



PHILIPS

Ultrasound

CX50 CompactXtreme

Premium **performance** compact ultrasound

Philips CX50 CompactXtreme ultrasound system

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



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

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



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 vascular applications at the bedside – carotid, venous, peripheral arterial, TCD, and abdominal – and take advantage of premium image quality for your patients.



Surgery and intervention

With the L15-7io transducer, you can bring premium performance to your vascular surgery procedures.



Satellite locations

The CX50 is ideal for satellite offices that are supported on a rotational basis. You can rely on no-compromise premium data for your entire patient population.



Field support

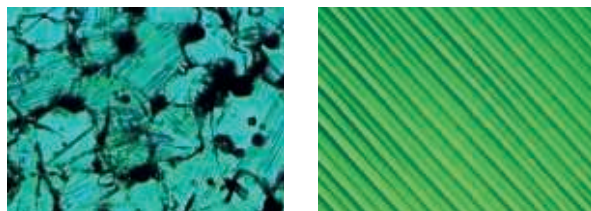
The CX50 travels easily, allowing you to capture clear data at vascular screening events, rural visits, and anywhere else you need premium image quality.

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 quality, giving you the data you need for confident diagnoses.

PureWave goes portable

The CX50 CompactXtreme ultrasound system features PureWave crystal technology, the biggest breakthrough in piezoelectric transducer technology in 40 years. With PureWave crystal technology, clinicians can rely on improved far field resolution and the ability to image a wide variety of patients, including the technically difficult, with one transducer. Since 2004, over a million exams have been performed using PureWave technology, and now it's adding premium quality to portable studies.



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 PureWave transducers. 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, even the subtlest of

diagnostic features are enhanced, enhanced, making it even easier to achieve high clinical confidence in portable studies.

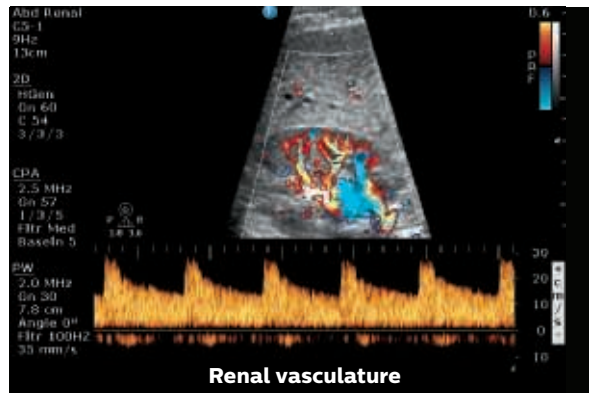
Transducers for a full range of vascular applications

CX50 transducers provide premium performance for a wide range of vascular exams: carotid, peripheral arterial and venous, abdominal, TCD, and surgery. The transducers are designed around your study needs, facilitating exams for both you and your patients.

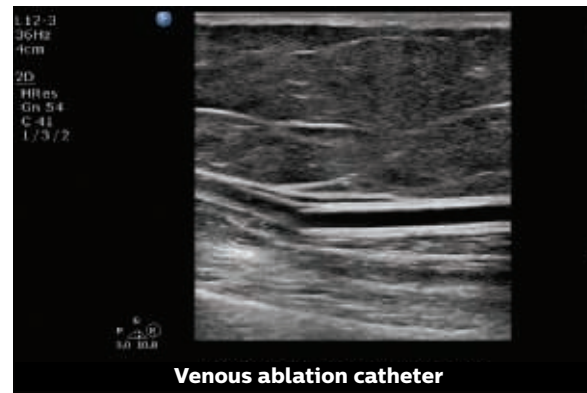


The CX50 supports the L15-7io, C8-5 and C5-1 curved arrays, the L12-3 linear array, and the S5-1 sector array for vascular exams. The D5cwc transducer (not shown) supports static Doppler studies.

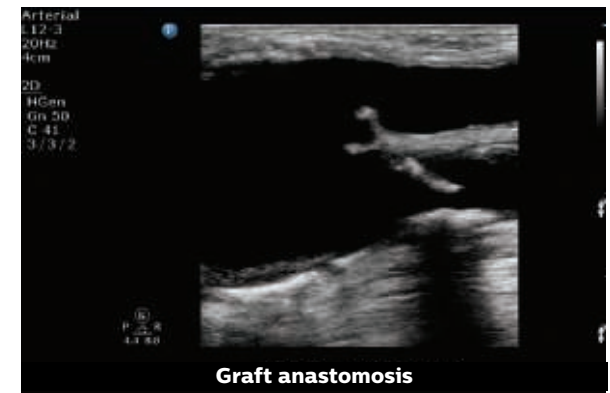
Seeing is **believing**



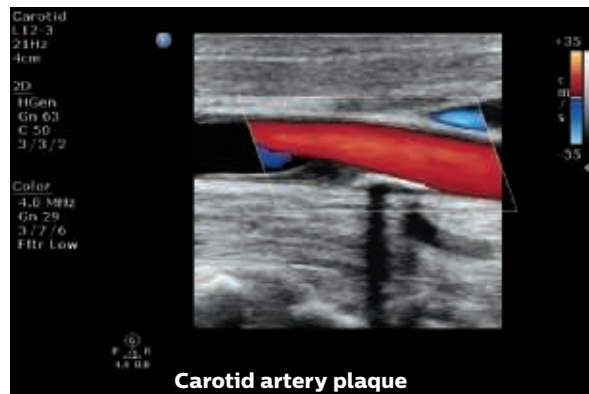
The C5-1 transducer with PureWave technology provides extraordinary sensitivity as seen in this renal vasculature.



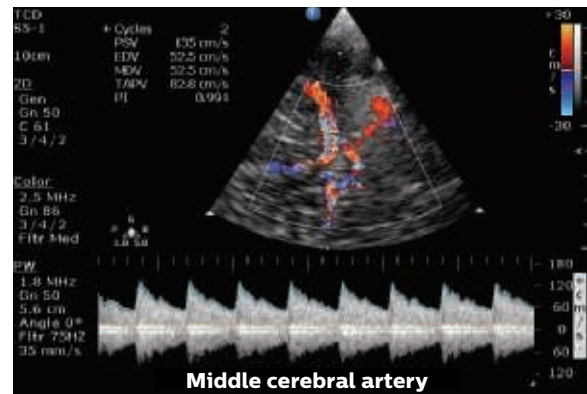
The resolution detail of the ablation catheter and surrounding tissue captured with the L12-3 linear array transducer provide exquisite visualization during this venous ablation procedure.



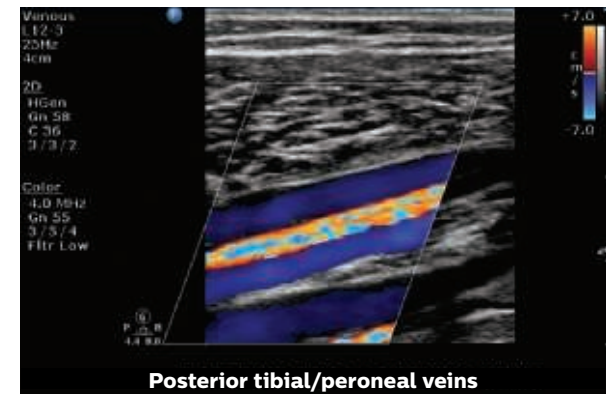
Graft evaluation is easily accomplished with the premium image quality of the CX50 as demonstrated in this L12-3 linear array image.



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



PureWave technology on the S5-1 sector array transducer provides excellent 2D imaging and Doppler performance for TCD studies as shown in this duplex display of the middle cerebral artery.



Superb flow sensitivity and image clarity of the CX50 and L12-3 transducer allow you to fully evaluate peripheral vessels with confidence.

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

Portable exams become easy with simple one-button controls

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. Intelligent Doppler allows you to automatically maintain selected Doppler angles during an examination, and High Q automatic Doppler analysis measures spectral waveforms and calculates indices so you can focus on the clinical examination.



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. 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.

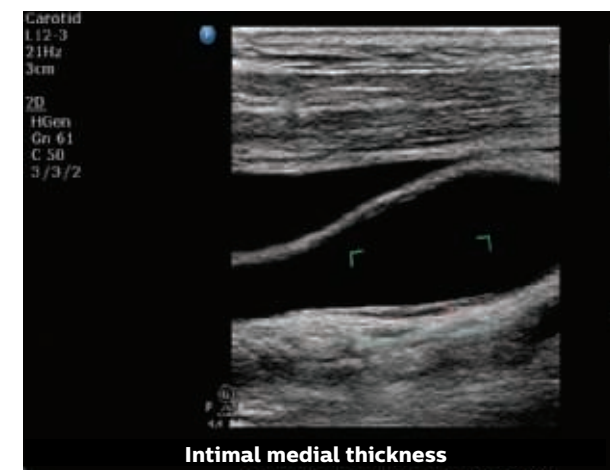
Fine-tune exams with active native data

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.

- Region of interest – ROI
- Intima media thickness evaluation – IMT
- MicroVascular imaging – MVI



QLAB's advanced IMT quantification tool provides quick, accurate, and reproducible results when measuring carotid intimal wall thickness.

Extreme portability

The CX50 offers a wide range of portability options. Take it 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 ICU and bedside.



Hand carry

For situations that call for the ultimate in portability, the CX50 is a fully functional laptop-sized ultrasound system with an integrated 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. Now clinical staff can support satellite offices, screening events, and mobile services with premium imaging.

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.



Count on us as your patients count on you

The value of a Philips ultrasound system extends far beyond technology. With every CX50 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.

