

# Toshiba Xario 100 Ultrasound Machine - Refurbished

SKU: MP11582



Categories: [New](#)



## Description

## Review

### Toshiba Xario 100 Platinum Review:

The Toshiba Xario Platinum series share the system architecture; therefore, functions in a manner similar to and are intended for the same use. The two Xario Platinum systems are relatively compact and lightweight, and also flexible. The console and touch screen are two unique strengths, compared to the similar grade systems from other OEMs that are customizable to optimize user's workflow along with a physically adjustable height adjustment mechanism and articulated LCD arms. The articulated LCD arms is an option for the Xario 100 Platinum. The handle on the LCD monitor is a great idea that easily move the monitor into position. Quick Start menu may reduce keystrokes and shorten exam time. The user can improve ergonomics by using the one button instant image optimization.

The Toshiba Xario 100 Platinum is one of most affordable systems that supports a number of smart features that migrated from the Toshiba Aplio series from the last several years. The Toshiba Xario 100 Platinum is an affordable grade system, but with its clinically accepted superb gray scale and Doppler quality, selectable high end options such as Contrast Harmonic Imaging (CHI), Superb Micro Vascular Imaging (SMI), Elastography-FLR, Auto NT, and Luminance enable to position the Xario 100 Platinum higher by meeting the high clinical standard from physicians in many applications, especially General imaging and OB/GYN. For the dedicated cardiac application, the Toshiba Xario 100 Platinum has a choice of CW, Stress Echo, a full range of sector transducers, Pencil transducers, and adult TEE transducers.

The Toshiba Xario Platinum series also provide a number of clinical tools that enable wider clinical utilities and saves scanning time by providing better visualization in a short time. The Superb Micro Vascular Imaging (SMI) is one that increases physician's clinical productivity and diagnostic efficiency with better visualization of low-velocity blood flow. The Contrast Harmonic Imaging (CHI) function is a unique feature that enables the second-harmonic wave signals from the microbubbles in the contrast medium to be visualized. The Elastography feature is a highly

demanded option that allows tissue stiffness to be visualized based on the changes in velocity resulting from physical compression and decompression of the target region. The Toshiba Aplio Platinum series supports unique convex (PVT-350BTP) transducer that much improves the needle biopsy procedure by offering the method that a needle can be inserted and visualized in the middle of transducer, not from the edge of a transducer.

Historically, Toshiba systems provide a great choice of transducers. The Toshiba Xario Platinum series have been technically upgraded and clinically optimized for last ten years. These two systems are almost unique mid-end and affordable systems that meet high standard requirements from physicians who do in-depth studies with complete sets of transducers.

## Probes

Toshiba Xario 100 Platinum Probes/Transducers:

Convex Probe: PVU-375BT(6C1) PVU-674BT(10C3) Micro Convex Probe: PVU-382BT(6MC1) PVU-712BT(11MC4) Endo Cavity Probe: PVU-674BT(10C3) PVU-770ST(11C4) PVU-781VT(11C3) PVU-781VTE(11C3) 3/4D Convex Probe: PVU-674MV(8CV2) PVU-681MVL(11CV3) Intra Operative Probe: PVU-350BTP(6CP1) PVU-745BTF(11CI4) PVU-745BTH(11CI4) PVU-745BTV(11CI4) PLU-308BTP(6LP3) BI Plane Probe: PVL-715RS(11CL4) Linear Array Probe: PLT-704BT(11L4) PLT-1005BT(14L5) PLT-1204BT(18L7) Sector Probe: PST-25BT(5S1) PST-30BT(5S2) PST-50BT(6S3) PST-70BT(10S4) TEE PEI-512MA(8S2) PET-512MA(8SM2) PET-512MD(8SM2) Laparoscopic Probe: PET-805LA(12LI4) Pencil Probe: PC-20M(P2) PC-50M(P5)

## Features

Toshiba Xario 100 Platinum Features:

- 19-inch wide LCD monitor
- DVD/CD drive
- Wide View
- ApliPure™
- B/W printer mounting brackets

## Options

Toshiba Xario 100 Platinum Options:

- CW Unit
- 4D Unit
- ECG, PCG, and Pulse sensor
- Isolation transformer for peripheral unit
- Gel Warmer
- Footswitch Kit
- Transducer Adapter
- Transducer Cable Hanger Kit
- Transducer Holer Kit
- Basket Kit
- Panel Spacer Kit
- LCD Flexible Arm Kit
- Wireless LAN Kit
- DICOM Kit
- Panoramic View Kit
- Differential THI Kit
- Dynamic Flow™ Kit
- Elastography Kit
- Elastography-FLR Kit

- FLEX-M Kit
- Precision Imaging Kit
- ApliPure plus Kit
- Tissue Specific Optimization Kit
- Auto NT Kit
- Smart 3D Kit
- Luminance Kit
- Security Management Kit
- Local Language Key-Top Kit

## Applications

### Toshiba Xario 100 Platinum Applications:

- Abdomen
- Women's Helacre Care(GYN & Breast)
- Obstetrics
- Vascular
- Transcranial
- Small Parts(Breast, Thyroid, Testis...)
- MSK/Anesthesiology
- Pediatrics
- Urology (Renal, Prostate...)
- Adult Echocardiography
- Pediatric Echocardiography
- Neonate Echocardiography
- Stress Echocardiography
- Adult Transesophageal Echocardiography
- Pediatric Transesophageal Echocardiography
- Internal Medicine w/ Shared Service
- Surgery
- Interventional Radiology
- Contrast Imaging\_General Imaging
- Contrast Imaging\_Cardiac
- Bowel Imaging
- Strain Elastography

## FAQs

### Toshiba Xario 100 Platinum FAQs:

- ApliPure reduces ultrasound wave interface within tissues, which appear as speckle patterns or speckle noise on 2D images.
- ApliPure+ can display the boundaries between tissues more clearly and reduce speckle noise and acoustic shadows.
- Precision Imaging allows structures in 2D-mode to be displayed more clearly and the background to be displayed more smoothly.
- Tissue Specific Optimization (TSO) automatically compensates the reception focus.
- Biopsy Enhancement Auto Mode (BEAM) is a function to provide a clearer visualization of biopsy needles in the live ultrasound image. The function provides three enhancement levels and automatically selects the best scan angle.
- 2D Quick Scan enables to automatically optimize the gain and time gain control in 2D mode.

ventricular myocardial images to be analyzed, and displays the status of myocardial motion.

- Parametric MFI allows temporal information to be displayed as a color map superimposed on the CHI-mode image (Contrast image for the period from the start of contrast medium reaches the target region).
- Luminance is a surface rendering technique that provides a softer, more natural visualization of the human skin resulting in images of photographic impression on quality. The function's freely movable light source gives the user strong visual feedback on depth and detail. Changing the position of the light can help the user better identify pathological changes and skin defects.
- Elastography is the function that enables tissue stiffness to be visualized based on the changes in velocity resulting from physical compression and decompression of the target region.
- Panoramic View allows B/W images to be obtained with a wider field of view by moving the transducer in the lateral direction. Measurement using Panoramic View can be performed.
- FLEX-M is the function that allows any desired plane to be set on both the 2D-mode image and the M-mode image. The set plane can also be reconstructed.
- Auto NT is the function that semi-automatically measures the thickness of nuchal translucency between 12 to 14 weeks in the sagittal section.

## Features

Tissue Harmonic Imaging: Yes Spatial Compounding(=CrossXbeam): Yes(AprliPure+) Speckle Reduction (=SRI): Yes(Precision Imaging) Auto Image Opt(B mode) :Yes Auto Image Opt(Doppler): Yes(Doppler scale/Base line) Write Zoom :Yes Triplex Mode: Yes Needle Enhancement or Needle Recognition:Yes(BEAM) Auto NT Measurement (=Sono NT) :Yes(Auto NT) Auto Follicle 2D Measurement :No Auto Follicle 3D Measurement :No Auto IMT : Yes(Auto IMT) Auto IMT (Real Time) :No Automated B/M/D Measurement: No Automated LH Measurement(Automated Function Imaging(AFI), Cardiac Motion Quantification(CMQ), or Auto EF(Ejection Fraction): No Live Dual (B/BC) Mode: Yes(TwinView) SmartExam or Scan Assistant : No Fusion : No Raw Data File: No Flexible Report: Yes Barcode Reader: Yes Gel Warmer: Yes

## Transducers

Convex (1~6Mhz) Yes(6C1) Convex (2~9Mhz) : No Single Crystal Convex (1~6Mhz): No Single Crystal Convex (2~9Mhz): No 2D Array 3D Convex (1~6Mhz): No Micro Convex (5~8Mhz): No Single Crystal Endocavity\_Straight Type (3~10Mhz): No Endocavity\_Curved Type (5~8Mhz): Yes 3D Convex (2~6Mhz) : Yes(8CV2) 3D Convex Light Weight (2~7Mhz): No 3D Endocavity (3~10Mhz): Yes(11CV3) 3D Micro Convex (3~9Mhz): No 3D Linear (4~18Mhz): No Linear (>14Mhz): Yes(18L7) Linear (3~12Mhz): Yes(11L5)

Linear ( Yes(11L4) Single Crystal Linear (>14Mhz): No Single Crystal Linear (3~12Mhz): No Single Crystal Linear ( No Linear 50mm :Yes(14L5) Linear 25mm : No Hockey stick ( No Hockey stick (>13Mhz): No T or L shape Intra Operative: Yes(6CP1/11C14) Phased Array\_Adult (1~5Mhz) : Yes(5S1/5S2) Single Crystal Phased Array\_Adult (1~5Mhz) :No 2D Array 3D Phased Array (1~5Mhz) : No Phased Array\_Pediatric (3~8hz) : No Single Crystal Phased Array\_Pediatric (3~8hz): Yes(6S3) Phased Array\_Neonate (4~12Mhz) : Yes(10S4) ICE (Intracardiac Echo Cardiography): No TEE\_Adult (3-7Mhz): Yes(S8S2) TEE\_Pediatric (3~7Mhz): No 2D Array 3D TEE (2~7Mhz): No Pencil CW (2Mhz): Yes(P2) Pencil CW (5 or 6Mhz): Yes(P5)

#### Imaging Modes

2D, M mode: Yes M-color Flow Mode: Yes Anatomical M-mode: Yes(Flex-M) Trapezoidal Mode : Yes Color, Power Angio, Pulse Wave Doppler: Yes Bi-directional Power (=HD FLOW): Yes SCW Doppler: Yes Tissue Doppler(Velocity) Imaging: Yes Freehand 3D: Yes(Smart 3D) Live 3/4D OB/GYN: Yes(4D Option) HD Live: Yes(Luminace) STIC (Spatio-Temporal Image Correlation): No Live 3D Echo: No Stress Echo: No Strain and Strain Rate (Cardiac): No B Flow: No Panoramic Imaging (=Logiq view): Yes Contrast Imaging - Cardiac: Yes Contrast Imaging - General Imaging: No Strain-based Elastography : Yes Shear Wave Elastography: No

#### Applications

Abdominal: Yes Women's Health Care (GYN & Breast): Yes OB :Yes Fetal Echo: No(No STIC) Vascular: Yes TCD(Transcranial): No Small Parts (Breast, Thyroid, Testis...): Yes MSK/Anesthesiology :Yes Pediatrics: Yes Urology (Renal, Prostate...) :Yes Echocardiography\_Adult: Yes Interventional Cardiology: Yes Echocardiography\_Pediatric: Yes Echocardiography\_Neonate: Yes Stress Echocardiography: No Transesophageal Echo\_Adult: Yes Transesophageal Echo\_Pediatric : No Internal Medicine w/ Shared Service: Yes Surgery: Yes Interventional Radiology: yes Contrast Imaging \_ General Imaging (Low MI) : No Contrast Imaging \_ Cardiac (High or Low MI): No Bowel Imaging: Yes Strain Elastography: Yes Shear Wave Elastography: No