



Premium performance compact ultrasound

Philips CX50 CompactXtreme ultrasound system

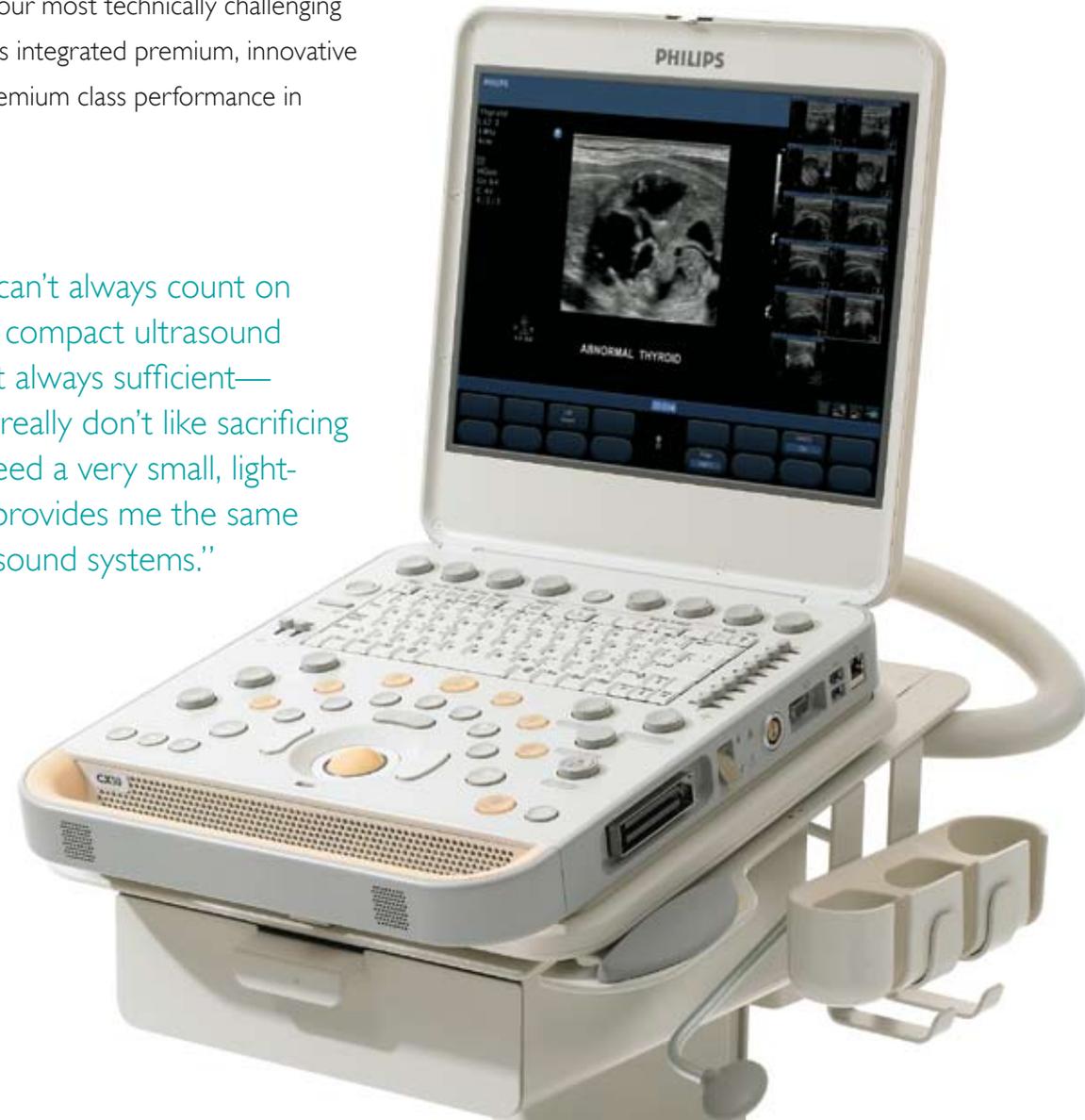
PHILIPS

Introducing the Philips CX50 CompactXtreme system

Now you can be confident in the data from your exams, including your most technically challenging studies. Philips, a leader in cutting-edge ultrasound development, has integrated premium, innovative technologies into the new CX50 system to address the need for premium class performance in a compact ultrasound system.



“While doing portable studies I can’t always count on the performance of my smaller, compact ultrasound system. The image quality is not always sufficient—especially on difficult patients. I really don’t like sacrificing performance for portability. I need a very small, light-weight ultrasound system that provides me the same image quality as my larger ultrasound systems.”



Premium performance anywhere



Bedside

The compact size of the CX50 allows you to have premium performance for your portable exams. Easily scan a wide range of applications at the bedside—abdominal, vascular, Ob/Gyn, and cardiac—and take advantage of premium image quality for your patients.



Emergency department

The CX50's performance, portability, and clinical versatility make it an ideal system for emergency departments. Premium imaging helps you make fast and confident diagnoses even on your most difficult patients.



Critical care units

Because of its premium image quality, the CX50 system is the ideal choice for imaging your critically ill patients. Its lightweight, small, and highly mobile cart allows you to easily maneuver in the confined ICU environment.



Satellite locations

The CX50 is ideal for satellite offices that are supported on a rotational basis. You can rely on premium data for your entire patient population.



OR and interventional environments

The CX50 system adapts nicely to the space and ease-of-use requirements of the interventional suite, providing increased visualization during guided procedures.



Field support

The CX50 travels easily, allowing you to capture clear data at screening events, disaster sites, rural visits, and anywhere else you need premium image quality.

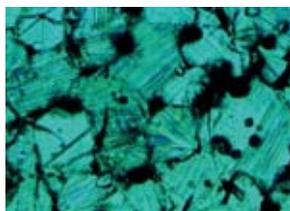
Premium class performance in a compact ultrasound system

Extreme performance is built into the CX50 system with clinically proven premium technologies. Images are displayed with exceptional clarity, giving you the data you need for confident diagnoses.

PureWave goes portable

PureWave technology, previously available only on the Philips iU22 system, has been integrated into the new CX50 CompactXtreme system. Clinicians can rely on exceptional tissue detail, enhanced far field resolution, and the ability to image a wide variety of patients, including the technically difficult, with one transducer.

PureWave technology is the biggest breakthrough in piezoelectric transducer technology in 40 years. And now this leading-edge premium grayscale imaging technology is available on a portable system.



Conventional



PureWave

As you can see (800X magnification), PureWave crystals have virtually perfect uniformity for greater bandwidth and twice the efficiency of conventional ceramic materials. The result is excellent imaging and Doppler performance on your patients, especially the technically difficult.

Digital broadband beamforming on a compact

The CX50 combines the broadband capabilities of a digital beamformer with the broadband signals produced by Philips premium transducers including those with PureWave technology. For the first time in a compact system, complete tissue signatures are captured, preserved, and displayed. The level of image quality is exceptional, allowing you to fully appreciate subtle anatomical details.

SonoCT and XRES technologies bring a new level of clarity to compact ultrasound

Philips SonoCT is a clinically-proven premium technology that acquires up to 9 lines of sight and combines the individual images into one clear well-defined image in real time. SonoCT displays striking levels of tissue differentiation that are virtually free of artifact.

Advanced XRES adaptive image processing reduces speckle, haze and clutter, resulting in images virtually free from noise with extraordinary clarity and edge definition. When SonoCT and XRES work in tandem, even the subtlest of diagnostic features are enhanced.

Transducers for a full range of clinical applications

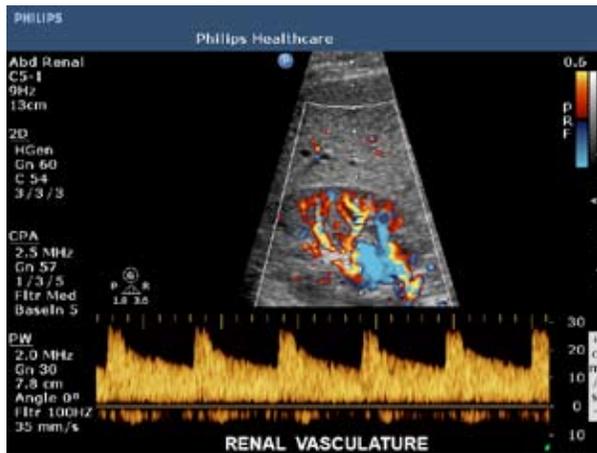
The CX50 supports premium performance 2D and Doppler for a wide range of exam needs—abdominal, vascular, breast, MSK, superficial, obstetrical, gynecological, and cardiac.

- C5-1 PureWave curved array
- S5-1 PureWave sector array
- C9-3v PureWave curved array
- L12-3 broadband linear array
- X7-2t PureWave TEE



The CX50 transducers address a variety of curved, sector and linear array requirements.

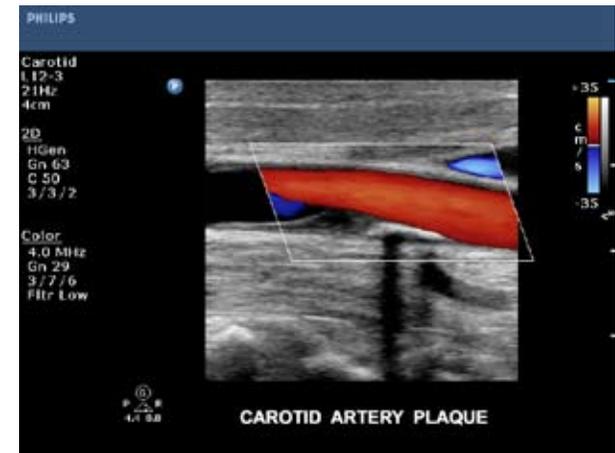
Seeing is believing



PureWave technology on the C5-1 curved array transducer provides excellent 2D imaging and Doppler sensitivity as seen in this native kidney.



The exquisite detail of this hemangioma and surrounding tissue and structures is the result of PureWave technology on the C5-1 transducer.



The size and location of plaque and blood flow in the carotid artery are easily appreciated in this image with the L12-3 linear array transducer.



PureWave on the C9-3v transducer provides exceptional clarity of uterine anatomy with clear definition of the midline and walls.



The C5-1 transducer uses PureWave technology to capture details of small structures in the far field, such as the fetal anatomy shown in this image of a tiny heart and abdominal organs.



Note the clear definition of testicular tissue and surrounding fluid in this image obtained with the L12-3 linear array transducer.

Premium compact ultrasound everywhere you need it

The CX50 system adapts to your workflow, whether you're in the ICU, at the bedside, in the ED, or at a remote location. With easy-to-use tools designed for your needs, you're ready to scan wherever your patients are located.

Breakthrough workflow solutions

The CX50 was designed to make portable exams easy and efficient. With a single button, iSCAN technology automatically samples data for quick optimization for 2D and Doppler performance. To increase efficiency and diagnostic confidence, the CX50 incorporates the latest 3D freehand acquisition to enable advanced volume workflow studies.



One-button controls are logically placed on the CX50 control panel for quick selection and optimization during every exam.

Reduce exam time by up to 50% with SmartExam

SmartExam protocols are easy-to-use customizable guides that help you perform complete studies on every patient. The on-screen menu guides you through the required views for a specific exam type, automatically enters annotation, and builds your report. Save time, reduce repeated moves, and increase efficiency and consistency of exams.

Compact ultrasound designed for your environment

The CX50 system features a high resolution monitor for optimal viewing in difficult portable environments, and fast system start-up allows you to quickly begin your studies. Wireless and wired DICOM allow flexibility when connecting to your PACS. You can also export your data by DVD and USB media with integrated DICOM viewer.

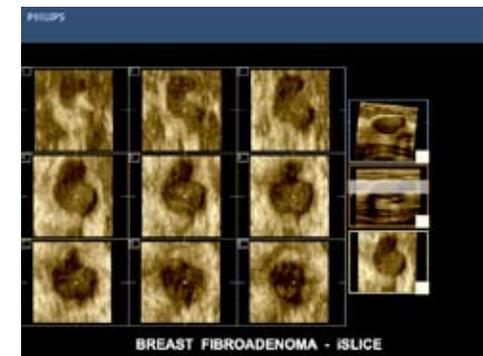
Fine-tune exams with active native data

The CX50 system stores active native acoustic data giving you the ability to adjust virtually all scanning parameters on single images, clips or stored 2D and Doppler data. Images can be readjusted during or after the exam, enhancing diagnostic details, allowing for shorter exam times, and reducing the need for repeat studies.

Expand diagnostic information with QLAB quantification software

The CX50 offers assessment and analysis capabilities with QLAB's clinically proven plug-ins.

- GI 3D quantification—GI 3DQ
- Region of interest—ROI
- Intima media thickness evaluation—IMT
- Tissue motion quantification with speckle tracking technology—TMQ
- Strain quantification—SQ
- MicroVascular imaging—MVI



QLAB's iSlice display allows you to adjust the interval spacing so you can view an entire structure in 4, 9, 16 or 25 slices, or focus on a small area of interest, such as this breast mass.

Extreme portability

Take the CX50 where you need it—throughout the hospital and to remote sites. With its cart, travel case and hand-carry portability options, you have the freedom to scan everywhere.



On cart

The CX50 cart allows for easy mobility and effortless maneuverability throughout the hospital. The system and cart are combined ergonomically into one unit that is slim, lightweight and height adjustable. It can be swiveled and locked so you are set up quickly everywhere you need premium performance. It's the solution for your patient exams in confined areas, such as the CCU and bedside.



Hand carry

For situations that call for the ultimate in portability, the CX50 is a fully functional laptop-sized ultrasound system with a handle for easy carrying. Now you can navigate with a new level of utility, and take premium performance where fast responses are needed.



Remote travel

The CX50 system is the ideal solution for multiple-site support. With its convenient travel case, you can easily take the CX50 to distant clinical locations.

Our portfolio of services is as innovative, flexible and comprehensive as your Philips system. From consulting in preparation, installation and networking, to providing clinical and biomedical engineering training, education and e-learning, to sourcing financial options, we have the expertise to assist you in finding the best solution for your specific needs.

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www.healthcare.philips.com/ultrasound

Bringing expertise and vision to your ultrasound education

Philips offers a wide array of clinical and technical education, online resources and training courses to meet the increasingly complex needs of healthcare professionals and staff members. Whatever your need, there is a medical education course or resource available that is specifically tailored to fulfill the learning requirements of you and your organization.

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Please visit www.philips.com/CX50



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