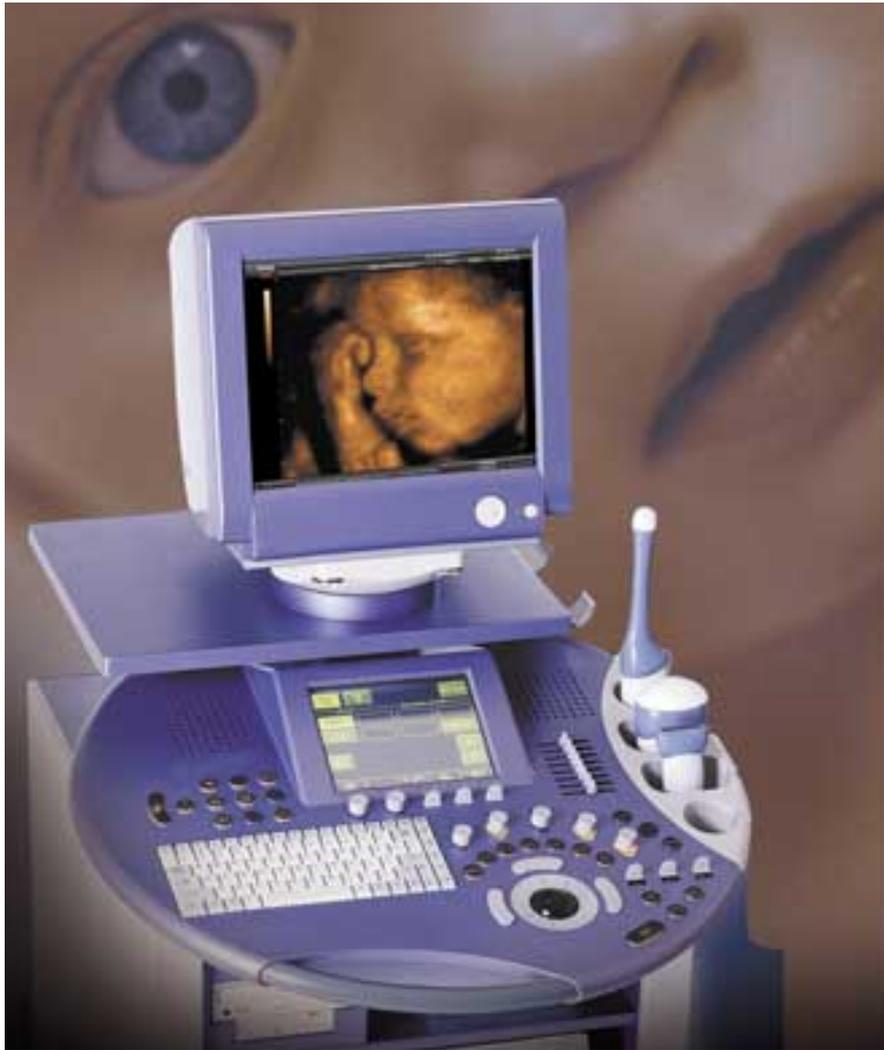


VOLUSON 730

Real-time 4D Ultrasound System



GE Medical Systems
Kretz Ultrasound

gemedical.com



Redefining ultrasound with real-time 4D imaging.

The GE Voluson 730 has real-time 4D imaging, a revolutionary new imaging technology.

3D imaging made easy:

- Superb acquisition ease with no external transducer movement
- Uniform, reproducible 3D images
- Multiplanar display: longitudinal, transverse and horizontal planes
- Instant image rendering and volumetric anatomical rotation
- Accurate, quantitative volume measurements
- Real-time 4D acquires up to 16 volumes per second

The GE Voluson 730, opening a new dimension in ultrasound imaging.

Ergonomically designed by Porsche™ Design. Collaboration with world-renowned Porsche designers produced a streamlined, easy-to-use ultrasound system that's uniquely designed for ultrasound users. Special intuitive features facilitate diagnoses and increase productivity.

VOLUSON 730

A new dimension in ultrasound imaging.

GE Medical Systems' commitment to the future of ultrasound imaging is clearer than ever. GE's recent acquisition of Kretztechnik is a credit to this commitment. By working together, GE and Kretz will have the technological leadership and imaging expertise to lead ultrasound into the future.

Introducing the new GE Voluson 730 Ultrasound System, a technologically advanced system that features exclusive real-time 4D imaging. The result: An excellent view of human anatomy for physicians, sonographers and patients.

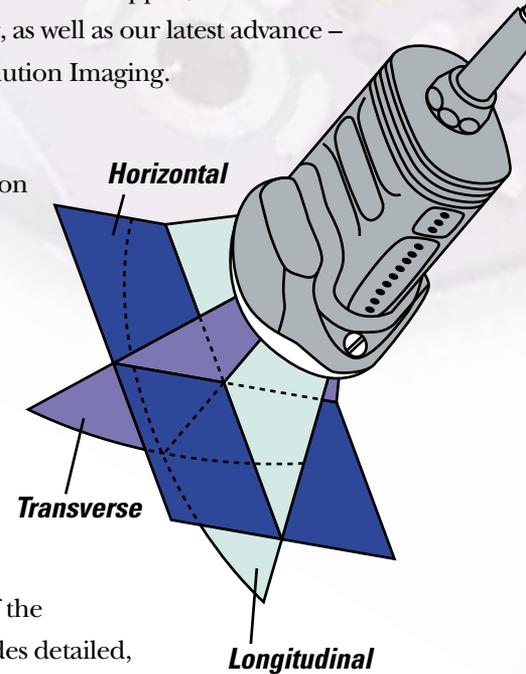


Premium 2D, World-renowned 3D, Exclusive 4D

The Voluson 730 utilizes advanced signal processing for high-resolution 2D, volumetric 3D and real-time 4D imaging. Image quality is further enhanced with tissue harmonic imaging, spectral, power and color Doppler, and Volume Contrast Imaging, as well as our latest advance – Compound Resolution Imaging.

3D made easy

The GE Voluson 730 features a beamformer that processes more data than conventional ultrasound systems. This significantly increases the dynamic range of the system and provides detailed, high-quality images.



Unlike conventional ultrasound systems, the Voluson 730 gathers three-dimensional cubes or voxels of image data as opposed to two-dimensional pixels. This allows clinicians to visualize three image planes simultaneously:

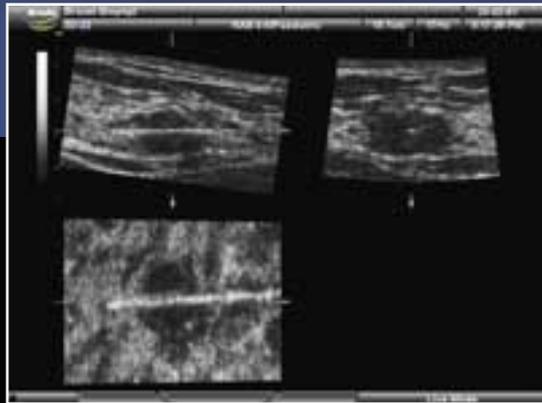
- Transverse
- Longitudinal
- Horizontal

Because no external transducer movement is required to gather 3D volume data, the results are uniform, reproducible and can supply volumetric measurements.

Real-time 4D Interventional

Facilitates biopsies. Visualization in all directions.

- Freehand and guided biopsies
- Simultaneous multiplanar slice view
- Volume rendered view of lesion and needle
- Real-time needle visualization



Breast Lesion

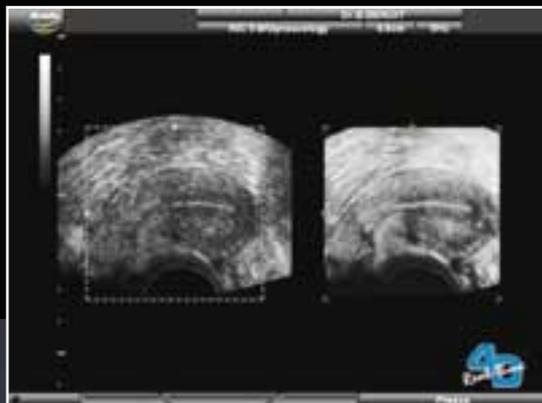
"Glass Body" Rendering

Visualize transparent tissue and color vessel information.

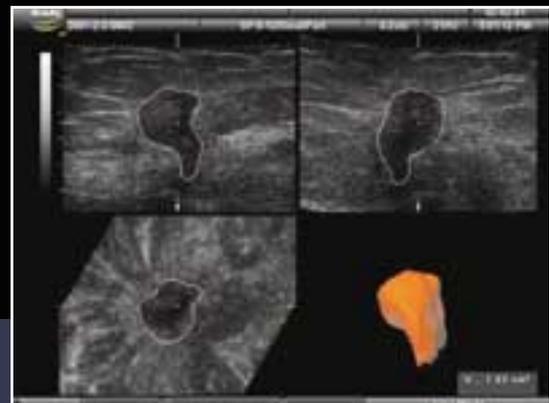
- Useful for angio volumes, tumor blood supply and vessel distribution
- Also aids in establishing anatomical frame of reference



Fetal Circle of Willis



Uterus



Volume Rendering of Breast Mass

4D Volume Contrast Imaging

Enhanced contrast resolution.

- Transducer automatically scans multiple adjacent slices
- Provides real-time display of region of interest
- Enhances contrast for visualization of diffuse lesions

VOCAL

Accurate volume measurements.

- Calculation of volumetric image data
- Quantitative evaluation of blood supply

Compound Resolution Imaging (CRI)

Enhanced contrast resolution. Clear tissue differentiation.

- Beams transmitted perpendicularly and obliquely to acoustic window
- 3-9 beams correlated to form single image line



Breast

3D Multiplanar Display

Visualization of horizontal plane. More information for the clinician.

- New anatomical information in horizontal plane
- 3 planes: transverse, longitudinal and horizontal



Fetal Posterior Thorax



Fetal 3D Rendering



Fetal Vasculature

3D Surface Rendering

Real-time anatomical surface information.

- Improved depiction of anatomic anomalies
- Tool for patient communication, visualization

3D Power Doppler

3D visualization of vascularity.

- Lesions and vascular structures visualized
- 3D for new level of analysis



A family of comprehensive ultrasound solutions.

The new Voluson 730 is just one more example of the breakthroughs evolving annually from the scientists, engineers and sonographers at GE Medical Systems' Ultrasound business – breakthroughs designed to provide you with superb image quality, clinical utility and department-wide productivity.

And like our other imaging systems, it is backed by complete GE support, from financing to service to training and continuing education. With GE, you have the security of knowing that your system is the product of Six Sigma strategies, a philosophy of achieving world-class performance by meeting our customers' most exacting standards of quality.

Investment security

GE Medical Systems is a world leader in diagnostic imaging products and support. For more than 100 years, healthcare providers worldwide have relied on GE for high-quality imaging technology, services and productivity solutions. No matter what challenges your healthcare system faces, you can always count on GE to help you deliver care of the highest quality.

Ask your GE representative or visit our Web site for details today.



GE Medical Systems
We bring good things to life.

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