

PHILIPS

Echocardiography

Ultrasound Workspace

**Experience a new world of
echocardiography workflow**

Ultrasound Workspace

More flexibility, with flexibility for more

Streamline echocardiography workflow across your organization with Philips Ultrasound Workspace.

Ultrasound Workspace is a holistic, scalable, cardiovascular viewing, analysis and reporting system which is built on the legacy of the TOMTEC-ARENA platform. It allows for greater efficiency by giving care teams the flexibility to adopt different workflows based on their current needs.

How? By enabling the same diagnostic capabilities on- and off-cart. Analyzing vendor-agnostic data. Leveraging artificial intelligence for speed and confidence. Offering an uncommonly agile technology platform and licensing model. And delivering tailored comprehensive support.

Experience the flexibility of Philips Ultrasound Workspace — and experience a new world of echocardiography workflow.

Ultrasound Workspace delivers on what matters to help streamline echocardiography workflow across your enterprise.



Consistency

Facilitating consistent on- and off-cart analysis



Vendor agnostic

Driving standardization through vendor agnostic analysis



Diagnostic confidence

Providing high levels of AI-powered automation to increase reproducibility and enhance diagnostic confidence



Scalability

Providing a scalable platform to grow with your needs today and tomorrow, from single-client to large enterprise integrations



Centrally hosted

Empowering care teams to access centrally hosted data and tools from any location at any time



Seamless workflow

Integrating with existing IT systems to streamline workflow and to avoid data silos



Diagnostic confidence

Lower variability. Higher reproducibility.

Standardize high quality care across your entire organization, including satellite locations, with AI-driven, automated measurements and vendor agnostic solutions.

AI-driven to succeed

User-independent, Philips AI-driven, automated measurements demonstrate excellent agreement with manual methods.¹ High levels of accuracy and reduced inter- and intra-observer variability support repeatability and reproducibility in both 2D and 3D applications.^{2,3}

Reliable data, regardless of vendor

Data from various vendors can differ in quality, processing algorithms and outcomes. Ultrasound Workspace data analysis is vendor agnostic, allowing for high levels of standardization – and confidence – throughout the patient care path.

Guided by guidelines

QualitySeal capability guides users to observe deviations from published norm-values and follows recognized nomenclature for findings. Define your own list of required measurements, if you wish, to automatically verify that studies meet your organization's quality standards.



Clinical efficiency

Expedite your path to the right answers

Bring clinical efficiency to life by applying artificial intelligence to time-consuming measurements, freeing up valuable resources for enhanced interpretation and judgment and facilitating quality patient care and throughput management.

Artificial intelligence for real performance

AI-enhanced applications automatically identify views and anatomical structures and can help streamline complex, time-consuming measurements. Philips Auto Measure, for example, can deliver fast, consistent 2D standard echo measurements in half the time of manual methods.⁴

Analyze data anywhere, anytime

Drive efficient clinical decision-making by reducing the time care teams spend locating dedicated reading workstations. Ultrasound Workspace allows access to relevant patient information for image review, analysis and reporting through any web-based client within your hospital environment.

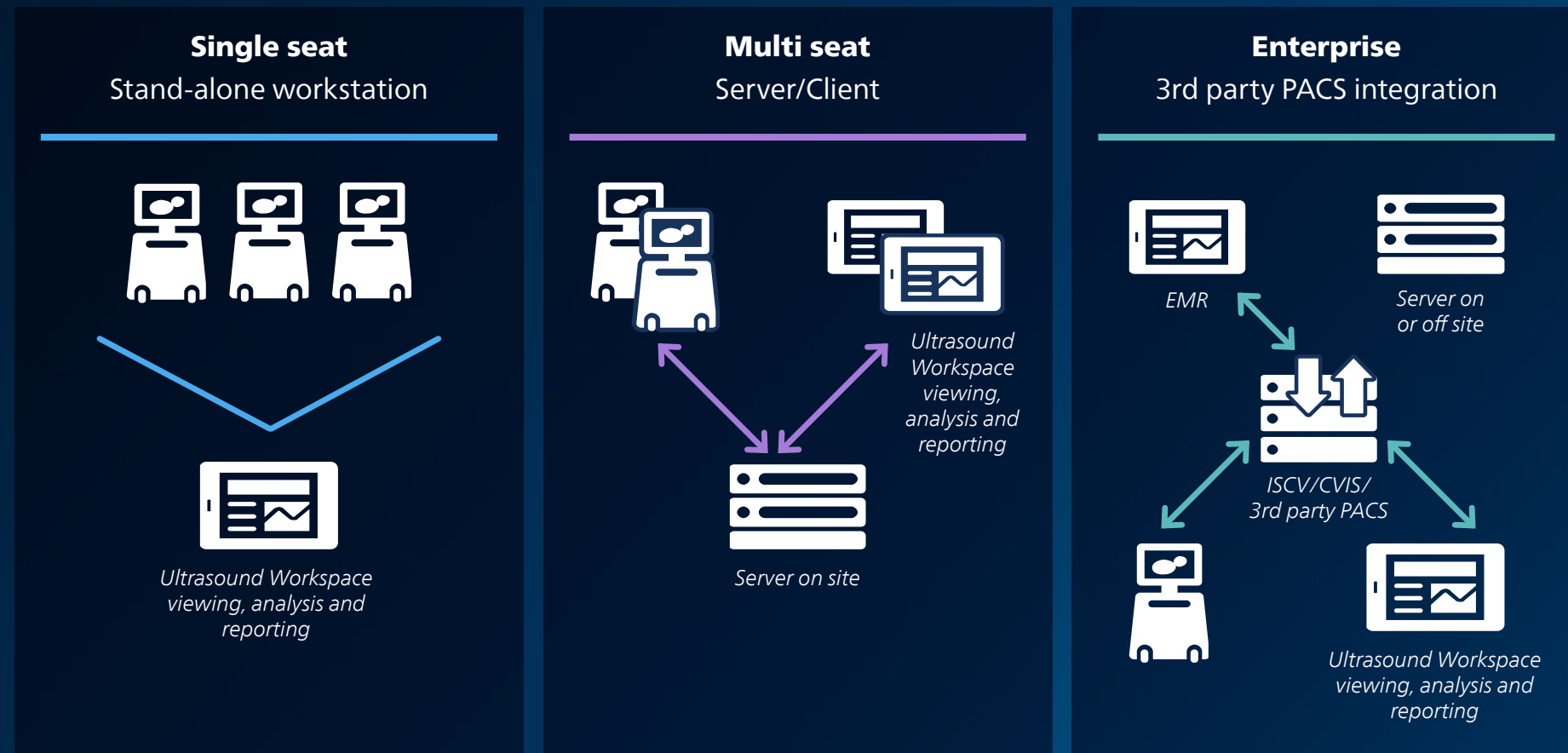
Standardization through vendor agnostic analysis

Ultrasound Workspace compatibility with 2D and 3D ultrasound data from various vendors enables images to be analyzed with the same AI-based measurement tools, facilitating consistent outcomes, high levels of reproducibility, shorter learning curves and lower total cost of ownership.

Workflow flexibility

Choose what works best for you

Web-based, Ultrasound Workspace extends the reach of ultrasound beyond the echocardiography lab by providing access to routine clinical tools and patient data via web browser. Users have more flexibility to perform tasks how, when and where they make the most sense, given the specific situation.



Configure your set-up. Scale to your needs.

From single seat workstations to multi seat networks and 3rd party PACS integration, configure Ultrasound Workspace to your specific needs today – and scale up in the future.

Access consistent lateral patient views

Access patient data from prior studies and angiograms for a consistent lateral patient view. Ultrasound Workspace can connect to existing PACS to retrieve data from any vendor. Interfaces with EMRs support the enrichment of medical records with clinical findings and measurements.

Connect easily with your existing IT systems

Philips interoperability experience and expertise make it easy to integrate Ultrasound Workspace with your existing practice management and cardiovascular information systems, PACS or EMR for quick access to exams and reports.

Adaptive licensing, designed to fit

Whether small practice or large healthcare organization, flexible licensing models are designed to accommodate your specific situation. With an active maintenance and support contract, licenses can be transferred and upgraded as needs evolve.*

*Contact your Philips representative for more information.

Security vigilance

Ultrasound Workspace provides secure, centralized mechanisms to manage identities and authentication and authorization of users, at server and application levels. At Philips, security is an end-to-end mindset, with robust policies and procedures for data protection and updates.

Workflow flexibility

The right applications

Support consistency in routine and advanced workflows with a comprehensive suite of vendor-agnostic applications.

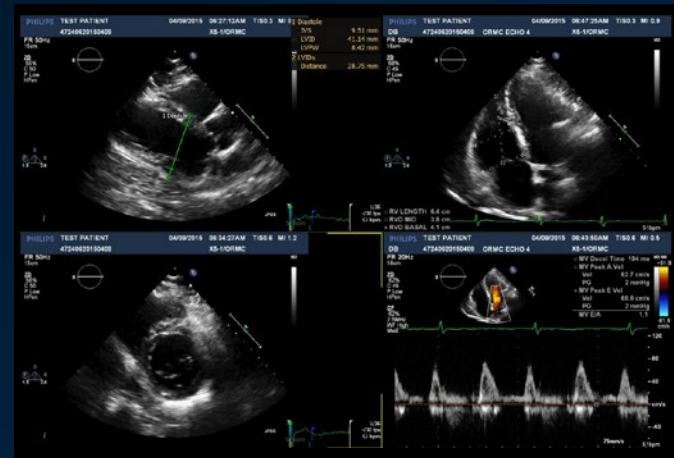
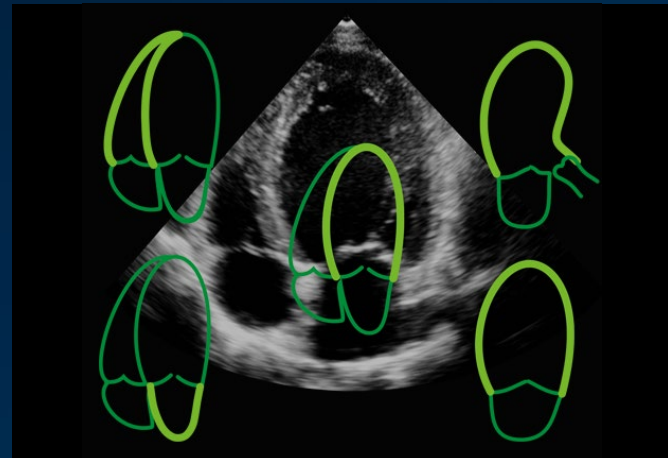
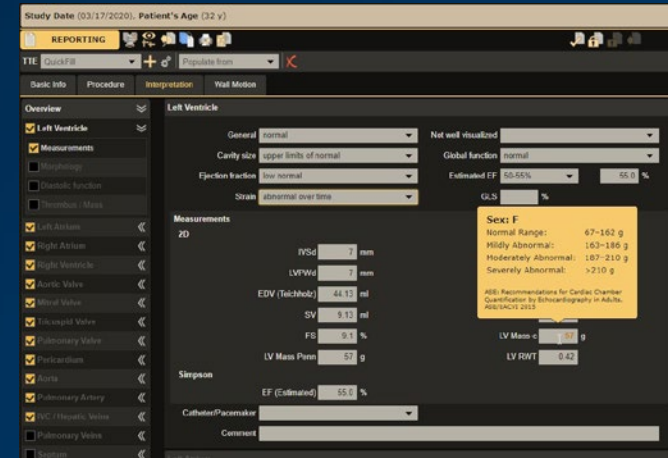


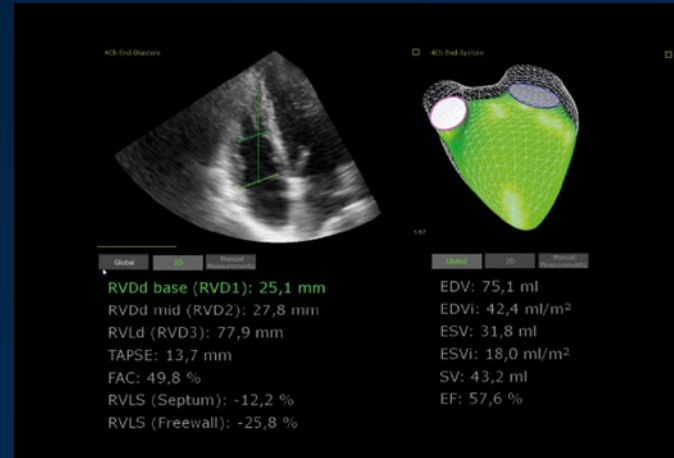
Image review, measurements and stress echo



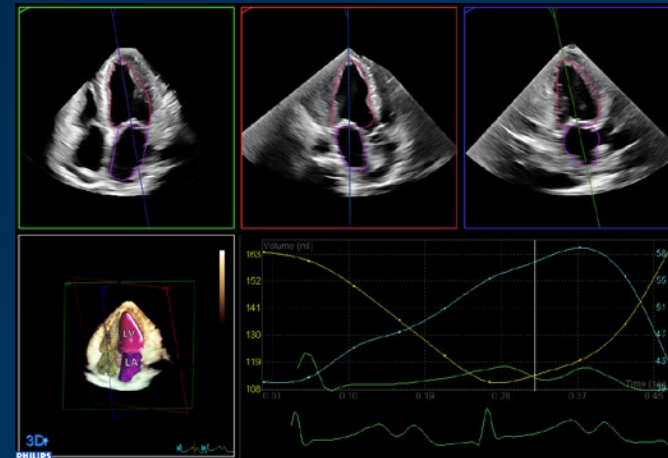
AutoStrain suite of measurements (LV, LA, SAX, RV)



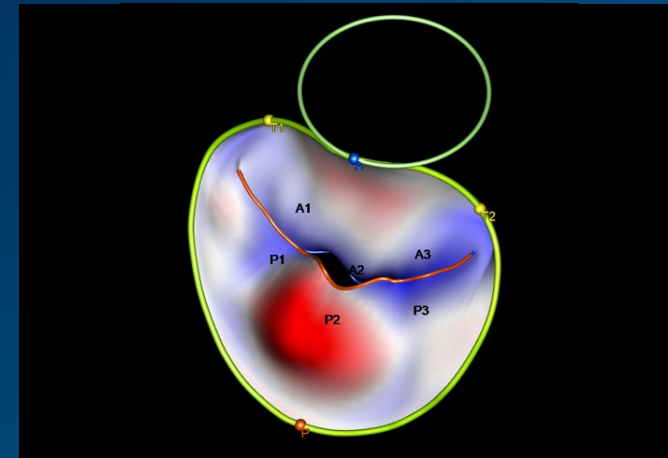
Reporting (cardiac, vascular and pediatric/fetal echo)



3D RV quantification



3D LV and LA quantification



Structural heart diseases (MV assessment)

The Philips AI philosophy

At Philips, we believe the value of AI is only as strong as the human experience it supports. That's why we combine the power of AI with deep clinical knowledge to create solutions that integrate into the workflows of healthcare providers and a patient's daily health routines – supporting them at every stage of the health continuum.



Lifetime value

Dedicated services for exceptional care

Your world doesn't stand still – and neither does Philips support. Maintain peak workflow performance over time with ongoing training and education, scheduled software upgrades and technology advancements.

Training and continuous education

Access a wide range of remote and on-site training and educational programs, including e-learning, video tutorials, how-to guides and FAQs at the Philips Learning Center, in partnership with TOMTEC ACADEMY.

Software upgrades

Periodic software upgrades, based on feedback from customers and evolving technology capabilities, help keep your system up to date with the latest advances. Easy access to training and education programs help you make the most of them.

Technology advancements

Stay on the leading edge of technology with advances related to hardware and server infrastructure, measurement mapping, connectivity standards, current medical guidelines, data image format compatibility and IT infrastructure.

Philips echocardiography

Your efficient path to a confident diagnosis

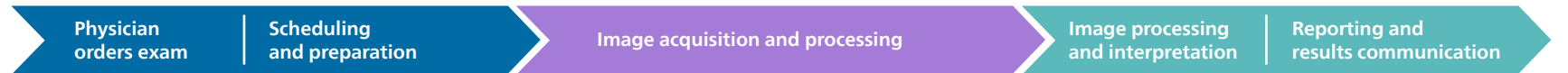
You've got a lot on the line, clinically and economically. Accelerate clinical efficiency with a full range of innovative Philips echocardiography offerings to help your care teams work smarter, before, during and after procedures.

- **The IntelliSpace Cardiovascular information platform** connects patients, care teams and data securely across the entire cardiovascular continuum.
- **EPIQ CVx and Affiniti CVx ultrasound carts** feature a suite of capabilities to help inform confident, yet efficient, decision-making, including connecting users with remote experts for guidance and support – in real time – via Collaboration Live, a Philips exclusive.
- **Ultrasound Workspace** provides advanced quantification and standardization with vendor agnostic capabilities and consistent on- and off-cart applications.

Our aim is to help streamline your echocardiography workflows throughout the patient journey – and we're here to support you every step of the way.

Consult with a Philips Healthcare representative today.

End-to-end, we start with you



IntelliSpace Cardiovascular information platform



EPIQ CVx and Affiniti CVx ultrasound carts



Ultrasound Workspace viewing, analysis and reporting

IntelliSpace Cardiovascular information platform

Philips Support Services

Maintain peak performance with software updates and upgrades; training and education; workflow optimization; and maintenance.*

**Contact your Philips Healthcare representative for more information on the various services agreements available to you.*



To learn more about how we can help you experience a new world of echocardiography workflow with Ultrasound Workspace, please contact your Philips representative.

Ultrasound Workspace is the commercial name of the medical device TOMTEC-ARENA manufactured by TOMTEC Imaging Systems GmbH.

1. Tsang W, Salgo I, Medvedofsky D, et al, Transthoracic 3D Echocardiographic Left Heart Chamber Quantification Using an Automated Adaptive Analytics Algorithm, JACC: Cardiovascular Imaging, Volume 9, Issue 7, 2016, Pages 769-782.

2. Sugimoto T, Dulgheru R, Bernard A, et al. Echocardiographic reference ranges for normal left ventricular 2D strain: results from the EACVI NORRE study. Eur Heart J Cardiovasc Imaging. 2017;18(8):833-840.

3. Medvedofsky D, Mor-Avi V, Amzulescu M, et al. Three-dimensional echocardiographic quantification of the left-heart chambers using an automated adaptive analytics algorithm: multicenter validation study. Eur Heart J Cardiovasc Imaging. 2018;19(1):47-58.

4. Philips internal study with external sonographers comparing the results of 18 exams with and without Auto Measure.

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