (dCHI) enabled
Biopsy Guidance

Transducer specifications may vary by platform

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Hitachi Real-time Tissue Elastography (HI-RTE) enabled

4D 3D ultrasound

Dynamic Contrast Harmonic Imaging (dCHI) enabled

Biopsy Guidance
Biopsy Guidance coupled with Advanced Technologies

Hitachi’s range of transducers is innovative and inspired, providing the gateway for mainstream applications, complex interventional procedures and premium technologies.

Biopsy Guidance

Hitachi’s unique range of transducers in its innovative Endoscopic Transducer series of transducers and Phased Array Transducers is designed to support your oncological biopsy requirements. Developed in collaboration with clinical professionals, these transducers are dedicated to high-quality biopsy guidance and performance.

Hitachi’s biopsy needle guidance is a critical requirement in oncology for the efficient diagnosis of many different diseases. A variety of Hitachi ultrasound systems offer the necessary high-quality image guidance to support your procedures. Hitachi Ultrasound systems are renowned for their advanced biopsy guidance and Needle Positioner for Interventional Diagnostics and Therapeutic procedures are available.

Examples of biopsy attachments for convex, linear and phased array transducers.

When coupled with any of our advanced technologies that provide superior localization and targeting, such as Hitachi’s Real-time Virtual Sonography (HI RVS), Hitachi’s Real-time Tissue Elastography (HI-RTE), successful needle placement for interventional diagnostic and therapeutic procedures is assured.

Hitachi Real-time Virtual Sonography (HI RVS)

Hitachi Real-time Virtual Sonography (HI RVS) is your simple solution for combining multiple concurrent imaging techniques in one comprehensive examination. Giving you a rich, intuitive real-time display of free-hand ultrasound images alongside corresponding Computed Tomography (CT) and Magnetic Resonance (MR) images, HI RVS advanced imaging technology offers you improved diagnostic accuracy and enhanced clinical guidance.

Hitachi Real-time Tissue Elastography (HI-RTE)

HI-RTE is an exciting innovation in ultrasound imaging which allows assessment and real-time colour display of tissue elasticity. With Hitachi’s pioneering technology now adding a quantitative dimension to the colorimetric display, it revolutionized the detection and visualization of malignant disease and increased accuracy for tissue sampling in clinical areas such as the breast, prostate, thyroid and pancreas, and many more.

Our Ultrasound Platforms

Versatile to powerful without compromise – choose from a range of systems that deliver the performance, reliability and image quality to match your clinical requirements.

Hi VISION 900

The Hi VISION 900 incorporates the highest levels of technology, to give you the best possible diagnostic confidence. In supporting a wealth of clinical applications and transducers, the Hi VISION 900 is truly unique in today’s market. The design of this system was driven by research, innovation and leading-edge technology, all focusing on the end user.

Hi VISION Preirus

ANCHORED IN Hitachi’s rich technological expertise, the Hi VISION Preirus has a platform architecture designed for the next generation and incorporates the latest in broadband beamforming technology and advanced speed image processing. With its unique ergonomic design, the Hi VISION Preirus adapts to your environment to make you feel comfortable in your diagnosis.

Hi VISION EUB-7500 HV]

The Hi VISION EUB-7500 HV provides outstanding performance across a wide range of clinical areas. The most powerful system in its class, it provides a wealth of diagnostic information through superior image processing. Its unrivalled flexibility accommodates multi-specialty applications such as radiology, obstetrics/gynaecology, internal medicine, cardiovascular and endobronchial ultrasound.

Hi VISION Avius

The Hi VISION Avius is efficiently and attractively designed to offer you affordable high quality imaging, with compatibility to Hitachi’s full range of standard and dedicated specialist transducers. Incorporating Hitachi’s new system architecture, the Hi VISION Avius is efficiently and attractively designed to offer you affordable high quality imaging, with compatibility to Hitachi’s full range of standard and dedicated specialist transducers. Incorporating Hitachi’s new system architecture, the Hi VISION Avius is designed for maximum flexibility to accommodate your requirements.

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