

TECHNOLOGY HISTORY

For over 130 years, Toshiba has been a world leader in developing technology to improve the quality of life. Our 50,000 global patents demonstrate a long, rich history of leading innovation. It might surprise you to learn about some of the things we've invented.

1875 Founding of Toshiba	1990 First tissue Doppler imaging system	2003 First 64-slice CT scanner
1915 First X-ray tube	1993 First one-million-pixel CCD	2005 First compact dual plane cath lab
1973 First real-time ultrasound scanner	1997 First open, superconducting magnet	2007 First dynamic volume CT scanner
1978 First cardiac ultrasound scanner	1997 First flash echo imaging	2007 First 3D wall motion tracking
1989 First helical CT scanner	2000 First all-digital multipurpose X-ray	2011 First Fly Thru Technology

AWARD-WINNING SERVICE AND SUPPORT

Developed with customer input, Toshiba's innovative support programs have resulted in greater satisfaction when using Aplio products as reflected in customer surveys time after time.

InTouch Center™

A centralized service facility that provides applications and service support expertise for Aplio customers 24 hours a day, seven days a week.

InTouch Agreements

Tailored to meet specific customer requirements, these range from an a la carte approach that helps manage risk to full security agreements that provide complete system protection.

Technical Assistance

Customer support specialists are available 24/7 to identify and resolve technical issues in real time. Application specialists are also on hand to assist staff with protocol and image quality issues.

Local Customer Teams

A single call mobilizes a local team of Toshiba Customer Engineers. Averaging 10 years of experience with Toshiba and 105 hours of specialized training per year, they can quickly resolve almost any performance issue.

Parts Support

A complete inventory of Aplio product parts is ready for shipment when and where they're needed, any time day or night.



TOSHIBA AMERICA MEDICAL SYSTEMS, INC.

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InTouch Center is a trademark of Toshiba America Information Systems.



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Aplio™500

Picture. Perfect.

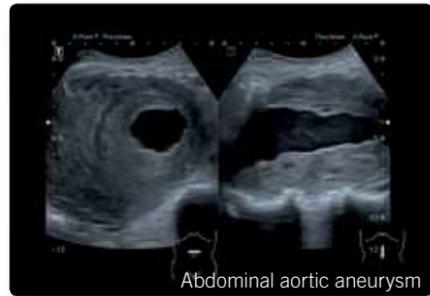
See ultrasound like you've never seen it before.

Picture the perfect ultrasound system. Now take a closer look at Toshiba's Aplio™ 500 and you'll see advancements in every aspect of technology and performance. From unsurpassed image quality that delivers exceptional depth and detail to sophisticated ergonomics and software enhancements that elevate efficiency to unmatched levels, Aplio 500 defines a new era in performance.



See more depth, detail and definition.

Based on over 40 years of industry-leading experience, Toshiba's Aplio 500 system overcomes the challenges of conventional ultrasound and delivers picture-perfect images with unprecedented resolution and detail. Toshiba's revolutionary High-Density Beamformer Architecture uses the most advanced digital signal processing technology to reveal clinical information and delivers that information quickly and reliably using an array of unique imaging technologies.



Next Generation Precision Imaging

Precision Imaging enhances the definition of structures and sharpens borders to separate clinical information from clutter and noise for a more accurate representation of patient anatomy.



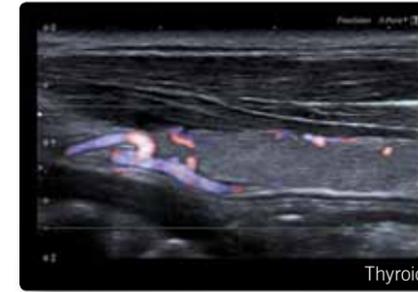
Differential Tissue Harmonics (D-THI)

D-THI overcomes the limitations of conventional Tissue Harmonic imaging by providing improved visualization and definition of lesions, cysts and subtle tissue characteristics while scanning at increased depth and on difficult-to-image patients.



Tissue Specific Optimization (TSO)

Ultrasound imaging is dependent on the acoustic characteristics of each patient. TSO provides the ability to adjust the speed of sound to minimize beam distortion and optimize image quality in different body types and conditions.



Advanced Dynamic Flow™ (ADF)

Toshiba's exclusive ADF feature employs sophisticated high-resolution, color-flow technology to display the smallest blood vessels and complex blood flow with amazing accuracy.



ApliPure™+

Providing an unparalleled level of image uniformity and detail in every mode, ApliPure+ real-time compounding combines the advantages of spatial and frequency compounding while preserving clinically significant markers.

3D/4D Imaging

Aplio 500's comprehensive 3D/4D volume imaging suite extends your diagnostic capabilities, delivering a degree of 3D detail and resolution unrivaled in the industry. The High-Density Volume Rendering Engine allows you to capture volume data sets at high-volume rates for shorter exam times and greater productivity.



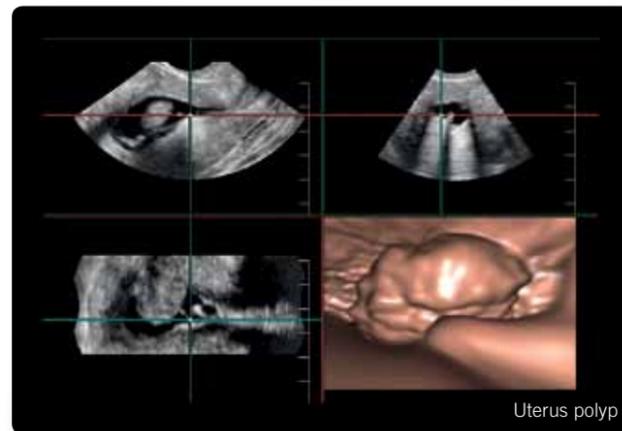
A complete range of volume imaging transducers is available on the Aplio 500.

See more with advanced visualization capabilities.

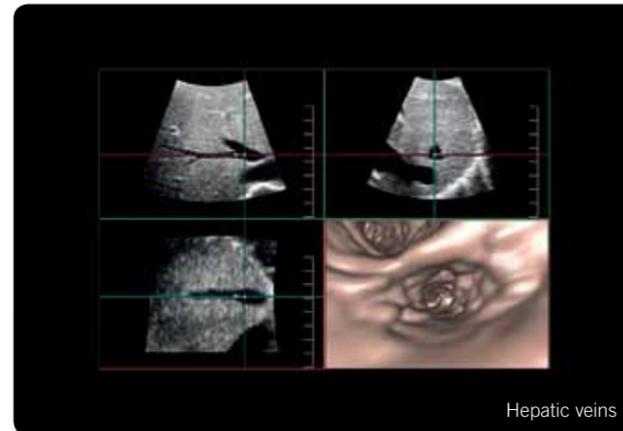
Aplio's High-Density Beamformer Architecture forms the foundation of the advanced imaging capabilities and breakthrough technologies that enable you to see more and do more in the diagnosis and treatment of your patients.

Ultrasound from the inside out with Fly Thru imaging

The industry's first Fly Thru* technology is a 3D volume rendering technique that allows you to soar through cavities, ducts and vessels from the inside and in 3D. Similar to virtual endoscopy, Fly Thru is a revolutionary tool for exploring lesions and masses and planning interventional procedures. This technology function is available both during or post exam.



Fly Thru displays structures similar to the way they would appear using a virtual endoscope.

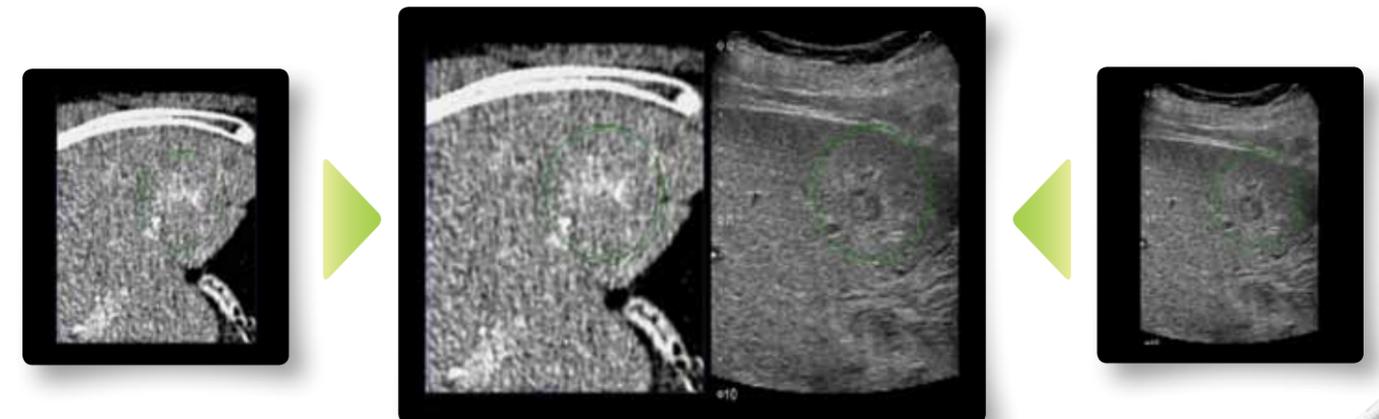


Fly Thru navigates through a selected volume automatically with a single push of a button, or can be controlled manually.

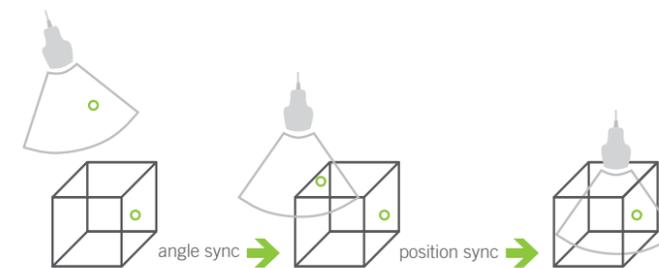
*Optional.

Smart Fusion

Smart Fusion* offers the best of both worlds by synchronizing ultrasound with CT images for locating hard-to-find lesions and improving confidence during ultrasound-guided biopsies. Smart Fusion reads 3D DICOM data sets from CT systems and, using position sensors located on the ultrasound transducer, displays the corresponding images, side-by-side with the live ultrasound image.



With its intuitive set-up, Smart Fusion is the easiest to use fusion on the market with a simple and quick two-step process.



Merging modalities to improve confidence

Matching the transducer position with the pre-acquired 3D data set is a simple and quick two-step process. By moving the transducer over the region of interest, you can now browse the area simultaneously in both real-time ultrasound and pre-acquired volume data. Intelligent target and marker points facilitate navigation in the region of interest.

Position sensor

A magnetic position sensor with sub-millimeter accuracy allows for precise spatial correlation of different imaging modalities in real-time. Attaching the sensor to the transducer shaft allows for undisturbed imaging and intervention.



Personalized. Productivity.

See ultrasound that's designed with you in mind

Every aspect of Aplio 500 has been optimized to facilitate superior workflow. With customizable, ergonomic features that improve efficiency and throughput, along with unsurpassed service and support that helps minimize downtime and maximize clinical utilization, Aplio 500 is designed with you in mind.



See more ergonomic efficiency

- A premium quality, high-resolution 19" LCD has an articulating arm and handle for simple repositioning
- The versatile console can adjust both vertically and horizontally to create more convenient patient access
- Lighter, eco-friendly (using 23% less power than previous systems) and with a smaller footprint, the Aplio 500 glides into place and puts you closer to your patient than ever before
- Ergonomic transducers deliver superb image quality across clinical applications



See things your way with iStyle™+

Toshiba's unique and innovative iStyle+ productivity suite gives you a full range of workflow automation tools that bring ergonomic relief by minimizing keystrokes, reducing exam times, and raising the consistency of exams.



Reduce operator fatigue and exam times with the industry's most customizable user interface and touch-screen display. Virtually all keys can be reassigned to suit your personal preference and provide one-button access to major imaging modes and functions.



Automate workflow when performing complex ultrasound examinations with Quick Assist protocols. Featuring one-click operation, Quick Assist helps increase consistency and standardize exams from start to finish and from patient to patient. This allows you to focus even more on what really matters – the image and the patient.



Reduce exam time with the new Quick Start menu. The fully customizable Quick Start sub-presets allow you to optimize image quality and color flow for a specific clinical target at the touch of a single button.



Achieve greater consistency in exams by optimizing image quality in all modes with the single push of a button using Quick Scan image optimization.



See superior service and support.

While Aplio 500 challenges the traditional view of ultrasound performance and productivity, one thing remains unchanged, Toshiba's commitment to unsurpassed after-sales service and support. Offering a full range of options that can be tailored to satisfy specific service requirements, we maintain parts depots strategically located throughout the country to minimize repair times. Plus a 24/7 US-based customer support line that instantly puts customers in touch with both technical and applications support personnel.

See unrivaled training and education

A global network of facilities provides training that meets stringent guidelines for clinical competence to help ensure consistent results and more rapid diagnoses.

On-site training and follow-up visits by Toshiba training professionals help facilities maintain and add new competencies over time.

See what customers are saying

Leading the way in ultrasound innovation means listening to what our customers are saying and delivering what they want. And based on their responses to the industry's most prominent, third-party approval organizations, we're headed in the right direction.

md buyline

MD Buyline has consistently ranked Toshiba #1 in customer satisfaction, more often than any other diagnostic imaging vendor. Ranked #1 for 23 consecutive quarters by MD Buyline in Cardiac Ultrasound. Ranked #1 for 7 consecutive quarters by MD Buyline in Diagnostic Ultrasound.



2011 Top 20 Best In KLAS Awards: Medical Equipment & Infrastructure, June, 2011. Ranked #1: CT 64 Slice+: Aquilion™ ONE, MR 1.5T: Vantage. Tied for #1: Ultrasound Cardiovascular: Aplio Cardiovascular. Category Leaders: Infinix-i Angio in CV/IR x-ray, Aquilion 32 in CT-Under 64 Slice. www.KLASresearch.com ©2011 KLAS Enterprises, LLC. All rights reserved.