A close-up photograph of a male doctor in a white lab coat over a light blue checkered shirt. He is looking intently at a patient whose back is to the camera. The patient is wearing an orange garment. The background is a blurred clinical setting.

PHILIPS

Ultrasound

Affiniti

It understands your everyday

Philips Affiniti ultrasound system for vascular

Excellence in vascular performance

With its full range of vascular applications, you'll find that Philips Affiniti ultrasound quickly becomes an essential part of your day. Affiniti provides excellence in the full range of vascular imaging across patient types, including the technically difficult patient.

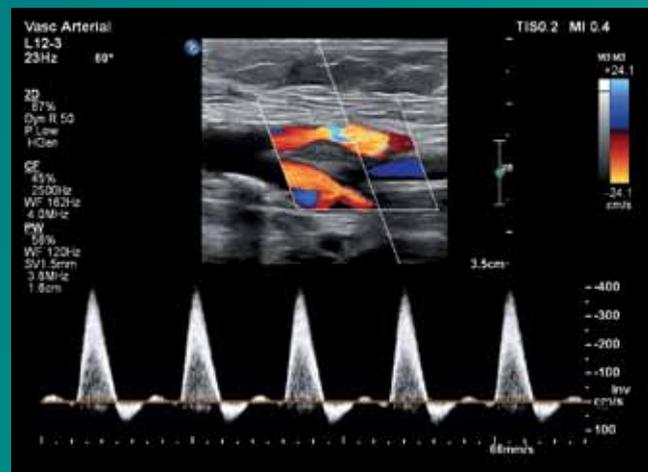
Designed to set you ahead and help you stay ahead, Affiniti addresses the everyday need to scan quickly and deliver results efficiently, while delivering innovations that respond to the needs of a busy vascular ultrasound department.



Panoramic imaging of a superficial vein



Carotid bulb stenosis



Femoral artery stenosis

Workflow meets **WOW**

Affiniti delivers exceptional image quality quickly, with little or no additional image optimization required. It has all the capabilities needed for day-to-day vascular scanning, plus advanced features and automation to enhance exam efficiency and simplify workflow.



With image replication and TGCs on its tablet touchscreen, Affiniti was designed to reduce reach and button pushes.



Save time with automation tools

Affiniti reduces repetitive button pushes and steps so you can focus on what really matters.

Real-time iSCAN (AutoSCAN) automatically and continuously optimizes gain and TGC to provide excellent images in 2D, 3D, and 4D modes.

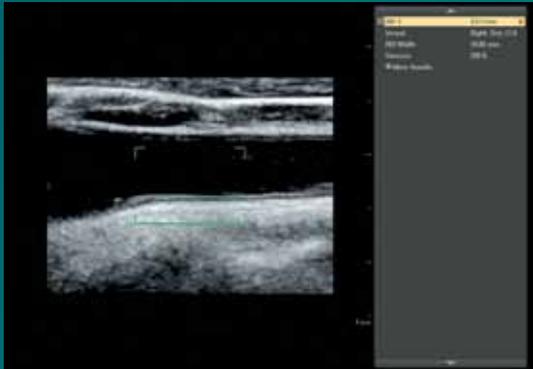
Auto Doppler for vascular imaging features color-box positioning and sample volume placement in just three steps, with an average of 67.9% fewer button pushes.

SmartExam protocols

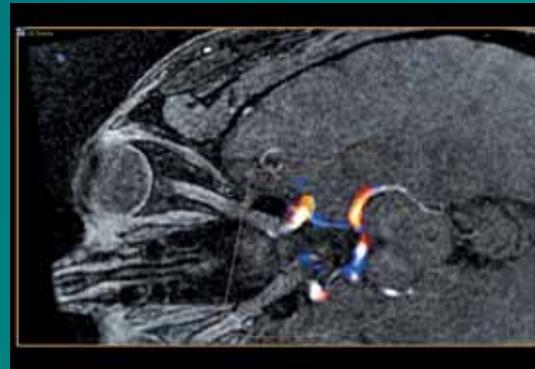
System-guided SmartExam protocols facilitate exams, with an onscreen menu that guides you through required views by exam type, automatically enters annotation, and builds your report. These protocols have been clinically proven to reduce exam time by up to 50% by reducing keystrokes and alerting the user to any missed views.¹

¹University of Colorado, protocols study, April 2007.

Enhance **confidence**



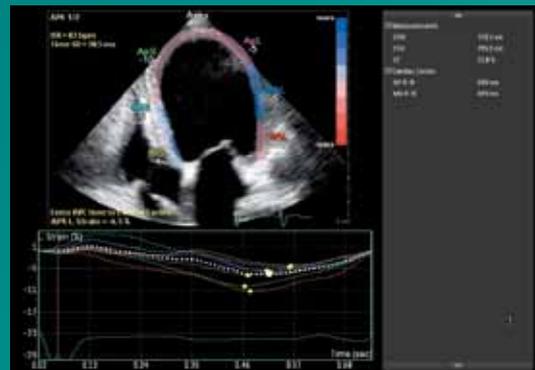
Automatic carotid intima media thickness measurement for fast and easy access to IMT data.



Transcranial image fusion combines multi-modality images with live ultrasound.



VPQ allows advanced analysis of plaque volume and morphology.



aCMQ^{A.I.} provides both EF and GLS from the same 2D images.

Advanced clinical functionality

Outstanding vascular performance combines with advanced clinical functionality, including CEUS, TCD fusion, and Anatomical Intelligence Ultrasound (AIUS).

Contrast-enhanced ultrasound (CEUS)

CEUS provides for immediate optimization of contrast-enhanced studies and exceptional performance across multiple agents and applications.

Transcranial image fusion

New transcranial image fusion supports more confident answers in applications such as stroke therapy while potentially reducing dependence on repeat CT or MR scans in routine follow-up cases.

Quantify image information

Q-Apps quantify ultrasound image information to help you turn images into answers.

Vascular Q-Apps

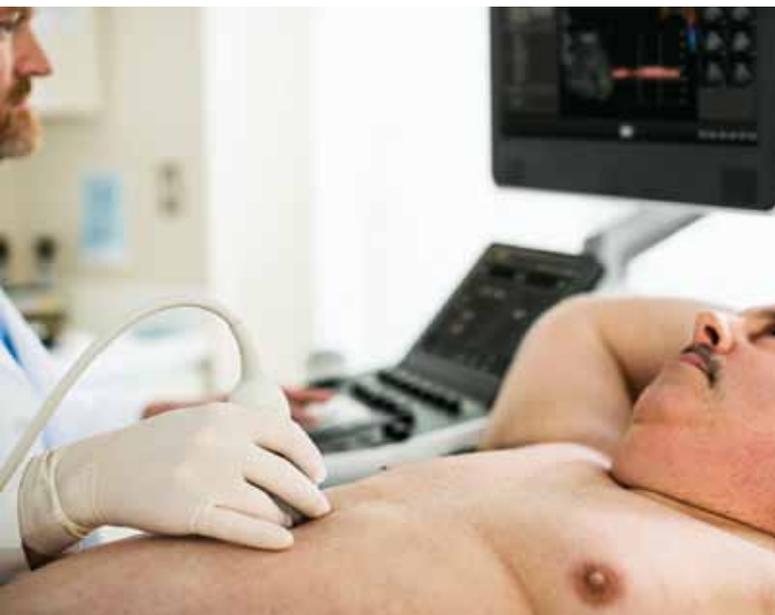
- Intima Media Thickness (IMT)
- Region of interest (ROI)
- MicroVascular Imaging (MVI)
- Vascular Plaque Quantification (VPQ)

Cardiology Q-Apps

- Intima Media Thickness (IMT)
- Region of interest (ROI)
- Strain Quantification (SQ)
- Automated 2D Cardiac Quantification^{A.I.} (a2DQ^{A.I.})
- Automated Cardiac Motion Quantification^{A.I.} (aCMQ^{A.I.})

Full range of transducers support virtually any vascular application

Transducer	Applications
L12-3	Carotid, lower extremity and upper extremity
C5-1	Abdominal vascular
S5-1	Cardiology and transcranial Doppler
L15-7io	Surgical and superficial vascular
C8-5	Cerebrovascular
D2tcd	Transcranial Doppler



PureWave imaging increases penetration

PureWave transducers are designed to increase penetration in technically difficult patients so that one transducer can facilitate diagnostic confidence for difficult-to-image patients as well as those who are easy.

Precision beamforming

The power of PureWave is strengthened by the precision beamforming of Affiniti, which features a wide dynamic range to deliver superb spatial and contrast resolution, outstanding tissue uniformity, fewer artifacts, and reduced image clutter.

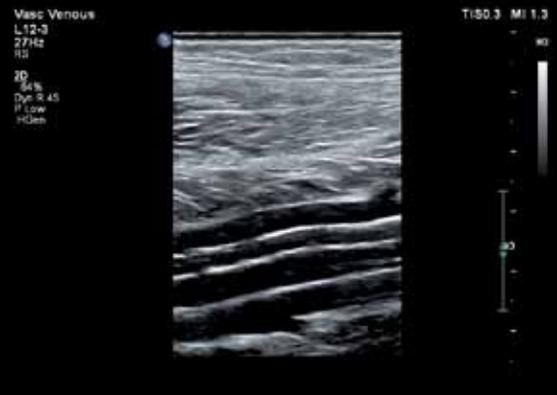
Tissue Specific Presets

Tissue Specific Presets (TSP) automatically adjust over 7,500 parameters to optimize the transducer for the specific exam type, producing excellent image quality with little or no need for image adjustment.

Performance



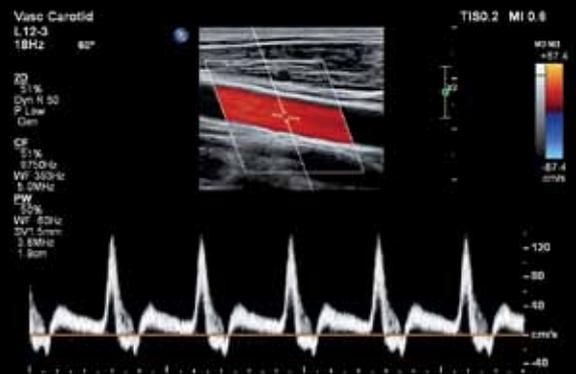
ICA stenosis



Deep calf vein



Venous flow common femoral vein



Common carotid artery

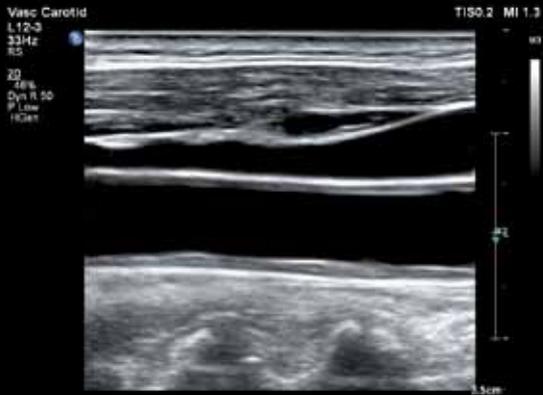


ICA stenosis

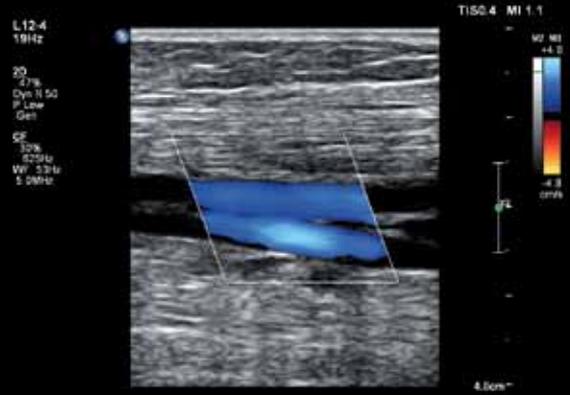


Aorta

you can see



CCA intima media thickening



Calf vein color flow



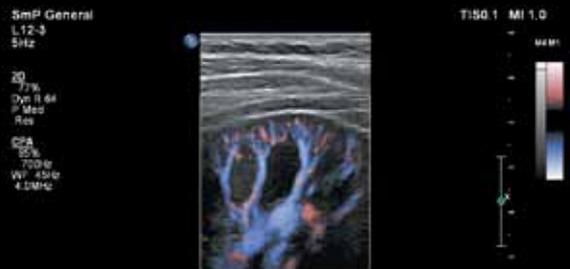
Celiac axis arterial flow



Arterial stent stenosis



Calf veins



Renal vasculature

Comfort meets competence

Designed around your everyday workflow, Affiniti offers walk-up usability, favorable ergonomics, and convenient mobility. We understand the reality of tight spaces, high patient volume, technically difficult patients, and time constraints, and we've designed Affiniti with thoughtful details to help lighten your workload.

Walk-up usability

The intuitive, intelligently designed user interface and system architecture have been validated by studies that show that users with ultrasound experience require minimal training on use of the system to be able to complete an exam.¹ To enhance exam efficiency, Affiniti is designed with relevant, easy-to-learn controls placed right at your fingertips, streamlining workflow. Because 80% of ultrasound clinicians experience work-related pain, and more than 20% suffer a career-ending injury,² we've designed our tablet-like touchscreen interface to reduce reach and button pushes.

Ready when you need it

At just 83.5 kg (184 lb), Affiniti is one of the lightest systems in its class and is 16% lighter than its predecessor.* With its small footprint and fold-down monitor, maneuvering the system down hallways and into tight spaces is easy. When an exam is finished, a full suite of DICOM and PC format capabilities make it simple to share information. Structured reporting facilitates patient workflow by giving you the ability to transfer measurements, images and reports over a network, and wireless capability and easy connection to printers helps you document exams.

54.6 cm (21.5 in) monitor articulates for easy viewing and folds down for transport

Goes to sleep in two seconds; back to full functionality in just seconds

Elegant control panel, simplified for ease of use

Four transducer ports and one-handed transducer access

Tablet-like touchscreen

Service Request button for immediate access to Philips support



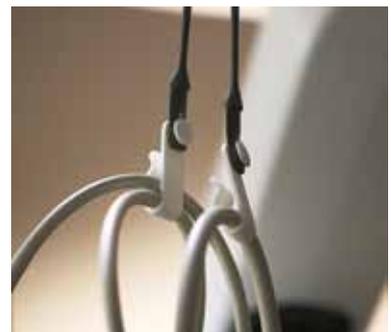
¹ 2014 internal workflow study comparing Affiniti to HD15.

² Society of Diagnostic Medical Sonography, Industry Standards for the Prevention of Musculoskeletal Disorders in Sonography, May 2003.

*HD15

Supports the way you work

Affiniti is designed for comfort during a full day of scanning. The control panel with 180° of movement and generously sized 54.6 cm (21.5 in) articulating monitor enhance scanning comfort whether standing or sitting. The touchscreen is one of the largest in its class, so you can easily make selections and control scanning while focusing on your patients.



You won't notice it's there unless it's gone, but users have reported that easy clip, our innovative cable management solution, keeps cables tangle-free and reduces damage while decreasing cable strain to enhance comfort while scanning.

Library quiet

Silent as a library, with a smaller footprint than conventional ultrasound models, Affiniti will not distract you from the care you want to provide.

Set-up Wizard

Set-up Wizard allows you to step up to the system, easily establish user configurations, and get running quickly.

The gold standard for security

Affiniti offers a defense-in-depth strategy, implementing a suite of security features designed to help clinical IT professionals and healthcare facilities provide additional patient data privacy and virus protection, as well as protection from unauthorized access via the ultrasound systems on hospital networks.

Affiniti consumes nearly

40%
less power

than its predecessor.*
It consumes less energy than a toaster, which can help you save on energy and cooling costs.



*HD15

A **smart** investment

Built to withstand the rigors of daily use, Affiniti offers low operating costs and is backed by Philips support and value-added services. With a low total cost of ownership, Affiniti is a wise investment.

Enhance uptime

The modular design of Affiniti offers enhanced reliability and allows for rapid repair. Philips remote services* monitoring helps correct issues using a standard Internet connection, reducing the need for on-site service calls.

Responsive relationships

The value of a Philips ultrasound system extends far beyond technology. Every Affiniti system comes with access to our award-winning service organization, competitive financing, and educational programs to help you get the most out of your system.



Affiniti features a superb modular design for rapid repair.



* Not all services available in all geographies; contact your Philips representative for more information. May require service contract.

Doing **more** for you

Smart service options are designed to reduce disruption to your everyday workflow. Remote services mean we're closer than ever*. We also offer technology to keep your data secure, and education and utilization reports for productive decision-making every step of the way.

Remote services mean we're closer than ever*

Remote desktop

Spend less time on the phone with a Philips "Virtual Visit" with remote system interaction for fast technical and clinical troubleshooting and guided scanning options.

iSSL technology

This industry-standard protocol meets global privacy standards and provides a safe and secure connection to the Philips remote services network using your existing Internet access point.

Online support request

Enter a support request directly from your Affiniti system for a fast, convenient communication mechanism that reduces workflow interruption and keeps you at the system and focused on your patient.

Utilization reports

Data intelligence tools that 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.

Proactive monitoring

Proactive monitoring allows for the detection and repair of anomalies before they become problems and helps us to better predict potential failures and proactively act on them. Increase system availability, optimize workflow, and promote patient satisfaction by scheduling downtime as opposed to reacting to an unexpected problem.

* Not all services available in all geographies; contact your Philips representative for more information. May require service contract.





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