
PHILIPS
Ultrasound
Affiniti 30
It understands
your everyday
Affiniti 30 ultrasound system

You need to go above
and beyond for your patients
in less time, with fewer resources
and a high patient volume.

Designed for balance

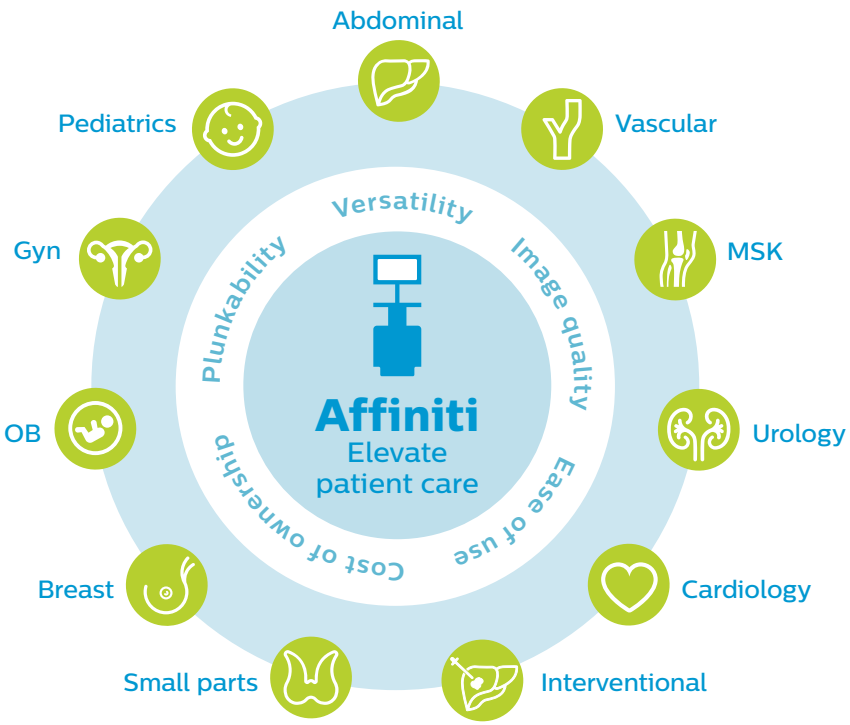
With image replication and time gain compensations (TGCs) on its tablet touchscreen, Affiniti 30 was designed to reduce reach and button pushes.

Designed to set you apart and help you stay ahead, the Philips Affiniti 30 ultrasound system delivers innovation that responds to the needs of a busy ultrasound practice.

To balance these many demands, you need diagnostic information quickly – but not at the expense of accuracy. You need advanced functionality – but not at the expense of ease of use. You need a system that is ergonomic – but built to last for the daily rigors of high patient volume.

A universal
ultrasound platform

Advanced capabilities and a flexible configuration mean that the Affiniti 30 is ideal for a wide range of exam types, providing exceptional image quality across all clinical segments for a confident diagnosis.



Engineered for efficiency and reliability and powered by Philips superb performance, Affiniti 30 gets you the diagnostic images you need, quickly. Its intuitive design and walk-up usability help you provide elegant, efficient care – every day.

Affiniti 30 was designed to work hard, without high costs. Total cost of ownership is kept low through energy-efficient technology, extensive reliability testing that enhances uptime, and a modular design that enables rapid repair, if needed.

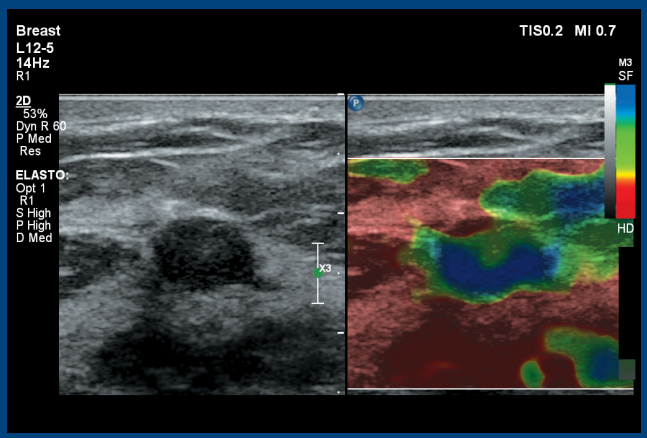
Workflow meets WOW

Affiniti 30 addresses the everyday need to scan quickly and deliver results efficiently, while incorporating those innovations that make Philips ultrasound the choice of those who demand quality images and proven clinical applications.

Affiniti 30 precision beamforming features a wide dynamic range to deliver superb spatial and contrast resolution, outstanding tissue uniformity, fewer artifacts and reduced image clutter.

TSPs 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.

Affiniti 30 provides superb image details and incorporates Philips innovative solutions including strain elastography and 3D/4D imaging.



Breast strain elastography.

The combination of precision beamforming, TSPs and other efficiency and automation tools delivers both performance and workflow advances for confident throughput.

Expand the realm of possibilities in pediatric imaging.

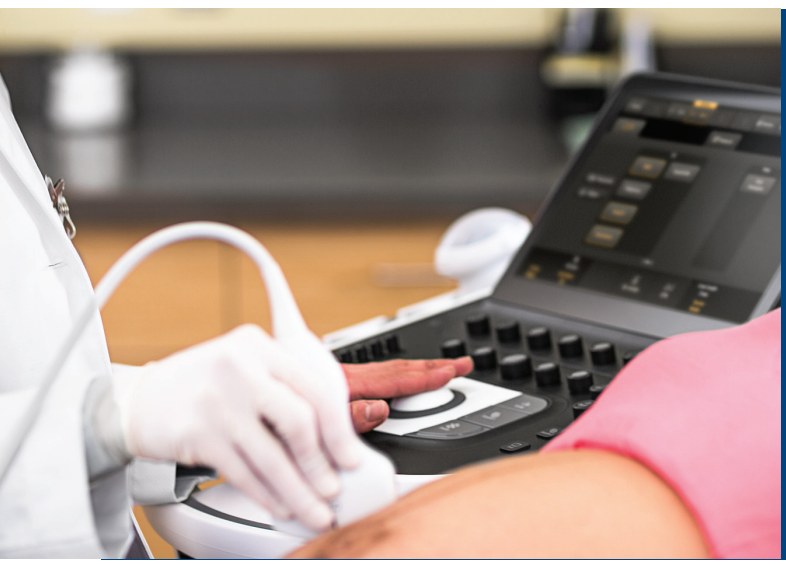
A full array of transducers offers you excellent image quality on a variety of exam types.

Quality pediatric imaging
When scanning active children it can be a tremendous challenge to obtain the high-quality ultrasound images necessary to render quick and confident diagnoses. Affiniti 30 provides dedicated pediatric transducers (C8-5 and S8-3), which, along with AutoSCAN, offer consistent and uniform B-mode imaging with great spatial and contrast resolution at frame rates ideally suited for real-time examinations from neonates to adolescents.

Dynamic organ and tumor assessment in real time
With Affiniti 30, you can easily add contrast-enhanced ultrasound (CEUS) to nearly any exam. Affiniti 30 provides immediate optimization of CEUS studies and exceptional performance across multiple agents and applications, which allows for dynamic assessment of organ and tumor perfusion in real time.

Q-App quantification applications*
Affiniti 30 offers a variety of sophisticated Q-Apps to quantify ultrasound image information, including Intima Media Thickness (IMT) for general imaging and cardiology, and General Imaging 3D Quantification (QLAB GI 3DQ).

Strain elastography to enhance diagnostic confidence
Elastography is used to assess relative tissue stiffness and adds more information about the extent and margins of suspicious lesions. Elastography on Affiniti 30 for small parts, breast and gynecology ultrasound exams provides highly sensitive and specific information that can be used to visualize, record and report on tissue stiffness parameters. No additional compression required means increased exam consistency and reproducibility.



Automation tools save time

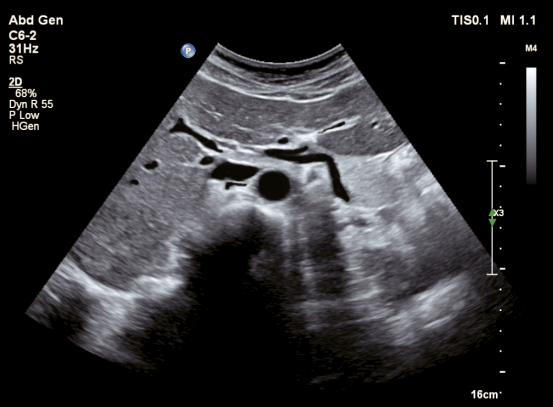
Affiniti 30 is equipped with automation features that reduce repetitive button pushes and steps, leading to enhanced workflow.

SmartExam protocols
System-guided SmartExam protocols facilitate exams with an onscreen menu guiding you through required views and modes while automatically entering annotations and prompting for measurements. SmartExam protocols help you build a report quickly, alert you to missed views and reduce overall keystrokes and exam time.

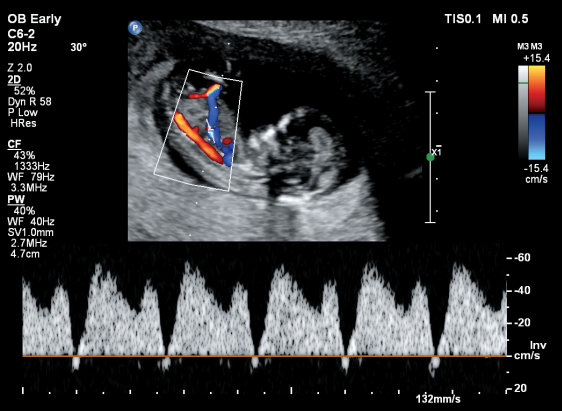
Auto Doppler takes ten steps to three steps providing fewer button pushes and shorter exam times.

* Quantification tools on Affiniti 30 are off-cart only. Not available on-cart.

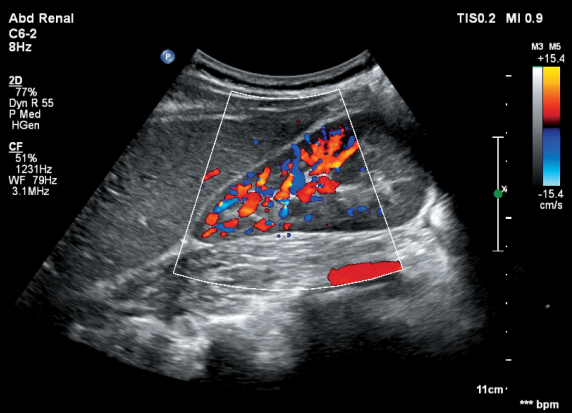
Performance you can see



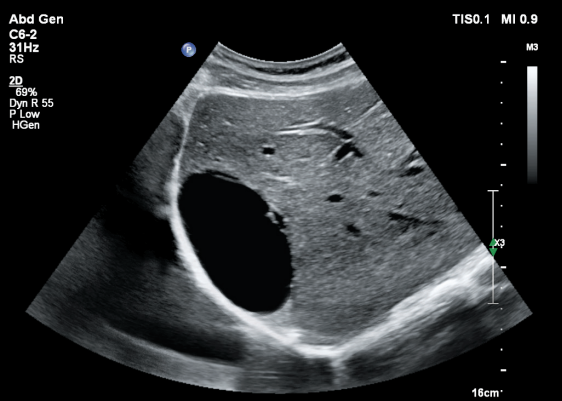
Liver



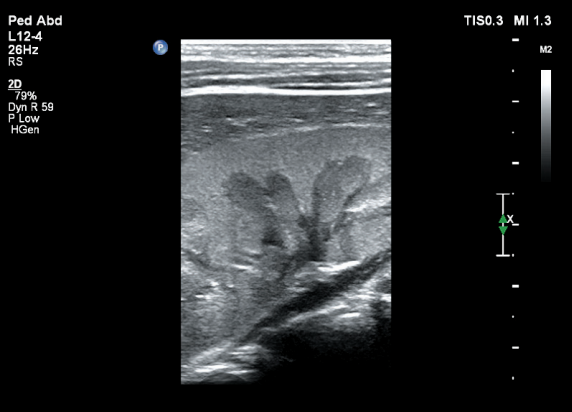
Fetal Doppler



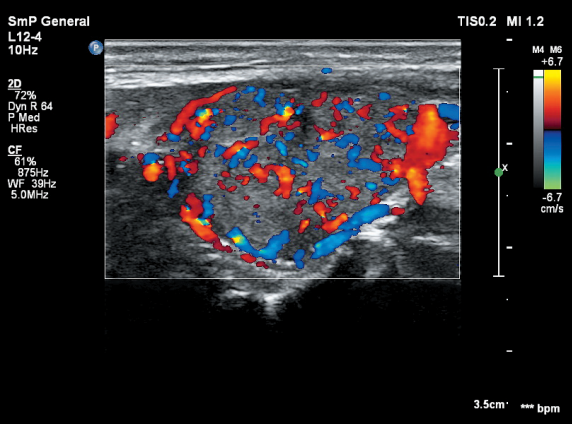
Renal vasculature



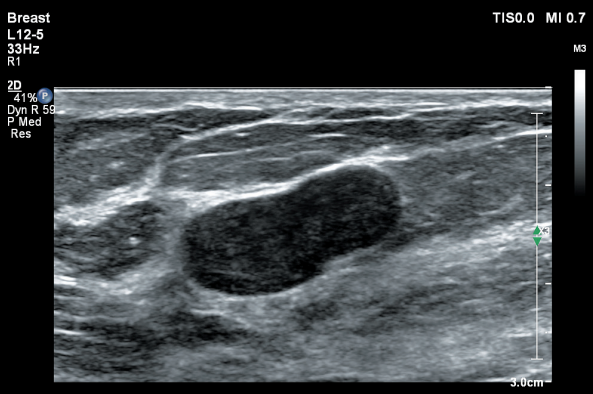
Liver cyst



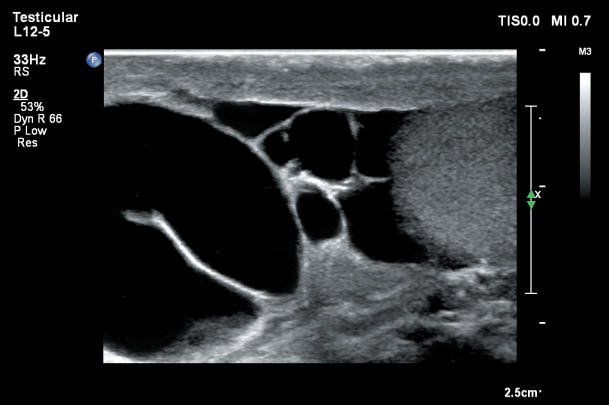
Pediatric kidney



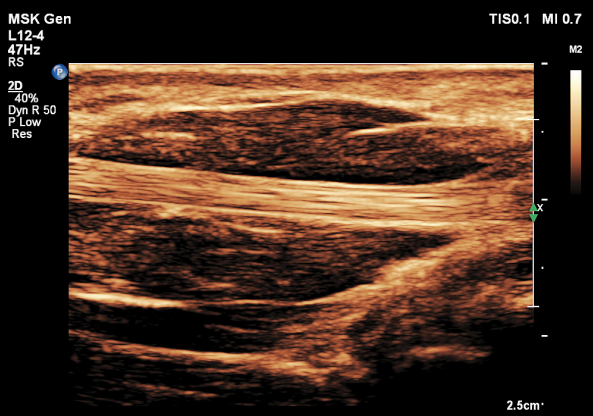
Thyroid color Doppler



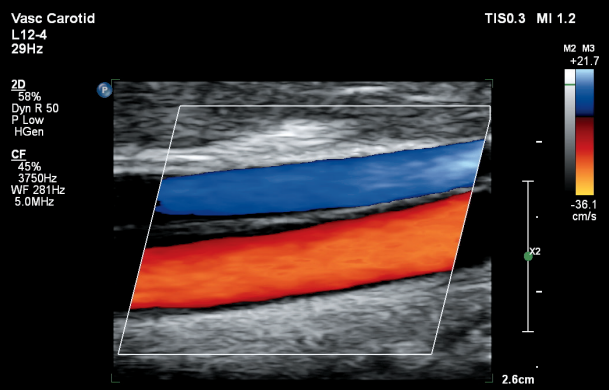
Breast fibroadenoma



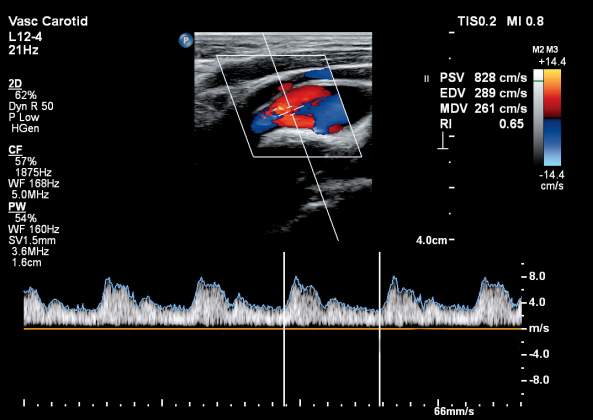
Testis



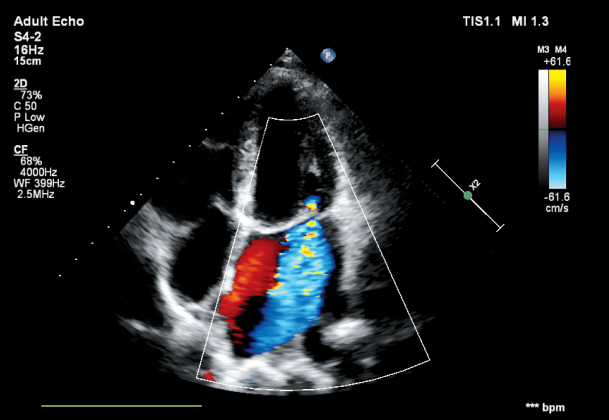
Thenar tendon



Common carotid artery and jugular vein



Carotid bifurcation



Apical four chamber

Advances in Ob/Gyn imaging

Advanced 3D visualization tools – TrueVue and GlassVue

Photorealistic 3D fetal imaging at your fingertips

TrueVue offers a powerful 3D visualization tool that produces highly realistic imaging of fetal and gynecological anatomy. TrueVue features an innovative internal light source that provides illumination at any location within the 3D volume for exceptional visualization of anatomy. The internal light source allows the freedom to adjust the amount of light and shadow displayed on anatomical structures to reveal subtle detail not obtainable with conventional 3D rendering.

In addition, the GlassVue feature provides an early, more transparent view of the fetal anatomy than traditional ultrasound. The advanced 3D imaging tool goes beyond the surface to reveal bone, organs and other internal structures. Users have control over the amount of transparency in the 3D volume.

aReveal[A.I.] automatic 3D segmentation

aReveal[A.I.] uses an anatomical intelligent algorithm, Anatomical Intelligence Ultrasound (AIUS),* that enhances 3D workflow and reduces the time and complexity of obtaining fetal face images. With a simple button push, aReveal[A.I.] automatically sculpts away 3D data proximal to the fetal face by recognizing the geometry of the fetal skull, revealing the fetal face surface.

aBiometry Assist[A.I.]

Streamlines fetal measurement and reporting workflow

Virtually every obstetrical ultrasound examination includes standardized measurements of fetal structures to assess age and growth trends. aBiometry Assist[A.I.] uses anatomical intelligence of fetal anatomy to automatically preplace measurement cursors on selected structures, which users can quickly accept or edit. This helps reduce conventional measurement steps and streamlines obstetrical report generation. aBiometry Assist[A.I.] allows selection of auto measure function for BPD, HC, AC and FL fetal structures.

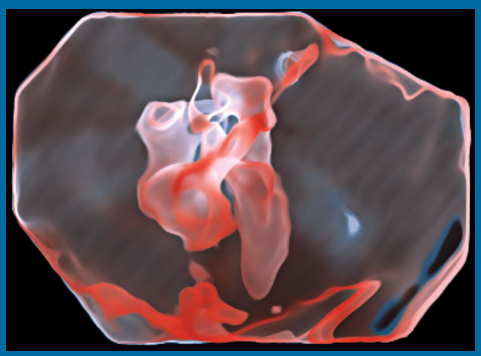
* AIUS turns data into information. AIUS looks at a patient's ultrasound data and applies adaptive system intelligence using 3D anatomical models to create easier and more reproducible results.

With **TrueVue**, a moveable light source illuminates 3D volumes internally or externally.

Different examples of light source position and depth

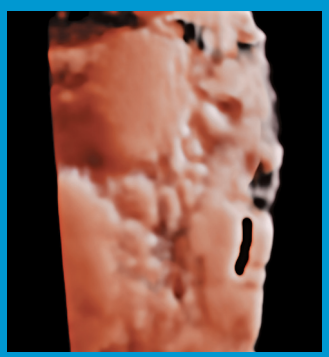
The **GlassVue** feature provides an early, more transparent view of the fetal anatomy than traditional ultrasound.

11 weeks of gestation



Fetal heart at 29 weeks of gestation

aReveal[A.I.] is an advanced feature of Philips AIUS that removes extraneous information to quickly and easily reveal the fetal face.



Before aReveal[A.I.]

After aReveal[A.I.] **applied**

A complete affordable cardiology solution

Affiniti 30 offers a range of capabilities to enhance your cardiac imaging.

- Adult echocardiography, including TEE
- Pediatric echocardiography
- Stress echocardiography
- Vascular imaging
- Quantification tools*

Stress echocardiography offers acquisition of echocardiography single image or loops of the left ventricle in any imaging mode including 2D, color and spectral Doppler, and allows for user-defined protocols based on pre-loaded stress protocols.

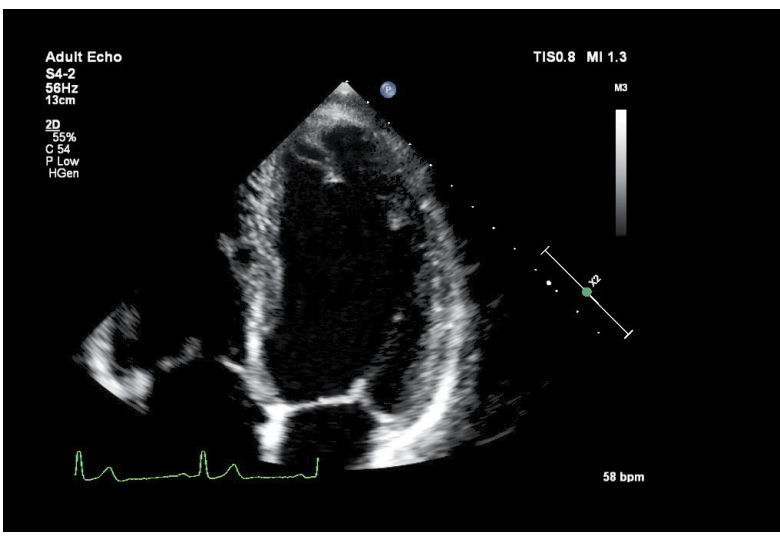
Tissue Doppler Imaging (TDI) is available on all cardiac transducers for high frame rate acquisition of tissue motion.

Strain elastography enhances diagnostic confidence for ultrasound exams and provides highly sensitive and specific information that can be used to visualize, record and report on tissue stiffness parameters.

The X7-2t xMATRIX TEE transducer is a transesophageal PureWave transducer for advanced cardiac imaging.

Advanced analysis and presentation* through Q-Apps allow advanced analysis and image presentations for volume imaging. iSlice supports the viewing of volume data sets in a tomographic view for better clinical understanding.

Excellent image quality with the S4-2 transducer.



* Quantification tools on Affiniti 30 are off-cart only. Not available on-cart.

Enhance the experience

User-centric design and library-quiet operation enhance the scanning experience.

Easy to manuever, Affiniti 30 fits into small spaces with ease.

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 system use to be able to complete an exam.[1]

Reduced reach and button pushes

To enhance exam efficiency, Affiniti 30 places relevant, easy-to-learn controls right at your fingertips, streamlining workflow. Affiniti 30 is designed to make a full day of scanning comfortable. Because 80% of ultrasound clinicians experience work-related pain, and more than 20% suffer a career-ending injury,[2] we've designed our intuitive, tablet-like touchscreen interface to reduce reach and button pushes.

The touchscreen is one of the largest in its class, so users can easily make selections and control scanning while focusing on their patients.

The control panel and generously sized 54.6 cm (21.5 in) monitor add to the system's ergonomics, enhancing scanning comfort whether standing or sitting. At just 83.5 kg (184 lb), Affiniti 30 is one of the lightest in its class and is 16% lighter than its predecessor.* With a small footprint, the system can be easily moved, and fits into small spaces.

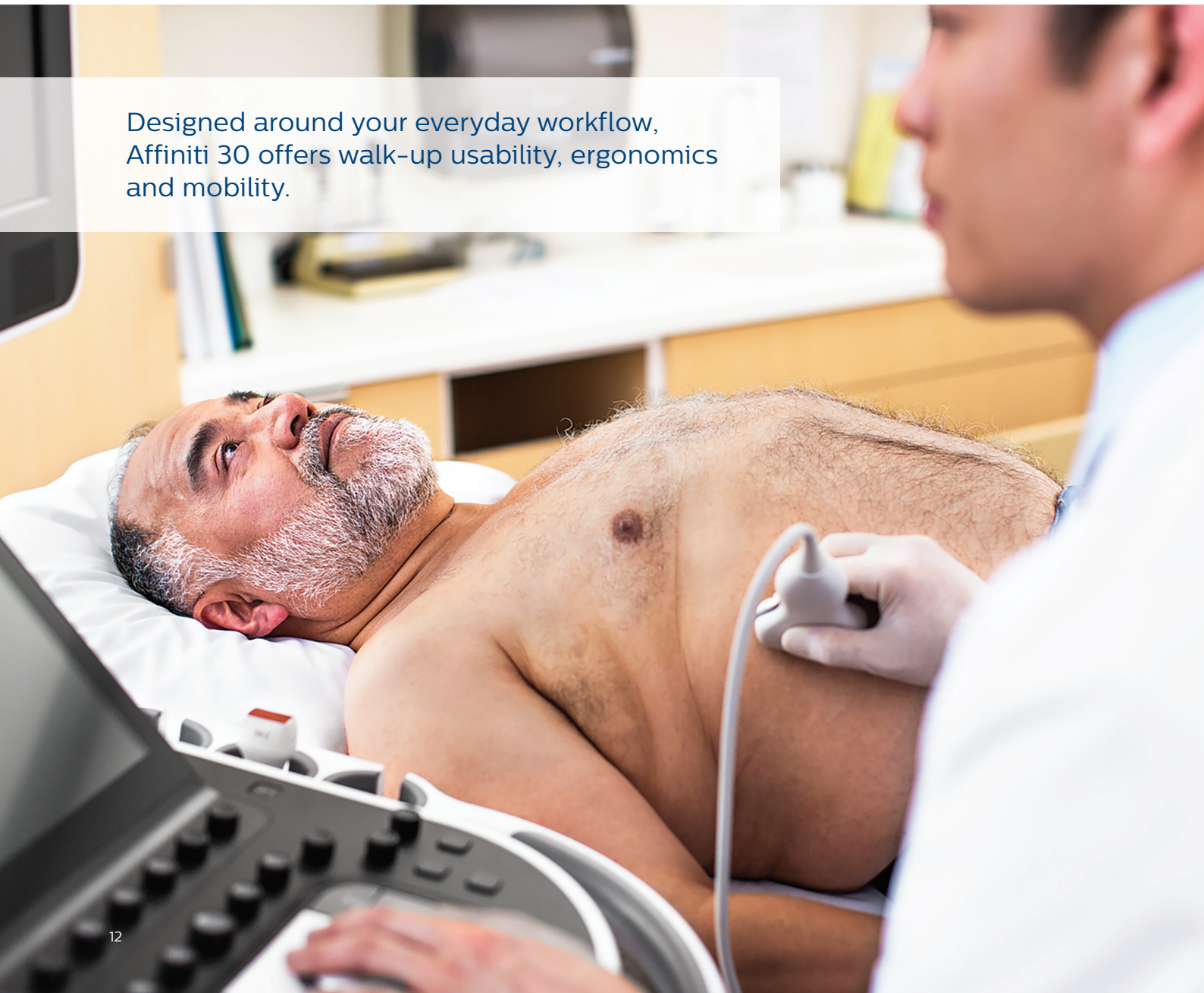
Results are easy to share

When an exam is finished, a full suite of DICOM capabilities makes it easy to share information. Structured reporting facilitates patient workflow and information by giving you the ability to transfer measurements, images and reports over network share, and wireless capability plus easy connection to printers help you document exams.

* HD15

Comfort meets competence

We understand the reality of tight spaces, high patient volume, technically difficult patients and time constraints, and we've designed Affiniti 30 with thoughtful details to help lighten your workload.



Designed around your everyday workflow, Affiniti 30 offers walk-up usability, ergonomics and mobility.

MaxVue
high-definition display

With a touch of a button, MaxVue brings full high-definition display quality to ultrasound imaging. Now you can experience extraordinary visualization of anatomy with 1,179,648 more image pixels when compared to the standard 4:3 display format mode. MaxVue enhances ultrasound viewing during interventional procedures and provides 38% more viewing area to optimize the display of dual, side/side, biplane, and scrolling imaging modes.

Over one million more pixels per image

38% larger viewing area

Standard format 4:3

1024 X 768 pixels

MaxVue

Full high-definition format 16:9

1920 X 1080 pixels

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.

Affiniti 30 consumes nearly

40% less power

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

* HD15

A smart investment

Built to withstand the rigors of daily use, Affiniti 30 offers low operating costs and is backed by Philips support and value-added services. The Affiniti 30 system boasts a low total cost of ownership, making it a smart investment.

Enhance uptime

- Modular design for enhanced reliability and rapid repair
- Philips remote services* monitoring, which corrects issues using a standard Internet connection, reducing the need for service calls
- Access to our award-winning service organization

Responsive relationships

The value of a Philips ultrasound system extends far beyond technology. With every Affiniti 30 system, you get access to our award-winning service organization, our competitive financing, and educational programs that help you get the most out of your system.

Affiniti 30 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.

Exceptional serviceability
The system features a superb modular design for rapid repair.

Support request button for immediate access to Philips support.

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

Count on us
as your patients count on you

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Always there, always on

We work as one with your team to keep your Affiniti 30 system running smoothly.

Remote service capabilities maximize efficiency
Easy, rapid technical and clinical support through remote desktop enables a virtual visit with a Philips expert.

Remote software distribution boosts performance over the entire system lifecycle
Remote software distribution provides a simple, convenient, and safe process to seamlessly receive updates at a time that suits, you keeping your system at peak performance now and in the future.

Proactive monitoring solutions maximize uptime
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.

Immediate support request at your fingertips
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.

On-cart transducer test provides confidence in your transducer quality
On-cart transducer test provides a non-phantom method to test the Affiniti 30 transducers at any time, giving you confidence in your diagnostic information.

Sharing risk, increasing the return on your investment

Partner with us to maximize utilization and uptime of your Affiniti 30 system.

Utilization reports for confident decision-making
Data intelligence tools can help you make informed decisions to improve workflow, deliver quality patient care, and decrease the total cost of ownership. The on-board utilization tool provides individual transducer usage data 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.

- **Technology Maximizer Program:** helps keep your system performing at its peak by continuously providing the latest software from Philips at a fraction of the cost of the same upgrades purchased individually over time.
- **Xtend Coverage:** lets you choose additional service coverage for your ultrasound equipment at the time of purchase to more easily calculate your total cost of ownership.
- **Clinical education solutions:** comprehensive, clinically relevant courses, programs and learning paths designed to help you improve operational efficiency and enhance patient care.

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.

* Philips is rated number one in overall service performance for ultrasound for 26 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.

[1] Philips internal workflow study comparing Affiniti to HD15. 2014.
[2] Industry Standards for the Prevention of Musculoskeletal Disorders in Sonography. Society of Diagnostic Medical Sonography. May 2003.

www.philips.com/affiniti

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