# Changing your idea of clinical performance
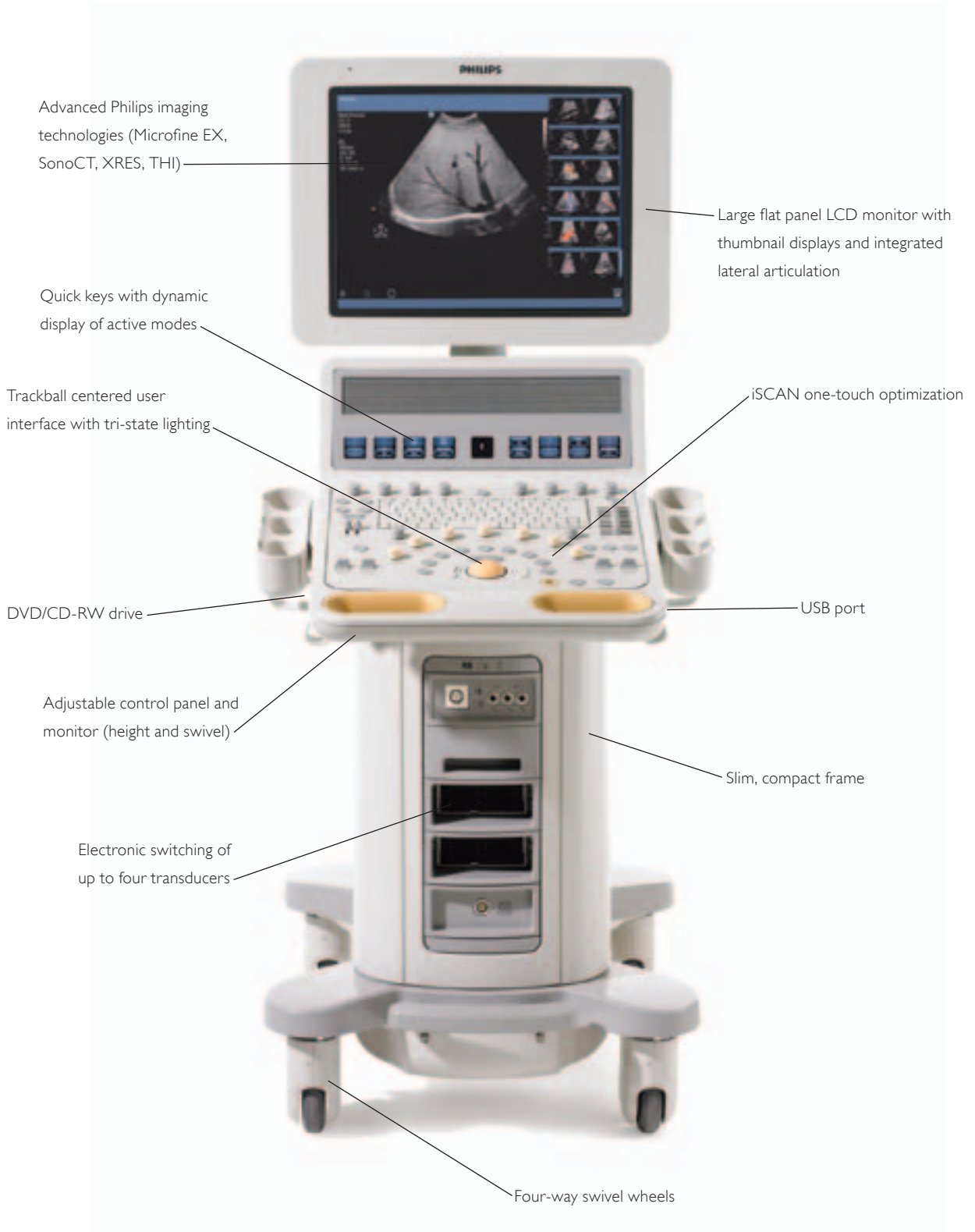
**Philips HD15** ultrasound system

**PHILIPS**

# Introducing the clinically advanced Philips HD15 system

Ultrasound scanning is a growing part of many busy practices and systems that are versatile and easy to use are essential. Now you can have an ultrasound system with the clinical performance that balances your need to efficiently address a large daily patient load with the ability to access powerful diagnostic capabilities and perform difficult in-depth clinical evaluations with ease and confidence.

The Philips HD15 ultrasound system incorporates the superb imaging and performance you've always wanted but, until now, could get only on premium-class systems. Loaded with a host of must-have usability features, versatile capabilities, and spectacular image quality, the HD15 redefines value by giving you the performance and efficiencies you need for more of your everyday exams and the diagnostic confidence for the most demanding clinical challenges, all in one system.

Advanced Philips imaging technologies (Microfine EX, SonoCT, XRES, THI)

Large flat panel LCD monitor with thumbnail displays and integrated lateral articulation

Quick keys with dynamic display of active modes

Trackball centered user interface with tri-state lighting

iSCAN one-touch optimization

DVD/CD-RW drive

USB port

Adjustable control panel and monitor (height and swivel)

Slim, compact frame

Electronic switching of up to four transducers

Four-way swivel wheels

# Finally, the image qua
# and the usability you

We created HD15 to make your ultrasound exams easier and faster, while delivering a whole new level of clarity and diagnostic confidence, especially on more technically challenging patients and pathologies. The HD15 is designed for exceptional image quality, with a revolutionary architecture, Microfine EX focusing, and premium capabilities migrated from our industry-leading systems. HD15 was born of the experience of Philips engineers responsible for some of the world's most renowned ultrasound systems and transducers—you and your patients are the beneficiaries.

## Sophisticated technologies. Simple to use.

Philips technologies are so sophisticated, they're simple. They are seamlessly combined in the HD15 to give you a robust system.

For advanced imaging and greater diagnostic confidence, rapid **3D** volume renditions and dynamic **4D** displays are presented with incredible clarity and detail resolution. This is a result of the HD15's next generation architecture with new high resolution analog-to-digital conversion (A/D) technology and 4X parallel processing, leading to incredible contrast resolution as well as outstanding frame rates and 4D volume rates.

For superb image sharpness and uniformity, **Microfine EX focusing** provides dynamic receive lens tuning with five times more focal points than previous generation systems.

For images with less noise and fewer artifacts, **SonoCT** is true real-time compound imaging that merges up to nine lines of sight to create one amazing image with better clarity of curved and irregular borders.

To attain extraordinary clarity and edge definition, advanced **XRES** adaptive image processing uses proprietary algorithms originally developed for Philips MR to display images that are essentially free from noise, without reducing frame rates.

To more effectively examine a wider range of patients with minimal transducer switching, the versatile new S5-2 transducer features **PureWave crystal technology**, the biggest advance in transducer technology in 40 years. The exclusive Philips process creates a transducer crystal that is significantly more efficient than other transducer material and makes it possible to use a S5-2 transducer to cover a frequency range previously needing two transducers.

To quickly achieve optimal image quality in 2D, color and Doppler exams, **iSCAN** image optimization is a one-button push that automatically adjusts multiple parameters in these modes.

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# demand
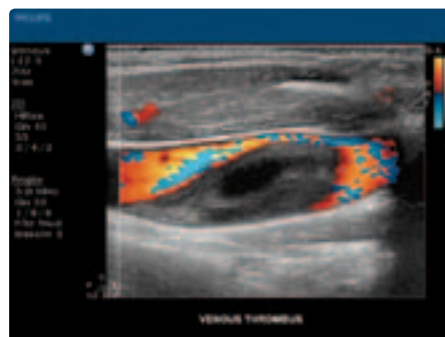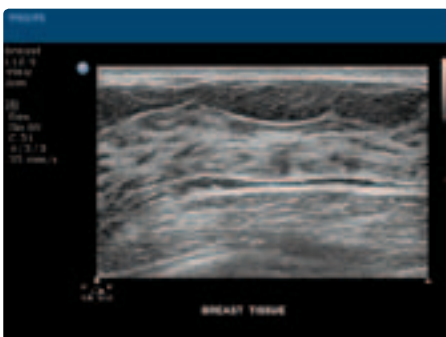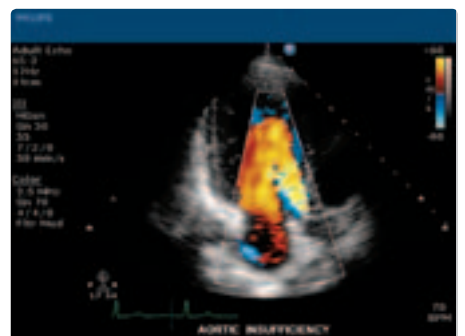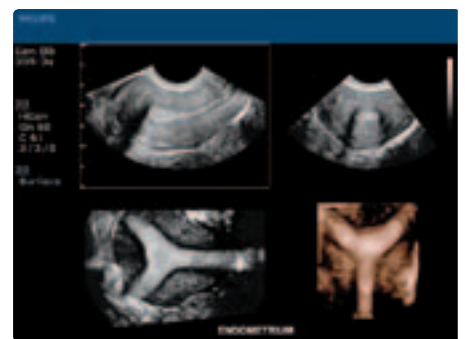
### Developed to speed your workflow

The HD15 is designed to give you optimum imaging performance with minimum steps—simply choose a **Tissue Specific Imaging** preset and complete an exam with minimal adjustments. HD15 is engineered for just that kind of leading-edge usability with fast transducer switching during exams, plus one-button **iSCAN image optimization** that assures you new levels of efficiency and diagnostic confidence. The combination of functional simplicity and heritage of premium technologies make HD15 the one system with the performance to meet more of your needs.

### Changing the way you look at ultrasound

Manipulate exam parameters and image settings as needed, even after the patient has left. With **active native data**, you no longer have to settle for the images or cineloops you've captured. You can further investigate and manipulate the original image to see new detail.

For new efficiencies in completing follow-up exams.
**Live Compare** allows you to bring up a previous exam and place it beside your active exam so you can immediately see and compare changes in structure and flow.

The HD15 has the performance and versatility to meet more of your needs.

# Versatile clinical pe

The all-new HD15 delivers outstanding performance in a wide range of exam types and clinical settings. With its suite of intelligent optimization tools and configurable patient reports, the HD15 is as versatile as it is simple. Unlike some other systems that boast ease of use, the HD15 also offers the diagnostic capabilities you need to perform difficult, in-depth clinical exploration. Advantages like these help assure both user simplicity and productivity:

- The HD15 is highly configurable, from dedicated use in a single specialty or department, or as a multi-specialty system for more complete hospital and point-of-care support.
- Small, mobile design brings advanced clinical performance to the bedside.
- Tissue Specific Imaging presets automatically optimize transducers to the exam type for brilliantly clear imaging with little-to-no adjustment.
- On-cart and off-cart access to Philips QLAB software, delivering automated and objective methods for quantifying ultrasound data.

**Applications**
- Abdominal
- Small parts and superficial
- Breast
- Pediatric
- Musculoskeletal

- Obstetrical and gynecological
- Prostate
- Vascular
- Intraoperative vascular
- Transcranial Doppler
- Cardiac

- Transesophageal
- Stress echo
- Emergency medicine
- Critical care
- Regional anesthesia

**Quantification**
- General Imaging 3D Quantification (GI 3DQ) for opening and viewing 3D data sets and obtaining 2D or volume measurements
- Tissue Motion Quantification (TMQ) for assessing global, regional and cardiac function with speckle tracking technology
- Strain Quantification (SQ) for assessing regional myocardial function from Tissue Doppler Imaging
- Intima Media Thickness (IMT) automated measurements to aid in identifying patients at risk for cardiovascular disease
- Region of Interest (ROI) for consistent and reliable acoustic measurement and analysis

# rformance

You can count on the Philips HD15 ultrasound system not only for peace of mind, but also for a long running return on your investment.

### Keeping you up and running

For 16 years IMV Limited™, a prestigious independent healthcare research company, has rated Philips number one in its ServiceTrak Imaging-All Systems report for customer service satisfaction, out of thousands of companies compared worldwide.
• World class help is only a phone call away.
• Online remote diagnostics and service support give you fast answers and keep you running.

### Services—A full lifecycle solution

The success of your organization depends on people. Philips Services are designed with that in mind—creating healing environments, developing your staff, improving your organization's performance, and increasing patient satisfaction.

Philips provides a full lifecycle solution designed around your patients, your people, and your organization. We help you succeed in every phase of system ownership, from planning to start-up, through peak usage and renewal.

### Planning

Understand how and when the right equipment and services contribute to better patient care and better economics.
• Philips Medical Capital financial solutions
• Energy efficient equipment designs

### Start-up

Make the most of your system as quickly as possible.
• Clinical application education    • In-house service training
• Online learning center           • Dedicated install teams

### Peak usage

Extract maximum utility out of your system day to day.
• Comprehensive and partner service agreements
• Remote services                  • Service information portal
• Utilization services             • Philips technology updates

### Renewal

We'll help you make smart decisions on upgrading or transitioning to a new system.
• Installed base programs
• Refurbished systems

**The power of Philips**
When you purchase an HD15 system, you partner with Philips Healthcare, a leading provider of imaging, radiation oncology, patient monitoring, healthcare information management, and resuscitation products. Philips simplifies healthcare by focusing on the people in the care cycle—patients and care providers. By combining human insights and clinical expertise, Philips aims to improve patient care while lowering the burden on the healthcare system.

With 30,000 employees worldwide, Philips Healthcare is committed to meaningful innovation based on customer insights. This commitment is your assurance of products and services that meet your needs, today and tomorrow.

With a small footprint and easy mobility, the HD15 can easily move from one patient exam to the next.

For more information visit: www.philips.com/HD15