PHILIPS

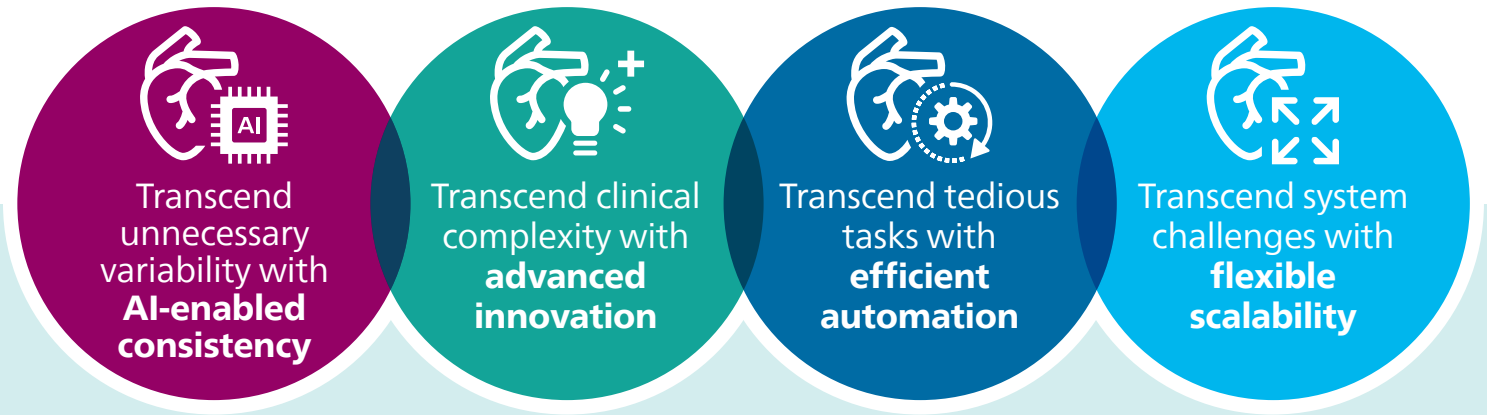
Ultrasound

Affiniti CVx

The next dimension in echocardiography

Affiniti CVx, built on the Philips innovative cardiovascular ultrasound platform, has powerful AI-based capabilities to help you transcend today's complexities and propel echocardiography into the next dimension. Affiniti CVx offers smart features to enable you to achieve greater consistency, accessible innovation, smarter workflows and easier scalability. This is all on one familiar, industry-leading platform[1] so you can act and decide with the ease you know and the legacy you trust.

Transcend today's limitations



Consistent image acquisition and interpretation across scans

Benefit from standardized results as you move across both routine and specialized procedures

Reduce unnecessary variability and gain greater alignment through AI and automation

Ease efforts for clinicians with consistent user interface and tools

Powerful tools and AI-based technology to help you every day

Manage clinical complexities to advance care for more patients in more ways

Gain greater clinical confidence with industry-leading technology for your many patients

See enhanced and superb image quality, with AI-assisted features and tools that automate and quantify

Greater automation and collaboration

Save time, get real-time input and complete routine exams to focus on what matters most

Simplify everyday echo exams with more efficient procedures and fewer manual steps

Break down barriers with devices and features that work together seamlessly

Built for scale with a unified experience, shared system DNA and flexibility to grow with your health system

Leverage the same experience across the cardiovascular ultrasound portfolio

Extend cardiovascular ultrasound flexibility with compatibility across the ultrasound platform

Access remote expertise and vendor-agnostic quantification tools

AI-enabled consistency

Offers standardized results as you move across both routine and specialized procedures

Affiniti CVx with AI and automation helps ensure consistent image acquisition and interpretation across scans for standardized results.

Reduce unnecessary variability and gain greater alignment

AI-driven protocols reduce variability user-to-user and improve reproducibility scan-to-scan.[2-5]

Automation eliminates the need for certain manual tasks, resulting in fewer potential mistakes.

Ease efforts for clinicians

The same user interface as EPIQ CVx and familiar tools remove unnecessary complexity and facilitate adoption and training.

Consistent operating system allows for streamlined fleet management.

Leverage compatible diagnostic capabilities on-cart and off-cart with the multi-vendor Philips Ultrasound Workspace for viewing, analysis and reporting

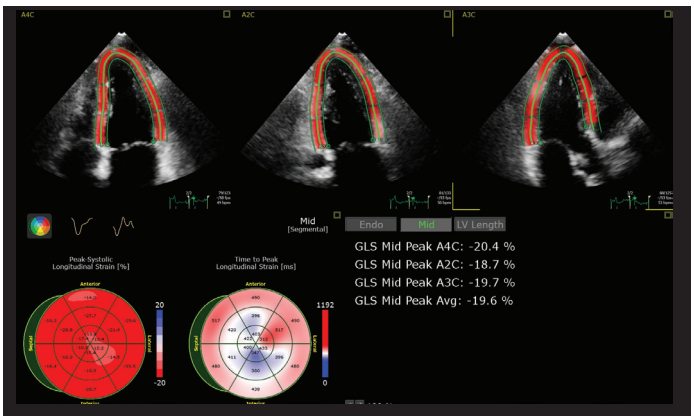
Affiniti CVx

Advanced innovation

Access powerful capabilities

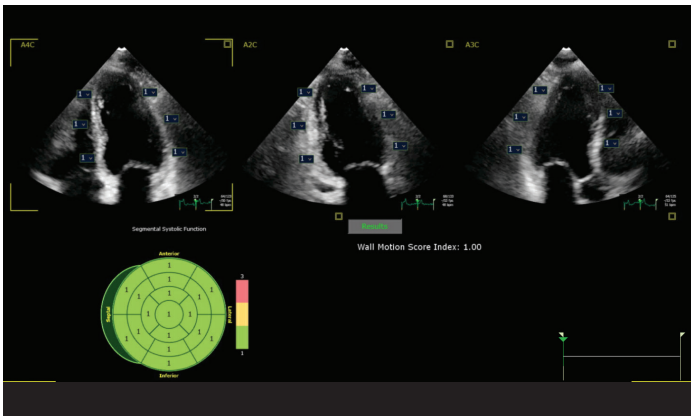
Our platform offers powerful tools and AI-based technology that help you every day as you manage clinical complexities to advance care for more patients in more ways.

Gain greater clinical confidence with industry-leading[1] technology for your many patients, allowing for enhanced and superb image quality with new, advanced measurements.[4]



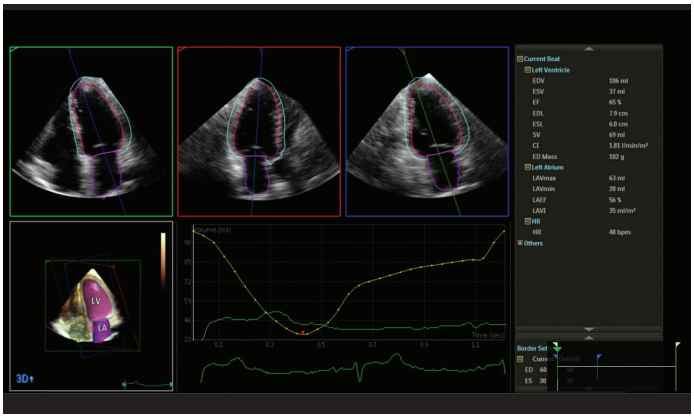
AutoStrain LV now features 2D automated EF and mid-layer strain

Advances to AutoStrain feature fast, reproducible results as part of a comprehensive LV assessment within the same application, improving workflow and saving time.[6,7]



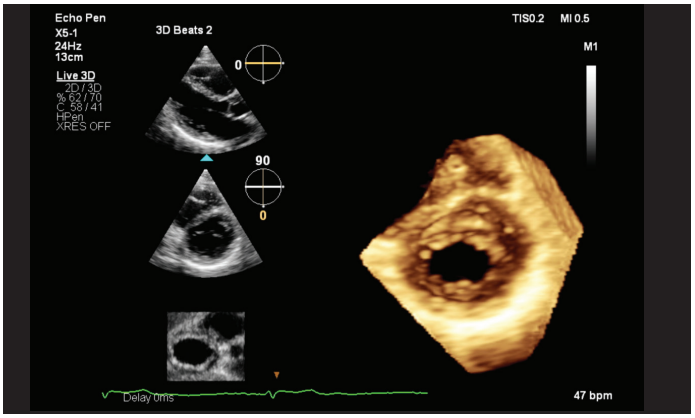
Auto Segmental Wall Motion Scoring*

Provides automated evaluation of wall motion in a standard 17-segment bullseye display to aid objective LV wall assessment.



Dynamic HeartModel[3]

Brings fully automated, advanced live 3D quantification. With one button press you can get LV and LA quantification from the same cycle.

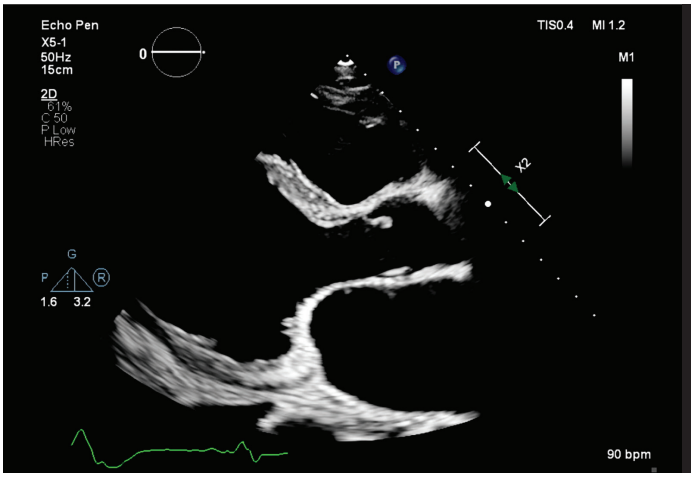


X5-1 3D TTE

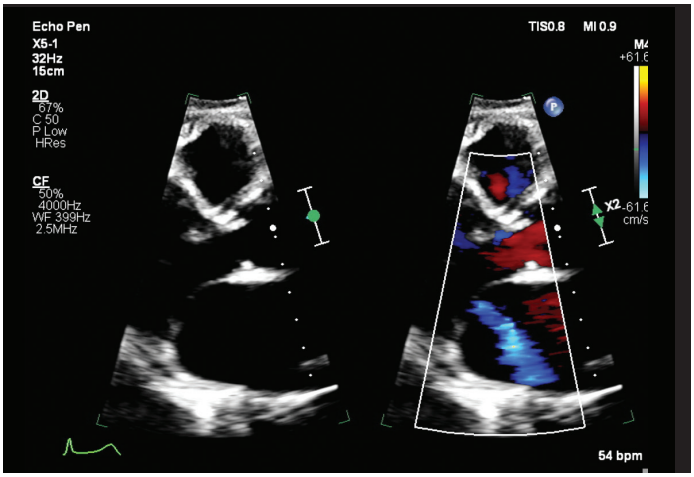
The X5-1 transducer provides 2D, 3D TTE, xPlane and iRotate capabilities.

*Clinical performance and safety have not been established for some features which have 510(k) pending. Not available for sale in the USA.

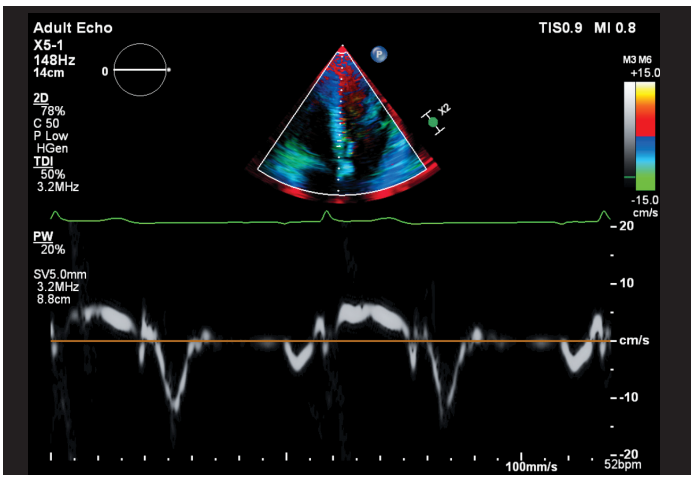
Experience the next dimension in echo



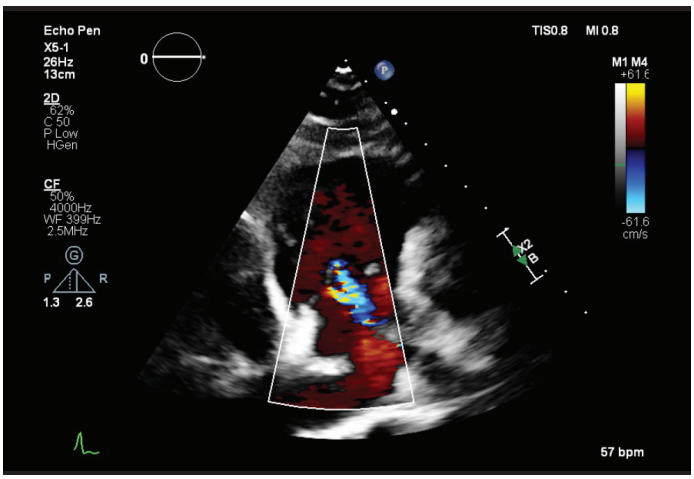
Enhanced 2D image quality with X5-1 transducer of dilated LV and LA



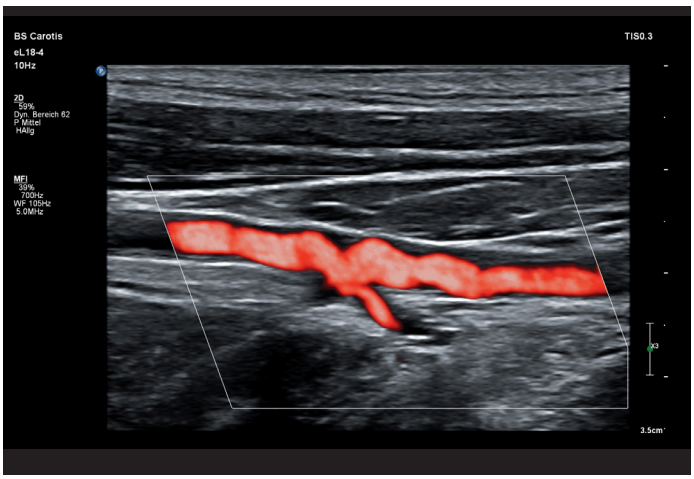
X5-1 transducer color Doppler of mitral regurgitation (MR)



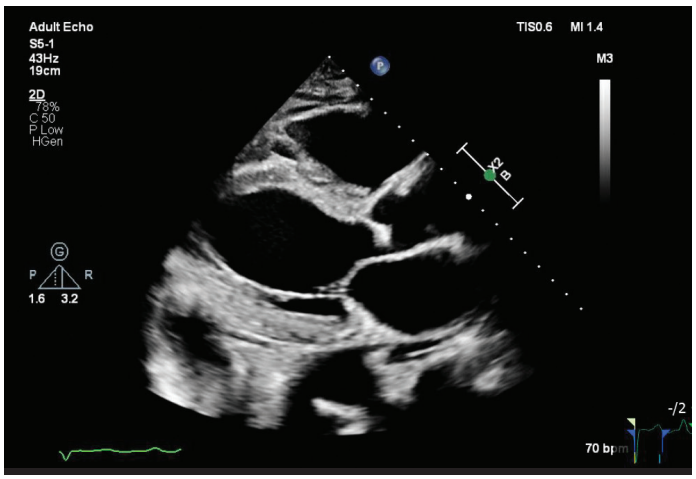
TDI from basal septal segment of LV.



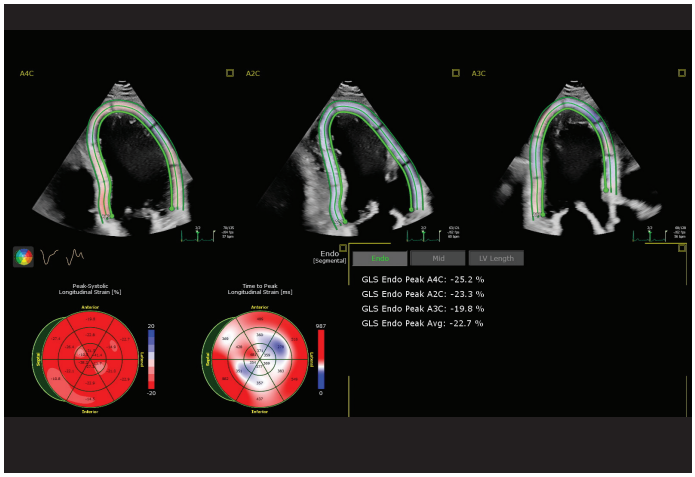
X5-1 color Doppler with double TR jets



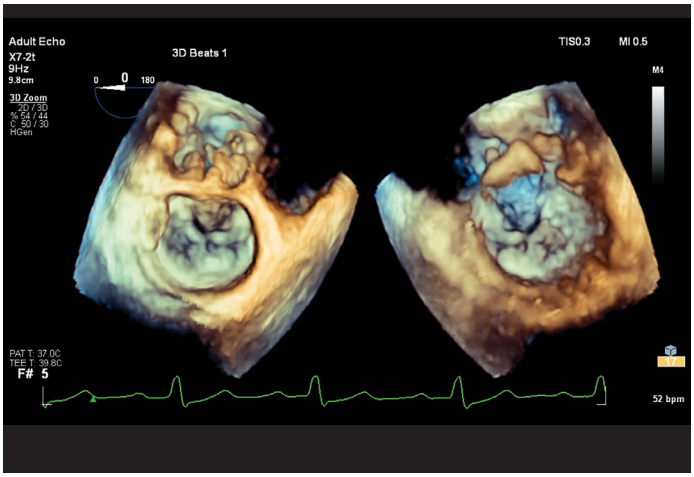
Arterial flow and branching with MicroFlow Imaging



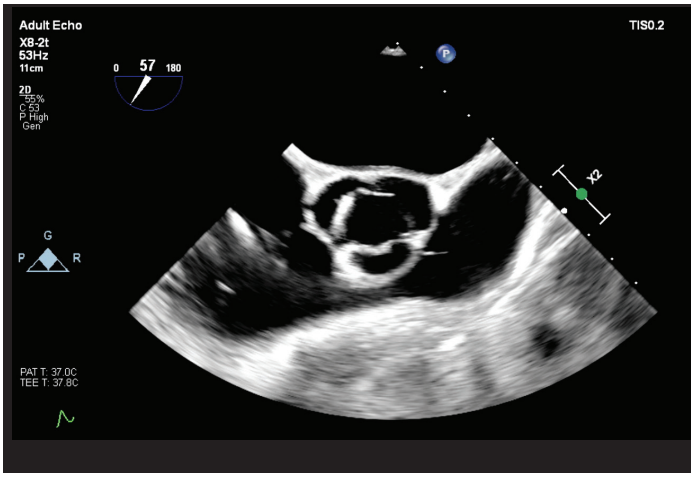
Enhanced 2D image quality of S5-1 transducer with tissue boost of dilated cardiomyopathy



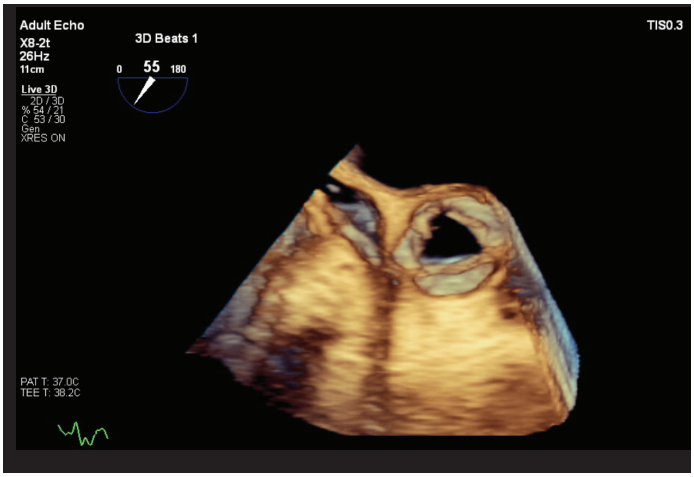
AutoStrain LV



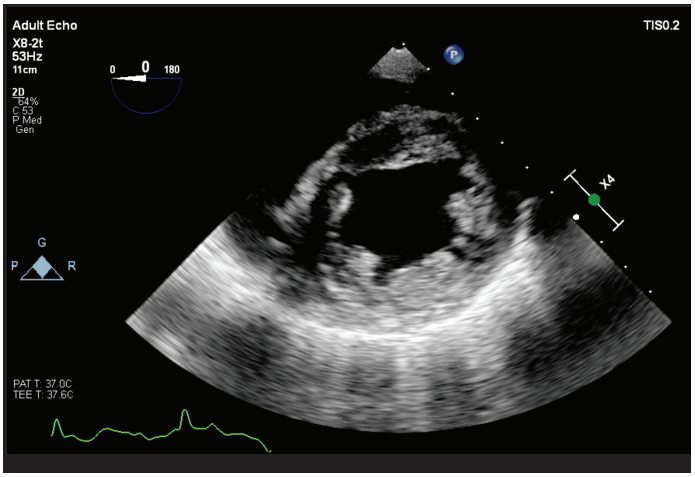
X7-2t transducer 3D zoom dual view of mitral valve prolapse



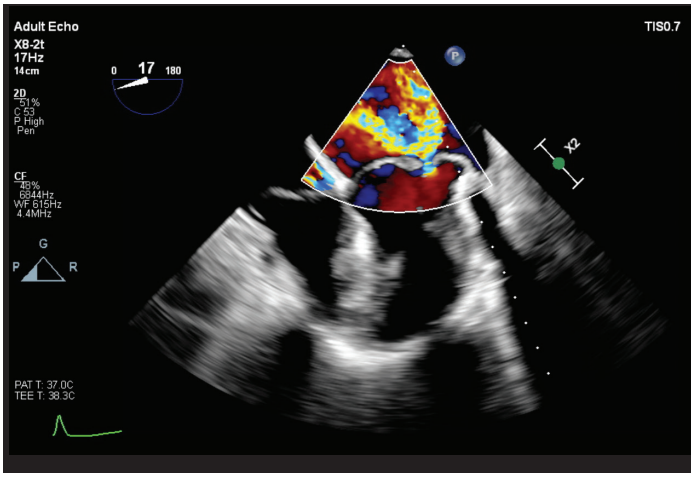
Detailed resolution of aortic valve leaflets with the X8-2t transducer



Detailed resolution of AV leaflets with Live 3D echo using the X8-2t transducer



Excellent 2D resolution in deep transgastric imaging with the X8-2t transducer



Clear visualization of dual jets with the X8-2t transducer

Efficient automation

Simplify everyday echo exams

Affiniti CVx provides greater automation and collaboration, so you can save time, get real-time input and complete routine exams to focus on what matters most.

Greater efficiency, fewer steps

Allows for more efficient procedures and fewer manual steps through automation of repetitive, mundane tasks and through AI-driven features such as Auto Measure and AutoStrain.[2-9]*

Reduced rework with easy-to-use software tools

AI-based features eliminate manual calculations and visual analysis.[9]

Break down barriers with devices and features that work together seamlessly

Gain efficiencies that can help you save time and improve your exam volume.

Collaboration Live with multi-party lets you connect with expertise

Now your ultrasound system can do more than scan. Collaboration Live with multi-party allows you to reach out directly from the ultrasound system for real-time access to remote expertise. Collaboration Live with multi-party lets you connect up to six participants in a call. You can even connect system to system so you can give and get support from your colleagues during an ultrasound exam.**

Ergonomic design

Design allows for faster exam times,[8] benefiting both patients and clinicians.

Smart (Doppler) View ID

Further enhance time-savings through the use of AI for cardiac Doppler measurements.[8,9]

*Clinical performance and safety have not been established for some features which have US FDA 510(k) pending.
** Contract required. Requires release 7.0.5 or higher. Diagnostic use and remote access via mobile device or browser requires release 9.0 or higher. Multi-party and system-to-system connect require release 10.0 or higher.

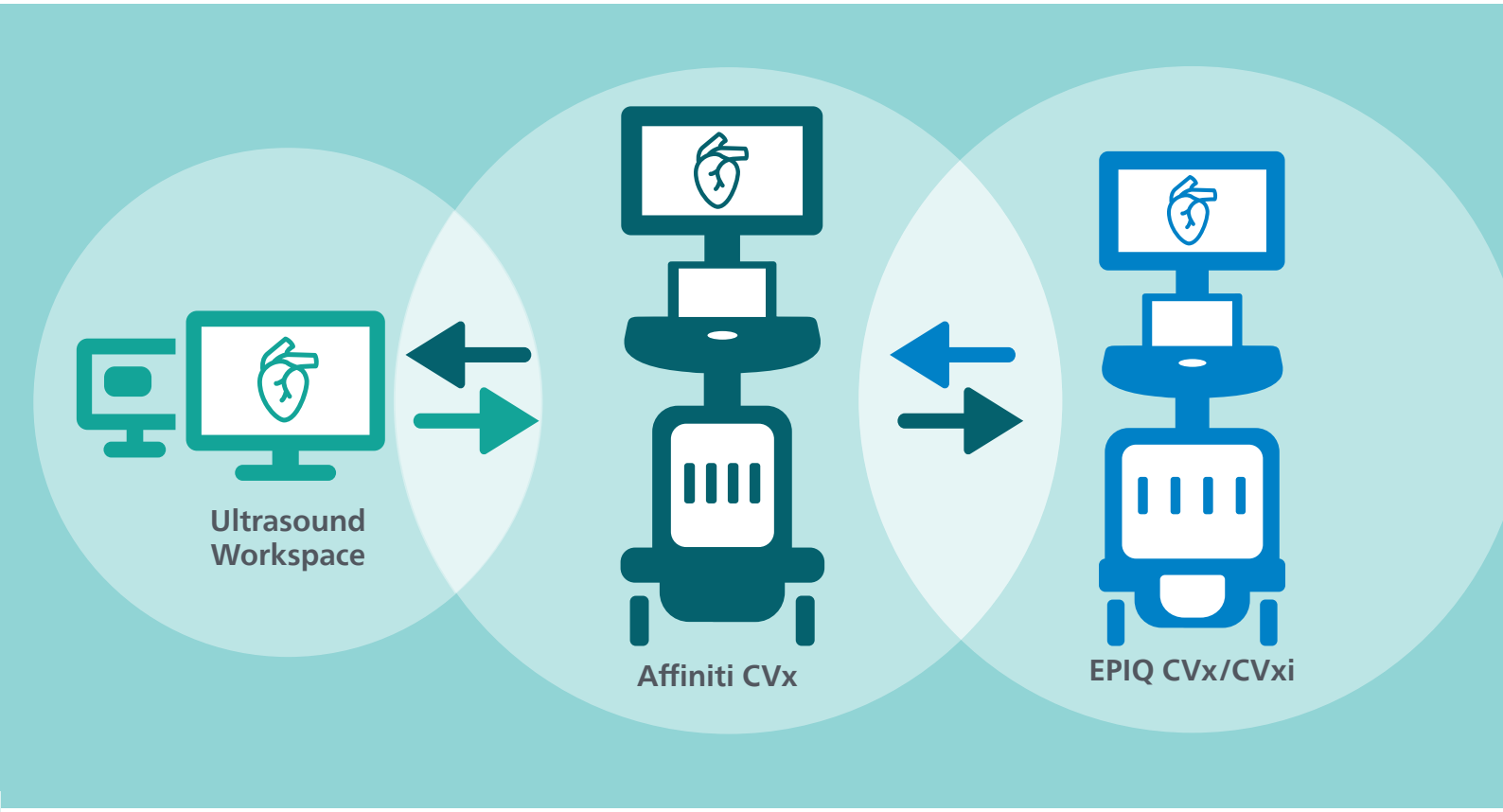
Flexible scalability

Affiniti CVx is built for scale with a unified experience, shared system DNA and the flexibility to grow with your health system.

Provide the same experience across the CV ultrasound portfolio

Clinicians have one interface and one common set of controls across most Philips devices and can feel confident working anywhere. Health systems experience easier system adoption, training and fleet management.

The CVx platform shares common DNA



Extend CV ultrasound flexibility with a shared platform

Affiniti CVx offers expanded growth opportunities with more patients, including pediatrics.[4]

Remote software management

Receive diagnostics and software remotely, schedule updates on your own time without system downtime and receive sustaining updates to keep your capabilities and security current.

References

1. Ultrasound Equipment World Market Report - 2023 Edition. Signify Research.
2. The Auto Measure feature can reduce the quantification time by 51%. Release 9.0 claims document 270472 A.
3. HeartModel study (4522 991 17141 * MAY 2016) by Dr. Roberto Lang: Automated transthoracic three-dimensional echocardiographic quantification of the left heart chambers
4. Conclusion: RT3DE yields accurate and reproducible RV volumes. The calculated percentile curves may facilitate the clinical use of RT3DE to analyze RV function in children. This study done with Philips 3D AutoRV. Laser, K. T., et al. (2018). "Validation and Reference Values for Three-Dimensional Echocardiographic Right Ventricular Volumetry in Children: A Multicenter Study." J Am Soc Echocardiogr 31(9): 1050-1063.
5. Henry MP, et al., Three-Dimensional Transthoracic Static and Dynamic Normative Values of the Mitral Valve Apparatus: Results from the Multicenter World Alliance Societies of Echocardiography Study. J Am Soc Echocardiogr. 2022 Jul;35(7):738-751.e1. doi: 10.1016/j.echo.2022.02.010. Epub 2022 Mar 1. PMID: 35245668; PMCID: PMC10257802.
6. The AutoStrain application utilizes two automation technologies: Auto View Recognition and Auto Contour Placement. While the implementation of these automation tools drives simple, fast workflow for robust and reproducible GLS measurements, the user retains the ability to edit and override the automation to facilitate good clinical practice. AutoStrain – automated global longitudinal strain (GLS) measurement, Verena Roediger, PhD. PM, TOMTEC/Philips White Paper. Printed in The Netherlands. 4522 991 45791 * FEB 2019.
7. After performing 10 echo exams with the Compact 5500 system there was 80% agreement that the AutoStrain LV application was fast and easy to use. 275264C Compact 5000 series Claims List for Marketing Communications and 277399 Compact 5000 series User Preference
8. Reduce your 2D diagnostic echo exam time by 20% by incorporating Philips automated solutions into your everyday echo. 270472 Release 9.0 Claims Evidence Report
9. AutoStrain, AutoMeasure, EchoNavigator, 3D Auto MV, 3D Auto RV, HeartModel as compared to equivalent manual methodology.

Talk with your Philips representative about the next dimension in echocardiography | www.philips.com/Affiniti-CVx

www.philips.com

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