PHILIPS

Ultrasound

CX50 CompactXtreme

Premium **performance** compact ultrasound

Philips CX50 CompactXtreme ultrasound system

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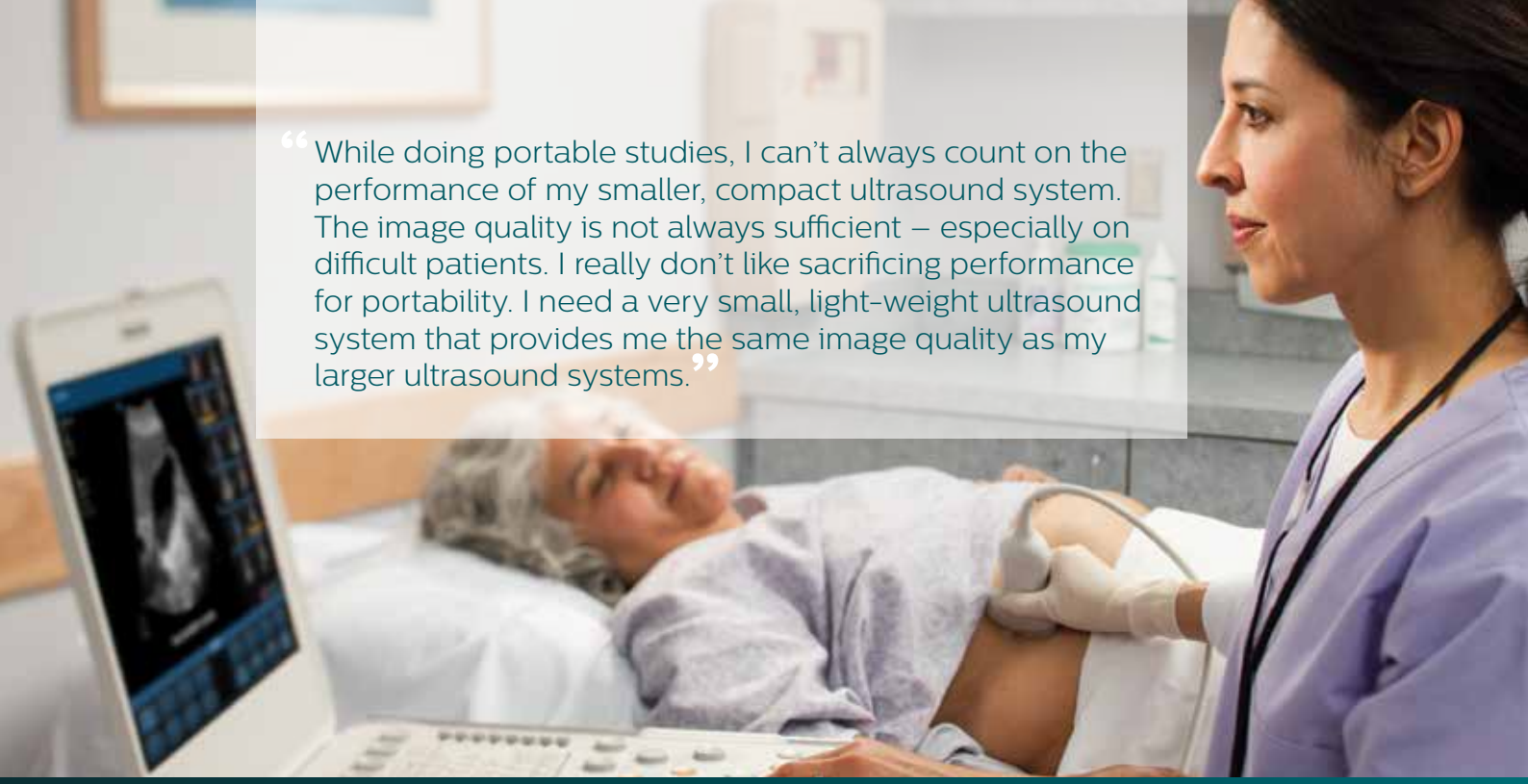


> “While doing portable studies, I can’t always count on the performance of my smaller, compact ultrasound system. The image quality is not always sufficient – especially on difficult patients. I really don’t like sacrificing performance for portability. I need a very small, light-weight ultrasound system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

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.

The CX50 allows up to three transducers to be connected to the system.

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 and operating room suite.

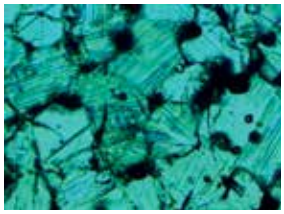
NICU and PICU
The CX50 brings premium performance portable imaging to the NICU and PICU. With three new transducers for neonatal head, neonatal cardiac, pediatric abdominal, and pediatric cardiac imaging applications.

Premium class performance in a compact system

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

PureWave goes portable

The CX50 CompactXtreme ultrasound system features PureWave crystal technology, one of the biggest breakthrough in piezoelectric transducer technology in 40 years. With PureWave crystal technology, 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.



Conventional (x800)

PureWave (x800)

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.

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. Now, even on 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 nine 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, the subtlest of diagnostic features are enhanced, making it even easier to achieve high clinical confidence in portable studies.

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, pediatrics, superficial, obstetrical, gynecological, surgical, and cardiac.

- C5-1 PureWave curved array
- C10-3v PureWave curved array
- C8-5 broadband curved array
- C9-3io broadband curved array
- L12-5/50 broadband linear array
- L10-4lap broadband linear array
- L12-3 broadband linear array
- L15-7io broadband linear array
- S5-1 PureWave sector array
- S8-3 broadband sector array
- S12-4 broadband sector array
- X7-2t PureWave TEE

With three surgery transducers on the CX50, you can bring premium performance into the surgery suite.

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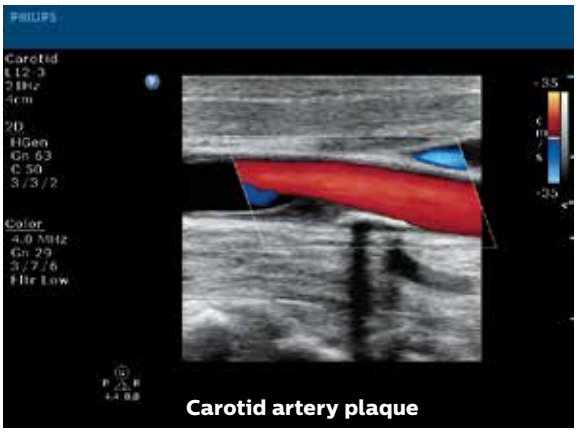
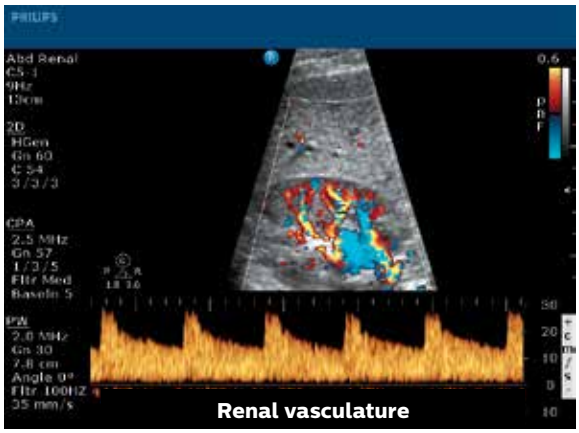
The exquisite detail of this hemangioma and surrounding tissue and structures is the result of PureWave technology on the C5-1 transducer.



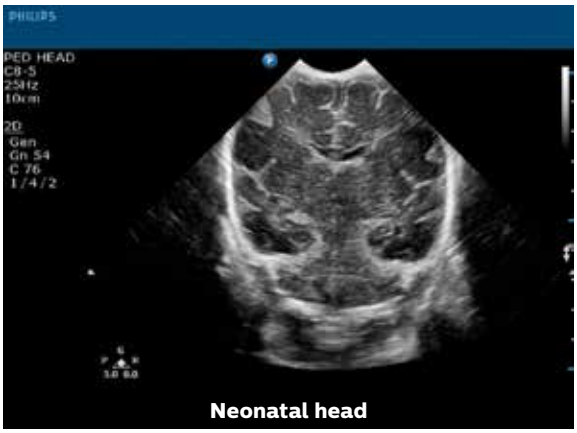
The size and location of plaque and blood flow in the carotid artery are easily appreciated in this image with the L12-3 linear array transducer.

PureWave on the C10-3v transducer provides exceptional image quality of uterine anatomy with clear definition of the midline and walls.

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



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



This coronal view of a neonatal head demonstrates the superb image quality provided by the new C8-5 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. An example: iSCAN automatically samples data for quick optimization of 2D and Doppler performance.

Reduce exam time by up to 50% with SmartExam

SmartExam protocols are easy-to-use, customizable guides that help you perform complete studies. 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 outstanding viewing in the most 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.

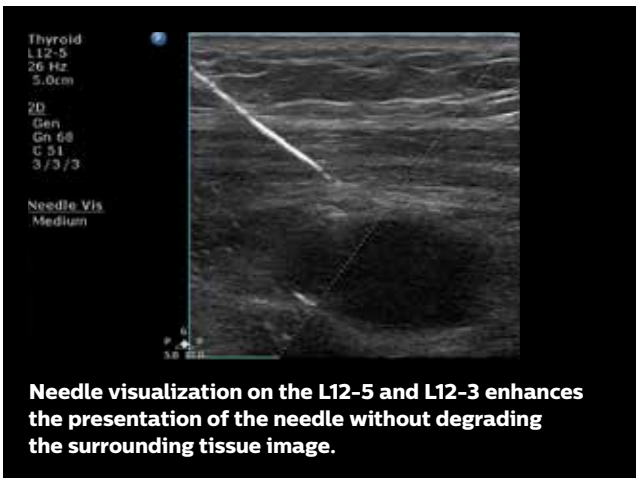
Fine-tune exams with active native data

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 and allowing for shorter exam times.

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
- Cardiac motion quantification with speckle tracking technology – CMQ
- Strain quantification – SQ
- MicroVascular imaging – MVI



Needle visualization on the L12-5 and L12-3 enhances the presentation of the needle without degrading the surrounding tissue image.

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.

Starting with the right strategy

Philips recognizes the importance of securing your ultrasound system and protecting your patient data. The security feature on CX50 is a defense-in-depth strategy that comprises five layers: firewall, operating system hardening, malware protection, access controls, and patient data encryption.

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Count on us

as your patients count on you

The value of a Philips ultrasound system extends far beyond technology. With every CX50 CompactXtreme system, you get access to our award-winning service organization,* competitive financing, and educational tools that help you get the most out of your system.**

Always there, **always on**

We work as one with your team to keep your CX50 system running smoothly.

On-cart transducer test provides a non-phantom method to test CX50 transducers at any time, giving you confidence in your diagnostic information.

Remote desktop enables easy, rapid technical and clinical support through a virtual visit with a Philips expert.

Philips proactive monitoring increases system availability by predicting potential system disruptions and proactively acting on them, letting you focus on what is most important – your patients.

The support request button allows you to enter a request directly from the control panel, for a fast and convenient communication mechanism with Philips experts without leaving your patient, minimizing workflow interruption.

Sharing risk, increasing the return on your investment

Partner with us to maximize utilization and uptime of your CX50 system.

Utilization reports

Data intelligence tools can help you make informed decisions to improve workflow, deliver quality patient care, and decrease the total cost of ownership. This ultrasound utilization tool provides individual transducer usage and the ability to sort by exam type.

Understanding your needs, **designed for you**

Our flexible RightFit Service Agreements, education offerings, and innovative financing solutions can be adapted to meet your needs and strategic priorities.

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.

Innovative financial solutions

Philips Medical Capital delivers flexible financial solutions to place state-of-the-art Philips medical products in healthcare facilities around the world. Our financial experts understand your unique financial needs and provide flexible solutions that optimize asset utilization, reduce costs, and increase financial flexibility.

* Philips is rated number one in overall service performance for ultrasound for 23 consecutive years in the annual IMV ServiceTrak survey in the USA.
** Optional. Not all services available in all geographies; contact your Philips representative for more information. May require service contract.

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