ACCUVIX XG

**MEDISON** has been a leading name in diagnostic ultrasound since its foundation in 1985. As one of the only companies dedicated solely to ultrasound imaging, we have remained at the forefront of research and development in 3D/4D technology for 25 years. Since revolutionizing the industry with the introduction of the first commercial 3D/4D ultrasound device, we have continued to innovate technologies that have made 3D/4D ultrasound an indispensable diagnostic tool for clinicians the world over. Today we continue to pioneer revolutionary ultrasound technologies and develop the ultimate in 3D/4D ultrasound imaging systems.

www.medison.com • • • marketing@medison.com

see it all MEDISON

CT-XG-Rad-TTW-ISP-101217EN

# Design Your Performance

**Accuvix XG** Ultrasound system

see it all MEDISON

# Design Your Performance

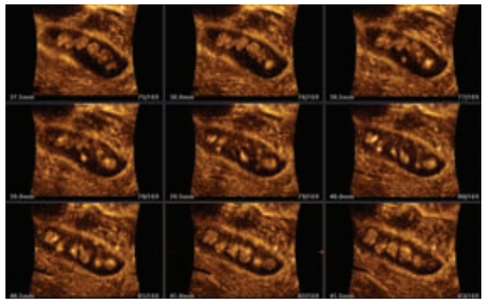
Medison wants to give you an easier way to acquire more information, with greater confidence in your daily practice.
The Accuvix XG empowers you through advanced image quality, extensive automation, an innovative user interface and an ergonomic design. Experiencing the Accuvix XG will enable you to see beyond previous imaging boundaries, and provide better patient care.

# Design Your Advances

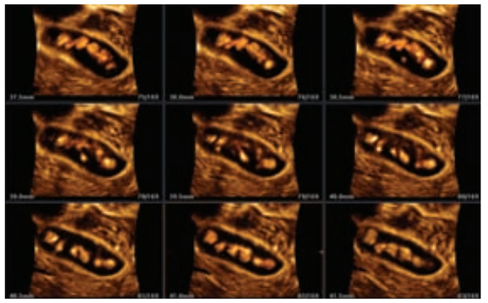
HDVI™, the next generation technology which improves 3D volume image quality.
ElastoScan™, diagnostic application support to verify obscure disease precisely.
With HDVI™ and ElastoScan™, daily practice will be manifested with ease creating quick and accurate value of the image.

## HDVI™

HD Volume Imaging™(HDVI™) gives outstanding image quality and naturally clearer contrast, with excellent tissue differentiation, edge depiction and speckle reduction, allowing consistent diagnoses with great confidence. It shows clearer images of subtle lesions, multi slice image as well as C-plane.



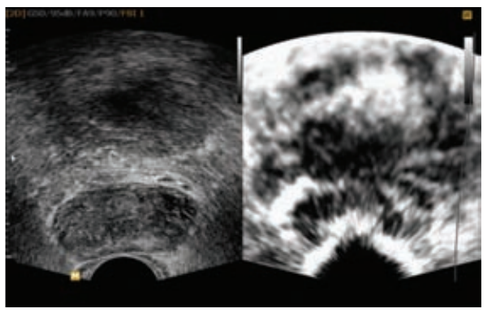
Multiple GB stones in MSV without HDVI™



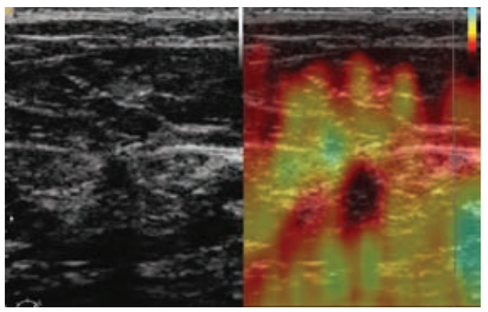
Multiple GB stones in MSV with HDVI™

## ElastoScan™

ElastoScan™ translates stiff & soft tissue information into gray scale image. This technology allows to define the alteration of the stiffness in tissue state more accurately that it makes easier for the user to diagnose image.



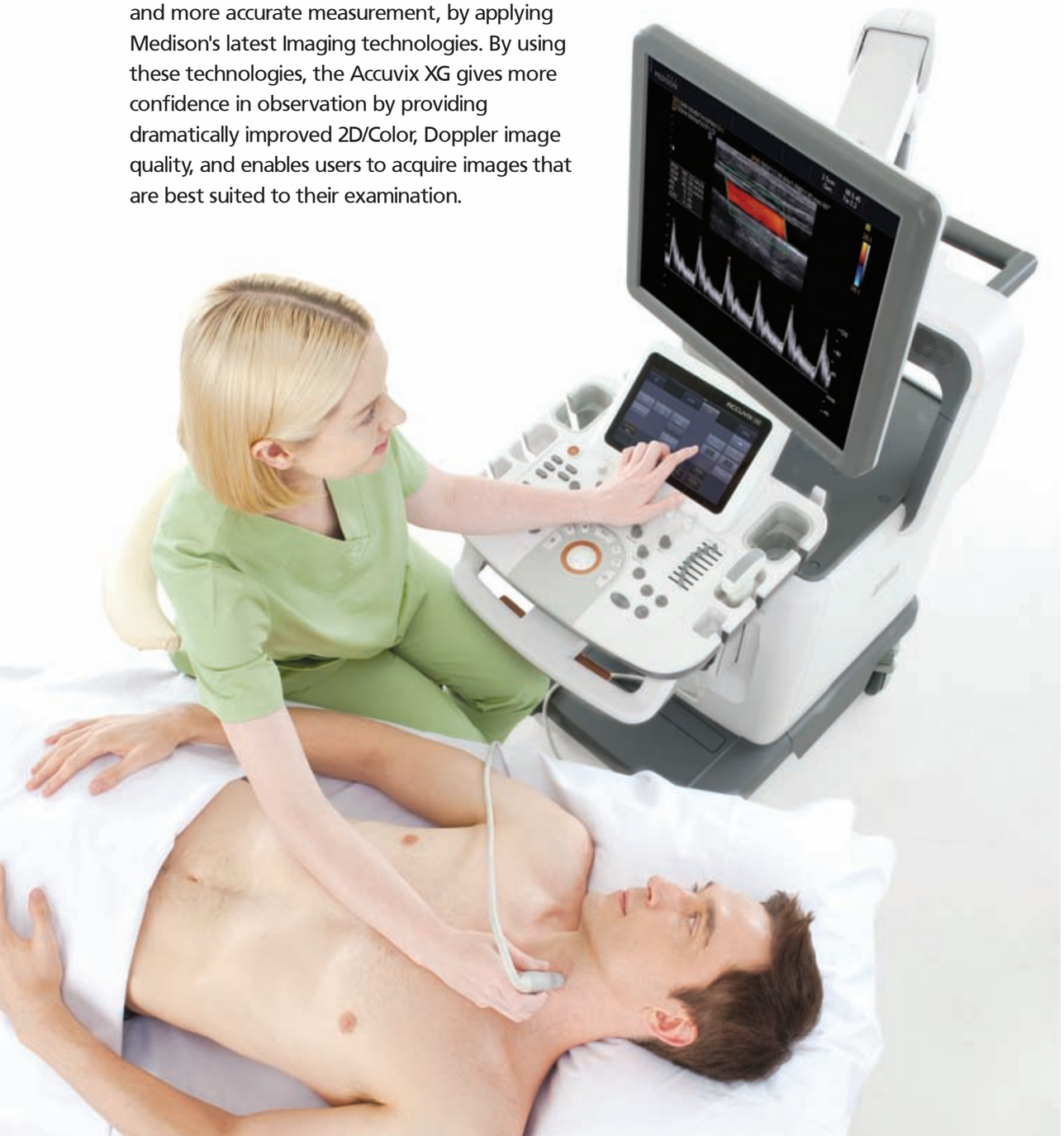
Prostate cancer is much more clearly detected in the elastography image, compared to the sonogram.



The malignant area, mapped in red, represents a hard area.

# Design Your Image

Accuvix XG is designed to provide clearer vision and more accurate measurement, by applying Medison's latest Imaging technologies. By using these technologies, the Accuvix XG gives more confidence in observation by providing dramatically improved 2D/Color, Doppler image quality, and enables users to acquire images that are best suited to their examination.



## 2D Image Features

**Dynamic MR™ / Dynamic MR Plus™** is designed to enrich gray-scale resolution, as it enhances detection and contrast resolution while also decreasing speckle echoes. This is particularly useful when evaluating superficial structures, including thyroid, vessels, pelvic and abdominal anatomy.

**SRF (Speckle Reduction Filter™)** enhances image quality by reducing or eliminating the appearance of speckle echoes from ultrasound images. The degree of speckle reduction implemented is user-selectable.

**Wide Dynamic Range** determines the number of gray shades utilized to map the gray-scale image.
It enables to display more details of bright areas and dark areas.

**SCI (Spatial Compounding Image™)** controls ultrasound beam electronically by steering, and it compounds many scan lines.

**FSI (Full Spectrum Imaging™)** incorporates the penetration capabilities associated with lower frequencies, yet maintains the fine pixel uniformity associated with higher frequencies, to deliver consistently high quality images even challenging diagnostic cares.

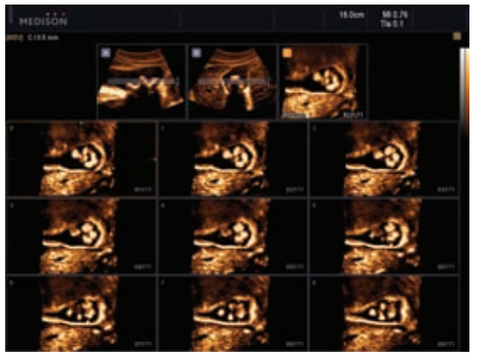
Liver multiple masses with DMR™

## 3D Image Features

**HDVI™** gives outstanding image quality and naturally clearer contrast, with excellent tissue differentiation, edge depiction and speckle reduction, allowing consistent diagnoses with great confidence.

**3D XI™**, comprised of a suite of three innovative imaging applications - Multi-Slice View™, Oblique View™ and Volume CT™ - offers complete and precise control over 3D/4D volume data manipulation for maximum diagnostic accuracy.

**3D MXI™** is an innovative, cutting-edge 3D image processing technology. Comprising a comprehensive suite of imaging tools - including Multi Volume Slice™, Mirror View™, Multi-OVIX™, and 3D OH™ - 3D MXI™ lets you view, examine and diagnose 3D volume data with supreme ease, speed and accuracy.



Multiple GB stones in MSV

# Design Your Environment

The Accuvix XG has an intuitive, ergonomic design that takes your needs into consideration, and offers more comfortable working environment. Users are able to organize their examination environment according to their personal preferences.

### Fully Adjustable system

The control panel can be adjusted to the user's preferred height, for a better working environment and reduced risk of back pain.

### Wide LED touch-screen

The Accuvix XG's new LED touch-screen makes it easy to organize and operate the simple-to-use.

### 19-inch HD LCD Monitor and articulating monitor arm

A 19-inch LCD monitor enables images to be displayed clearly even with a larger monitor, and the articulating monitor arm enables easy mobility for a more comfortable and convenient working environment.

### Portability

The Accuvix XG is a lightweight system with 4 swivel wheels that allow easy steering, and a locking function.

# Design Your Workflow

Experience a more convenient and efficient working environment with Accuvix XG's customizable menus and able one-click buttons to take you where you want to go.

### Customizable measurement menus

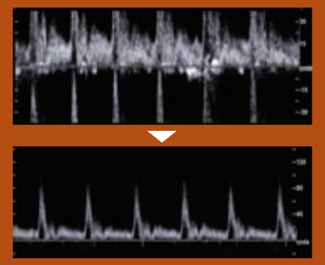
Customizable measurement menus allows access to frequently-used functions, and enable a quicker and more intuitive workflow.

### User keys and user knob

Accuvix XG offers user key and user knob that can map frequently-used functions, enabling the function to be activated quickly and easily.

### Customized Annotation Menu and body marker

Users can preset up to 360 words of annotations, and body markers for each application, that reducing the time needed for each examination.



### QuickScan™

QuickScan™ maximizes workflow efficiency by automatically optimizing key imaging parameters with just a push of a button.

# Premium Class Probes

## Convex Array

### C2-6IC

- Application : Abdominal, OB, GYN
- Center Frequency : 4.0MHz
- Field of View : 58.1°

### C1-4EC

- Application : Abdominal, OB, GYN, Contrast
- Center Frequency : 3.0MHz
- Field of View : 57.2°

### C4-9/10ED

- Application: Pediatric, Vascular, Abdominal
- Center Frequency: 6.5MHz
- Field of View:150.4°

## Linear Array

### L3-8

- Application: Small Parts, Vascular
- Center Frequency: 4.6MHz
- Field of View: 39mm

### L5-13IS

- Application: Small Parts, Vascular, Musculoskeletal
- Center Frequency: 8.0MHz
- Field of View: 38.4mm

### LF5-12

- Application: Small Parts, Vascular, Musculoskeletal
- Center Frequency: 7.7MHz
- Field of View: 50mm

### LS5-13(L-Shape)

- Application : Musculoskeletal
- Center Frequency : 7.0MHz
- Field of View : 24.96mm

## Phased Array

### P2-4BA

- Application: Cardiac, Abdominal, TCD
- Center Frequency: 2.7MHz
- Field of View: 90°

### P3-8CA

- Application: Abdominal, Pediatric
- Center Frequency: 4.7MHz
- Field of View: 90°

### P4-12

- Application: Cardiac, Pediatric
- Center Frequency: 7.0MHz
- Field of View: 90°

## Endo-Cavity

### EV4-9/10ED

- Application : OB, GYN, Urology
- Center Frequency : 6.5MHz
- Field of view : 148°

### ER4-9/10ED

- Application : OB, GYN, Urology
- Center Frequency : 6.5MHz
- Field of view : 148°

### VR5-9

- Application : OB, GYN, Urology
- Center Frequency : 6.5MHz
- Field of view : 150.0°

## Continous Wave Probes

### CW2.0

- Application : Cardiac
- Center Frequency : 2.0MHz

### CW4.0

- Application : Cardiac
- Center Frequency : 4.0MHz

## Volume Probes

### V5-9

- Application : OB, GYN, Urology
- Center Frequency : 6.5MHz
- Field of view : 150.3°

### V6-12

- Application : Small Parts, Vascular, Musculoskeletal
- Center Frequency : 8.0MHz
- Field of view : 40.0mm

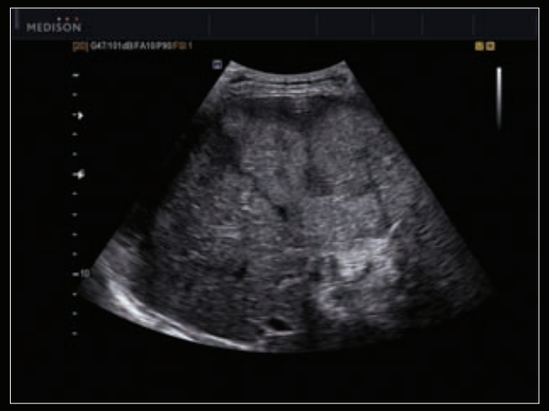
### 3DC2-6

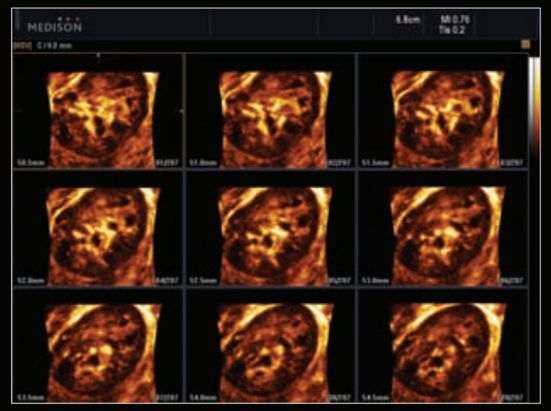
- Application : Abdominal, OB, GYN
- Center Frequency : 3.5MHz
- Field of view :69.0°

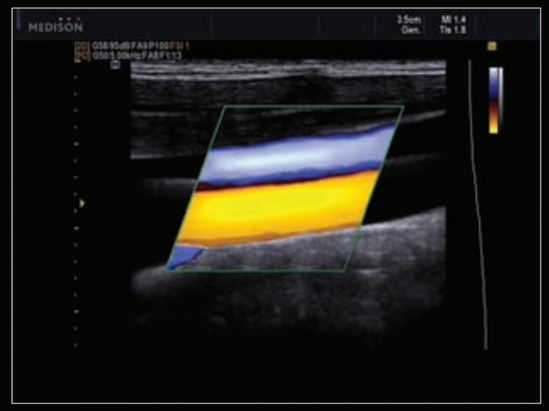
### V4-8

- Application : Abdominal, OB, GYN
- Center Frequency : 4.0MHz
- Field of view : 76.8°

# Image Gallery


Liver multiple masses with DMR™

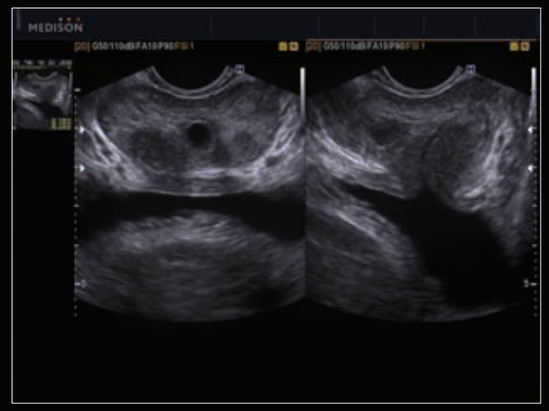

Kidney in MSV with HDVI™

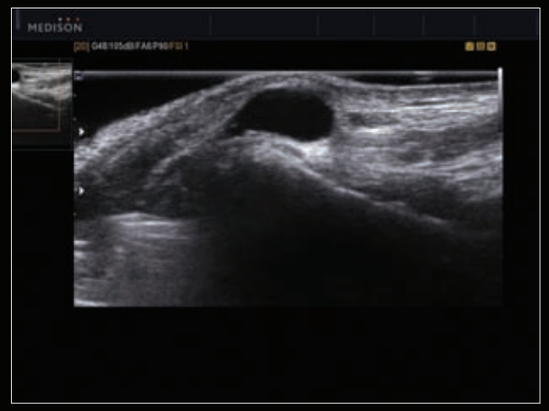

Jugular vein & carotid artery of DPDI

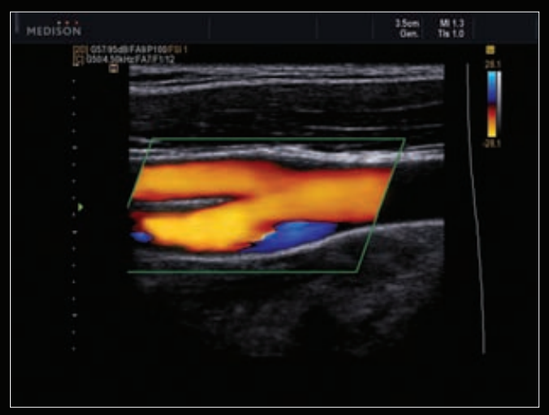

Panoramic image from elbow to wrist

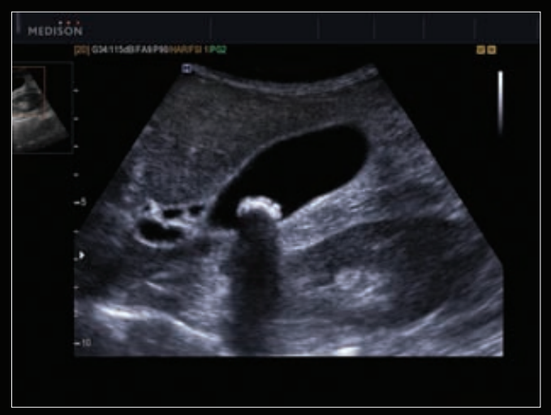

Neck side lymphadenitis


Left liver hemangioma


Prostate mass in dual mode


Ganglion cyst zoom image


CCA bifurcation of color


GB Stone harmonic image


Multiple GB stones in MSV


Thyroid mass with SCI™