

see it all ●●●
MEDISON



MEDISON has been a leading name in diagnostic ultrasound since its foundation in 1986. 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 more than twenty 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.

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CT-Prestige-TTW-MS-090724

The Supreme 3D/4D Ultrasound
ACCUVIX **V20**

3D/4D Beyond Imagination

The 'Prestige' ultrasound imaging system represents the pinnacle of more than a decade of technological advancement in 3D/4D ultrasound imaging at MEDISON. Inheriting a tradition of excellence in 3D/4D technology and diagnostic application from the ACCUVIX line, the flagship 'Prestige' sets the standard in 3D/4D ultrasound imaging with breakthrough volume acquisition technologies, faster and smoother operation, and significantly enhanced imaging capabilities.

Discover the new 'Prestige' and experience 3D/4D imaging beyond your imagination.



3D MXI™

The Future of 3D/4D Imaging

3D MXI™ is the innovative, cutting-edge 3D image processing technology at the heart of the 'Prestige'. 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. Whether used for clinical application or for research, the revolutionary technology of 3D MXI™ has the power to significantly enhance both your diagnostic accuracy and confidence.



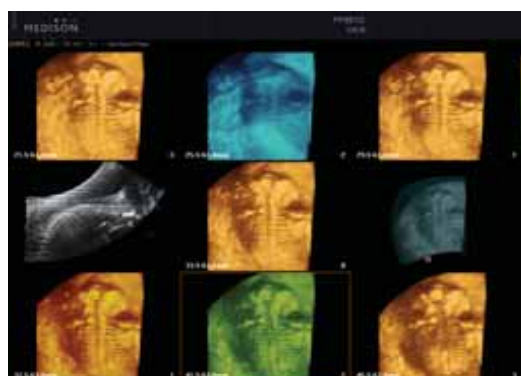
... Revolutionary 3D/4D Imaging

Multi Volume Slice™

Multi Volume Slice™ truly revolutionizes 3D/4D imaging by enabling users to acquire seven different images from just a single scan. Multiple renderings can be viewed in a variety of modes — including Surface mode for rapid diagnosis of the fetal mandible, palate, nose and lips, and Maximum mode for 'at a glance' detection of bone defects such as spina bifida, kyphosis and scoliosis. Any image can be re-rendered simply by switching to Full mode — then viewed at optimum quality by selecting from multiple renderings in 3D/4D Surface mode. Using Multi Volume Slice™ experienced users can reduce 3D/4D exam time, acquire higher quality images with greater ease, and improve diagnostic confidence.



Profile View in Multi Volume Slice™



Anencephaly in Multi Volume Slice™

Mirror View™

Mirror View™ depicts right, left, and overhead orientations simultaneously for easier and more accurate diagnosis of fetal spine, face and abnormalities. Features such as the fetal palate can be accurately diagnosed through side-by-side analysis of surface face (left view) for the primary palate, reverse view (right view) for the secondary palate, and 'tilt and scroll' method (centre view) for the primary and secondary palate. Mirror View™ is also an invaluable tool for diagnosis of hand and foot malformations.



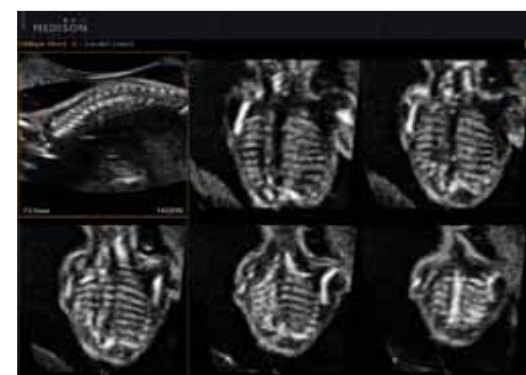
Fetal Face in Mirror View™

Multi-OVIX™ (Oblique View eXtended)

Multi-OVIX™ allows users to examine 3D volume data in unlimited planes of view with enhanced image quality that improves diagnostic accuracy of the fetal brain, spine, face and abdomen. It also enables analysis of multi-volume images — just one touch of the command screen lets you display two, six, or nine images on screen at one time. The ability to view the acquired portion of the 3D data in this way allows complete visual examination and gives a clearer understanding of the correlation between organs and other areas within the region of interest.



Gastro Effusion in Multi-OVIX™



Fetal Spine in Multi-OVIX™

... Simpler 3D/4D Imaging

3D OH™ (Orientation Help)

3D OH™ provides 'at a touch' intuitive representation of positioning within a 3D volume set. An onscreen 'M' marker correlates to a Position Indicator on the probe itself, providing a global reference point, while arrows show the direction the scanner is moved.



Fetal Face in 3D OH™



Fetal Spine in 3D OH™

Full Zoom™

Full zoom™ reduces eyestrain and increases diagnostic confidence by allowing you to view 3D images at maximum size on the 19-inch screen without image quality deterioration.



Omphalocele in Full Zoom™

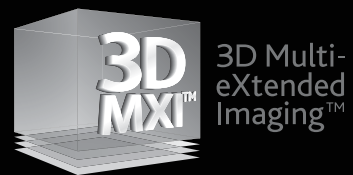
ROI Single Control

ROI Single Control lets you quickly focus a specific region within a 3D volume using four flexible-control buttons to select area of interest independently.

10x Faster Image Manipulation

The new 3D MXI™ platform provides a significantly faster 3D/4D operating environment, with smooth image rendering and manipulation speeding up workflow and eliminating frustrating time lag.





Premium Functionality

Combining a wide dynamic range with sophisticated image processing technology and automated diagnostic tools, the 'Prestige' delivers outstanding imaging performance and enhanced functionality. Whether for obstetric, gynecological, or general ultrasound applications, the 'Prestige' will help you to diagnose with increased accuracy and confidence.



Premium Class Probes

The 'Prestige' supports all-new linear, curved, phased array and 3D probes that deliver sharper, clearer images and increase diagnostic accuracy. While the dedicated diagnostic probes offer higher specification for improved image clarity, their more compact design and lighter weight allows users to access any areas easily and scan in greater comfort.

Extended and Automated Diagnostic Tools

DMR+™ (DynamicMR)

Designed to dramatically enrich grayscale resolution, DMR+™ (DynamicMR) enhances border detection and contrast resolution while decreasing speckle echoes. DMR+™ is particularly helpful when evaluating detailed obstetrical, pelvic and abdominal anatomy.



Fetal Heart with DMR+™

Auto IMT™

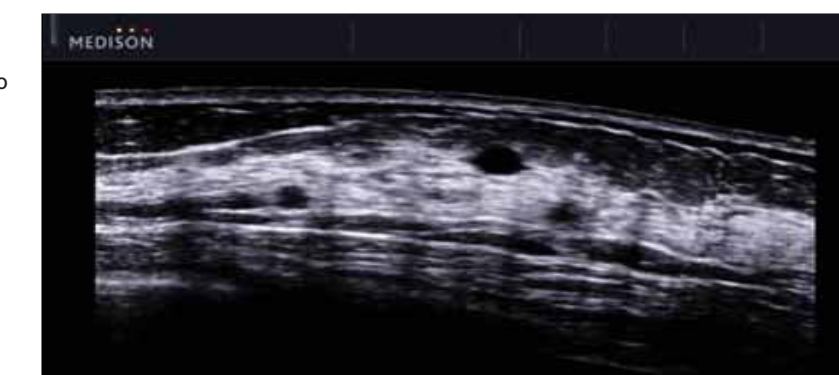
Auto IMT™ speeds up IMT measurement of the Common Carotid Artery for early diagnosis of increased risk of stroke and heart attack.



Auto IMT™

Panoramic Imaging

Panoramic Imaging allows you to examine extended scans as a single image by automatically displaying an extended field-of-view. Panoramic Imaging also supports angular scanning from convex and linear probe data acquisition.



Breast Cyst in Panoramic Imaging

Optimized Clinical Workflow

The 'Prestige' is designed for optimum user comfort and workflow efficiency. With a 19-inch fully articulated monitor and ergonomic control console, the 'Prestige' meets the needs of the most demanding users in a wide range of clinical environments. And its customizable functions, intuitive interface and powerful post analysis tools streamline workflow and data management.



... Premium Design Features

19-inch High-resolution, Flat Screen Monitor

The 'Prestige' features a 19-inch high-resolution flat screen monitor that lets you comfortably view images at maximum size and reduces eyestrain.

360° Articulated Monitor Arm

The fully articulated monitor arm makes it easy to view images from any angle, independent of the main console. It also offers maximum comfort and convenience of both users and patients at the bedside.

Ergonomic Control Panel

The ergonomic operating console of the 'Prestige' reduces user strain and speeds up workflow by grouping key functions within palm range.

Backlit Keyboard

The new backlit keyboard allows you to enter data quickly and accurately while viewing images under optimum low-light conditions.

Low Fan Noise

Featuring an improved cooling system, the 'Prestige' operates in near silence to provide a comfortable environment for users and patients alike.



Ergonomic Control Panel



Backlit Keyboard



Rear Handle



Front Handle

... Optimal Workflow and Post Analysis Tools

QuickScan™

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

Fully Customizable Functions

The 10-inch color touch-screen gives instant access to the fully customizable menus of the 'Prestige'—allowing you to easily organize and save data sets for individual operators or store and access preset examination parameters.

- Customize Measurement lets you group frequently used measurement

tools together for greater convenience and enhanced workflow.

- Customize Bodymarker lets you personalize Bodymarker tool grouping for easy access and a more efficient workflow.
- Two User Defined Keys on the console can be configured to give one-touch access to frequently used functions for a faster and more intuitive workflow.
- 3D Map puts the 3D desktop at your fingertips instantly with just one tap on the touch screen.

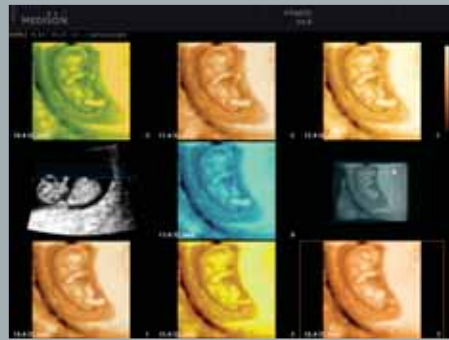
Post Analysis Tools

The 'Prestige' comes equipped with MEDISON's powerful SonoView™ software that offers maximum control

over post analysis of image data, measurement and annotation, backup, printing and export. The 'Prestige' is also fully DICOM compatible, enabling connection with PACS and other image management systems and letting you share information about examination scheduling and reporting.



Image Gallery



Fetus in Multi Volume Slice™



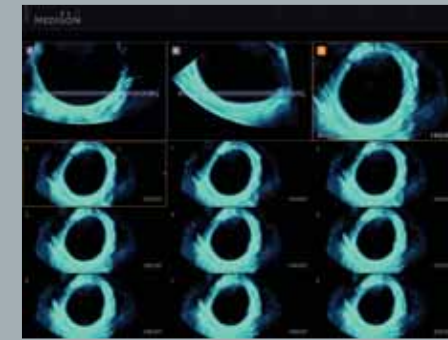
Cleft Palate in Multi Volume Slice™



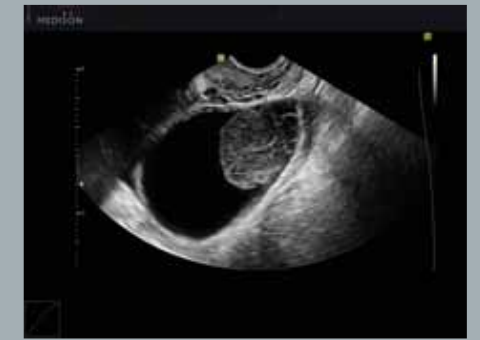
Fetal Leg in Mirror View™



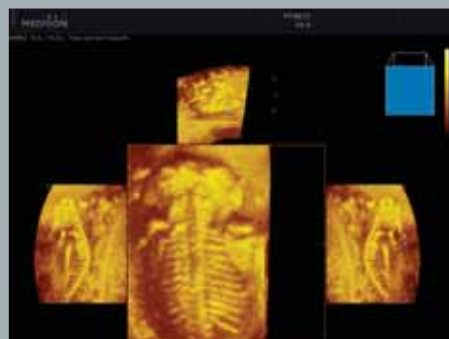
Pleural Effusion in X-ray Mode



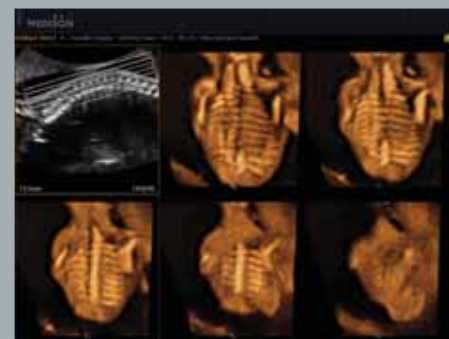
Ovary Cyst in MSV OH™



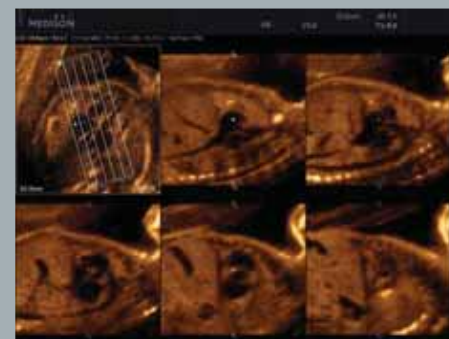
Ovarian Mass in 2D



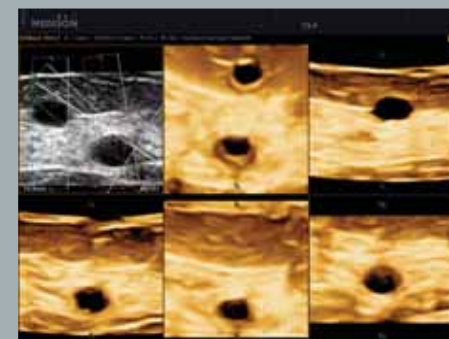
Anencephaly in Mirror View™



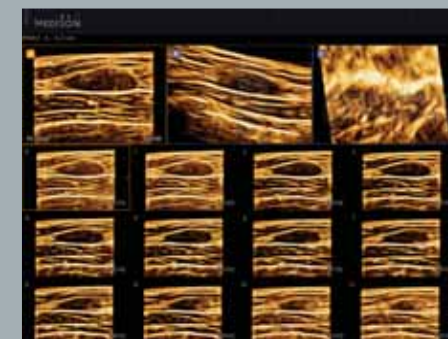
Fetal Spine in Multi-OVIX™



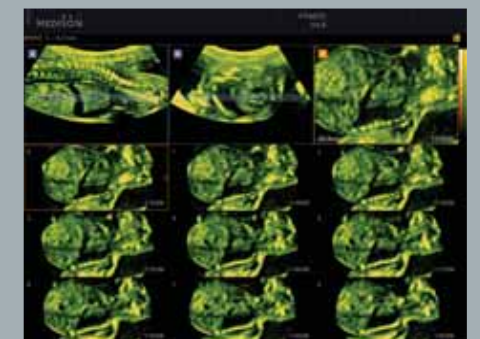
Fetal Heart in Multi-OVIX™



Breast Cyst in Multi-OVIX™



Benign Breast Tumor in MSV OH™



Pleural Effusion in MSV OH™



Fetus in 3D MPR View



Cleft Lip Palate



Omphalocele in 4D



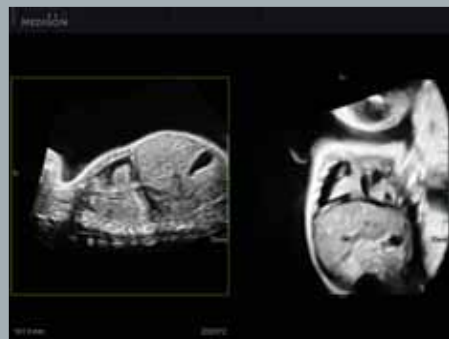
Fetal Brain in Power Doppler



Fetal HR in PW Doppler



Fetal Circulation in Color Doppler



Fetal Ascites in OVIX™



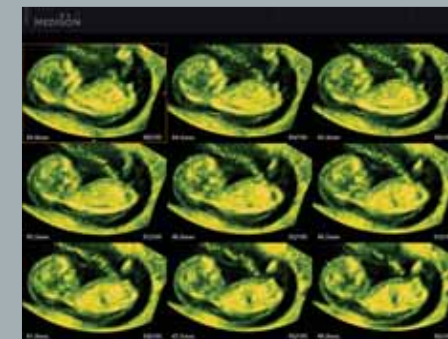
12-week Fetus in 2D



Aortic Arch in 2D



Fetal Heart in Color Doppler



Truner Syndrome MSV™



Fetal Profile in 2D