

# ME8

## Ultrasound System



# Thin. Light. Powerful.

## Your passion. Our vision.

The ME8 Ultrasound System has been thoughtfully designed to overcome the obstacles clinicians face in today's challenging healthcare environment. With a sealed user interface and revolutionary, software-based beamformer technology, the ME8 Ultrasound System combines best-in-class image quality with an intuitive user experience to help ensure reliable and efficient diagnosis during the most challenging exams.

With a weight and thickness of just 6.6 lbs and 1.7 in, respectively, the ME8 System's main unit is one of the lightest and thinnest laptop ultrasound machines in the industry; and the Magnesium Alloy shell makes this System ideal for withstanding any environment. In addition, this compact, durable, and powerful System houses advanced hardware built to maximize performance in all applications.

Since its founding, Mindray has been dedicated to developing innovative and accessible ultrasound solutions for the point of care environment. It is this commitment to excellence that has brought you ZONE Sonography® Technology+ (ZST+), evolving industrial designs, and comprehensive disinfection solutions.

mindray



# Versatile Solution

## Critical Care

Critical Care clinicians require extreme versatility in their ultrasound solutions. The ME8 System has exceptional cardiac imaging and advanced analysis tools that, when combined with its durable and portable design, make it ideal for the Critical Care environment.

## Emergency Medicine

The ME8 Ultrasound System is designed to overcome barriers frequently encountered in the Emergency Department. The Machine's intuitive user interface (UI), extended battery life, and efficient protocol-based workflow make it ideal for rapid assessments anytime and anywhere in the department.

## Anesthesia

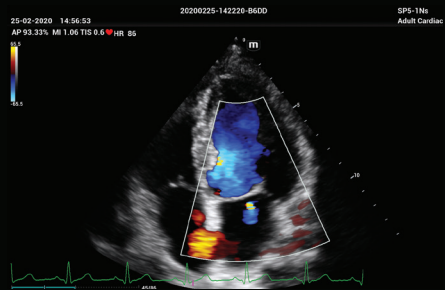
Ultrasound-guided procedures can help improve efficiency and safety by providing real-time feedback. With applications specially designed for Anesthesia, the ME8 System helps improve daily workflow and accuracy of needle-guided procedures. The 4D magnetic needle navigation technology and perioperative hemodynamic solutions help Anesthesiologists monitor, treat, and evaluate with confidence and ease.

## Interventional Procedures

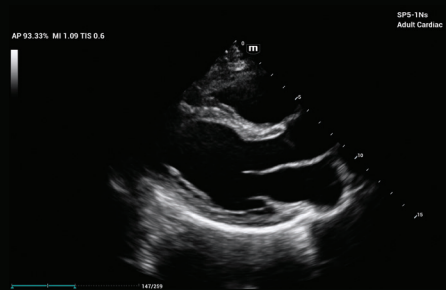
Whether for a biopsy, vascular access, or any application in-between, the ME8 Ultrasound Machine's image quality, thoughtful disinfection capabilities, and hands-free design make it the ideal solution for ultrasound-guided interventional procedures.



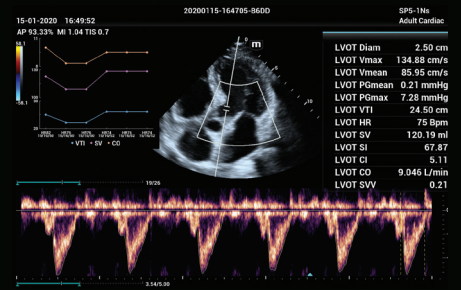
# Phased



Apical 4 Chamber

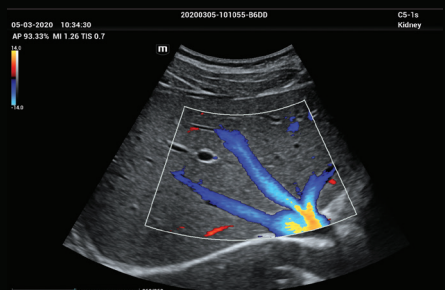


Parasternal Long Axis

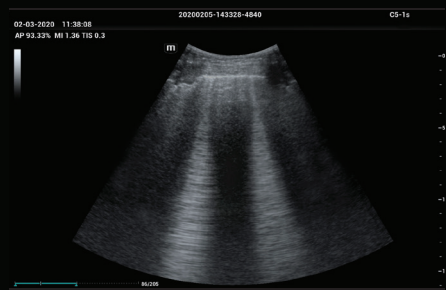


Apical 5 Chamber

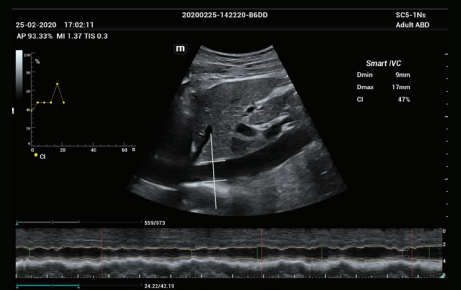
# Curved



Liver

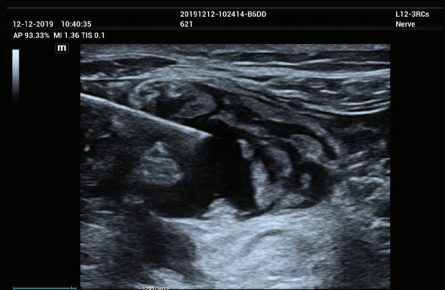


Lung

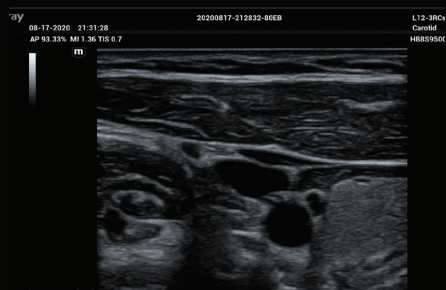


Inferior Vena Cava

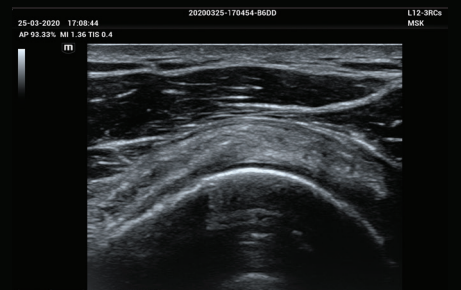
# Linear



Brachial Plexus



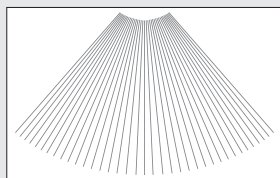
Jugular Vein



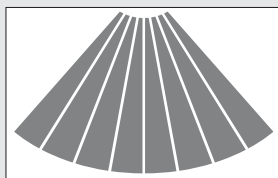
Rotator Cuff

# Leading Design

- 1 15.6" LED monitor provides superior contrast resolution and improved visualization
- 2 Seamless design control panel for enhanced fluid resistance and ease of disinfection
- 3 Touch interface with multi-gesture support for exceptional usability and utility
- 4 Vertical cable routing prevents dragging and cable fatigue
- 5 U-bank battery companion supports up to eight hours of continuous scanning
- 6 Three storage baskets for expanded utility and practicality
- 7 Retractable cord to help prevent tripping hazards and contamination



Traditional beamforming  
(Line by line)



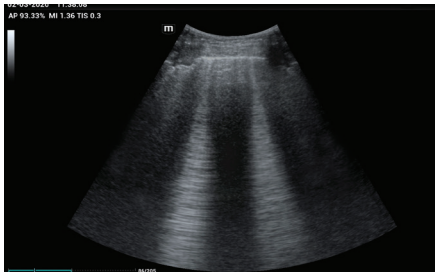
ZST+  
(Large ZONES of data)

## ZONE Sonography® Technology<sup>+</sup>

The industry's first virtual beamforming architecture, ZONE Sonography Technology<sup>+</sup> creates a perfectly focused image every pixel, every frame, every time, from skin line to deepest depths. The ME8 Ultrasound Machine is the first-ever laptop-based system to be powered by ZST<sup>+</sup>, providing mobility and reliability in an extraordinarily compact design.

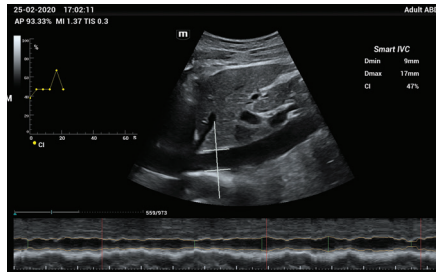
# Technology

## AI Powered Smart Tools for Fluid Management



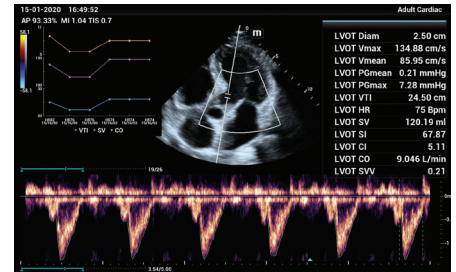
### Smart B-Line

Automated counting of the number of B-Lines and percentage of area of B-Lines according to user-selected protocols, making for rapid assessment of lung tissue.



### Smart IVC

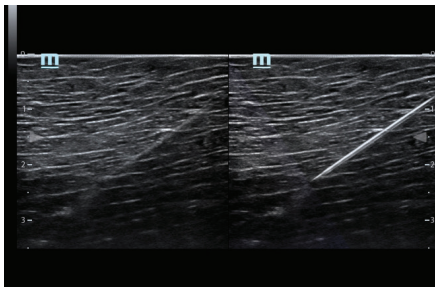
Automated measurement of Inferior Vena Cava (IVC), helps assess volume status and guides the fluid management.



### Smart VTI

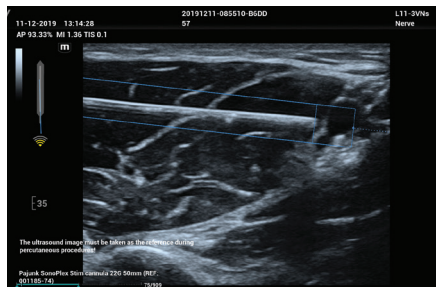
Automated measurement of the Velocity Time Integral (VTI) and Cardiac Output (CO) enables rapid assessment of cardiac function.

## Needle Guidance



### iNeedle+

Our second-generation iNeedle+ technology automatically detects needle angle and improves visibility on both linear and convex transducers during interventional procedures.



### eSpatial Navi™

4D magnetic needle navigation technology delivers enhanced needle visualization and location during in-plane or out-of-plane procedures for improved physician confidence and patient safety during interventional procedures.



# eXtraordinary Value

## Industry's Best Investment Protection and Total Cost of Ownership

### Living Technology™

Living Technology is a continually evolving software-based approach to providing our customers with easily upgradeable enhancements made possible by our core imaging technologies. These upgrades secure product investment protection by ensuring that Mindray Ultrasound Systems remain at the cutting-edge of imaging performance excellence throughout their entire life cycle.

### Standard five year warranty\* includes:

- Five year coverage on main system and parts, and technical phone support Monday-Friday, 8 am–8 pm ET (excluding U.S. holidays)
- Five year coverage on standard transducers (normal wear and failure)
- One year coverage on specialty transducers including, but not limited to, TEE and 4D transducers
- Five year software performance updates with Living Technology™

\* Standard five year warranty is available for systems purchased directly from Mindray North America. Warranties for systems purchased from Mindray authorized agents can vary.

\*\* Upgrades, such as new application packages and hardware, are optional purchases.



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healthcare within reach