

**TEX 20 series**  
Diagnostic Ultrasound System

Point of Care, Reimagined



Inspired by the increasing clinical demands, the **TEX** 20 series adopts advanced technologies and transforms them into accessible innovation, bringing truly patient-centered solution for you. As the ultrasound assistant for diagnosis and treatment, the **TEX** 20 series helps you reimagine the clinical practice, especially the most critical situations of emergency and critical care. With its patient-centered information solution, extreme clarity, clinical-oriented workflow, intelligent tools and thoughtful industry design, the **TEX** 20 series helps you to provide the highest quality of service at any point of care, more than your expectation.

● **Confident diagnosis and treatment**

The revolutionary ZST+ platform elevates ultrasound image clarity to a higher level and provides excellent balance for spatial and temporal resolution, and tissue uniformity, supporting clinical confidence.

● **Reliable decision making**

The **TEX** 20 series redefines the point of care ultrasound, truly closing to the clinical requirements by unprecedented X-Link technology. X-Link integrates ultrasound image and physio signals synchronously, and facilitates the patient's condition review by course of disease, further comprehensive, multi-dimensional analysis for decision-making.

● **Quick & precise assessment and guidance**

Incorporating a suite of smart tools, such as AutoEF Plus for systolic function evaluation, Auto DFR for diastolic function evaluation, Smart Echovue for echo view recognition and guidance, Smart VTI/IVC/B-line for body fluid management, Smart nerve for nerve recognition and enhancement, the **TEX** 20 series offers an efficient and reliable way to face the challenges in diverse settings.

● **Refreshing experience**

The 23.8" touch screen is rotatable and slidable to meet the need in variable scenarios. No matter for spectacular landscapes or stunning portraits, you can see the images with super clarity from distance. The wireless transducer, wireless charge and wireless voice control let you handle the tasks with great ease.

## Information Integration Improving Decision-making

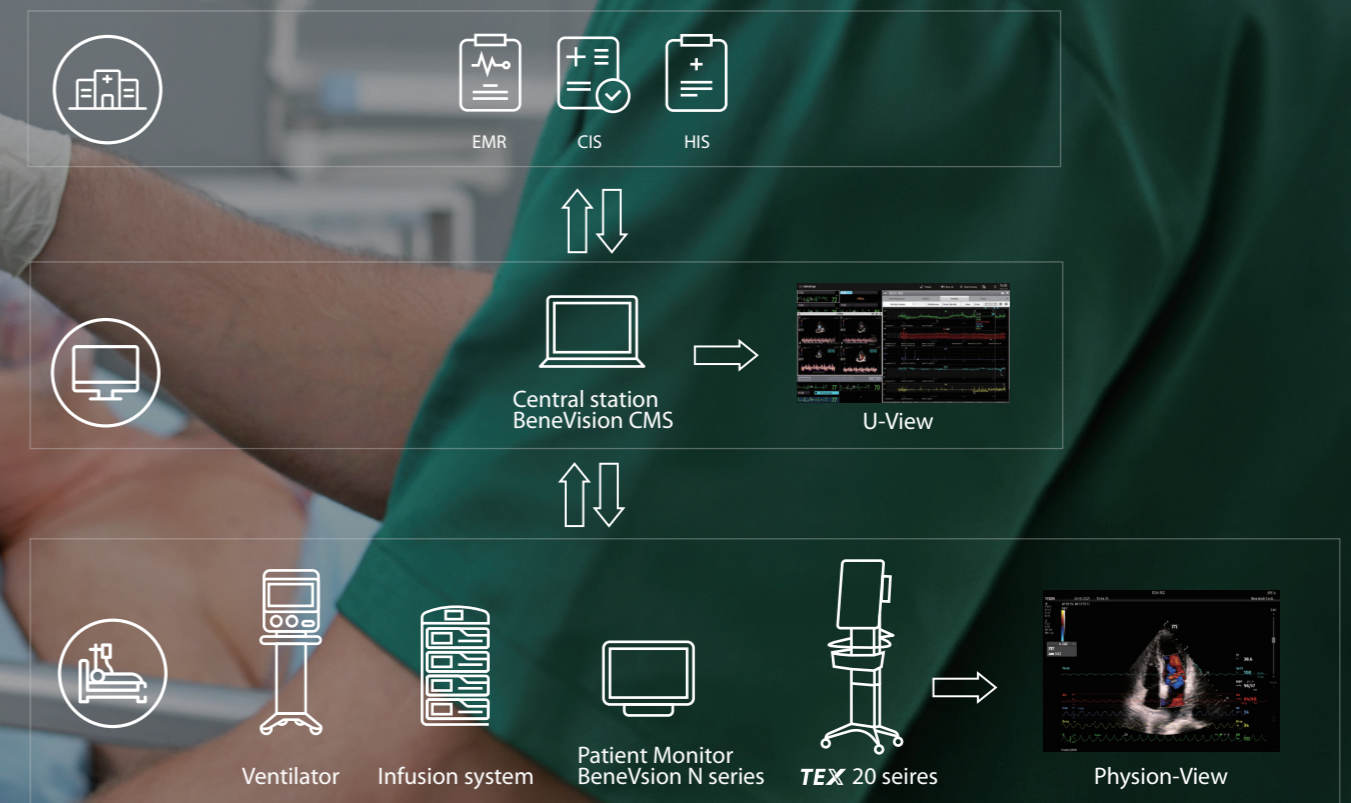
Ultrasound image and physio signal are both important dynamic evaluation data, to provide timely and accurate guidance for patient diagnosis and treatment. With deep insight into clinical needs, the **TEX** 20 series is clinical-oriented designed to deliver integrated imaging and physio information for review, trend analysis, daily work facilitation, and further a multi-parameter correlation research platform by X-Link. Based on revolutionary information integrating technology, the Physio-View on Ultrasound and the U-View on Central Station bring unlimited possibilities for you.

**U-View**

Embed ultrasound images, measurement data and reports into Central Station, offering historic data for course reviewing and trend analyzing, to assess patient's disease effectively.

**Physio-View**

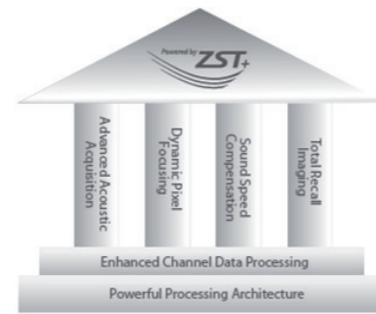
Retrieve physio signals from Patient Monitor system, and display overlapping with ultrasound image simultaneously in live and freeze image, supporting for multi-dimensional analysis.



# Enhanced clinical confidence powered by ZST<sup>+</sup>

The **TEX** 20 series is embedded with the most innovative ultrasound platform, ZONE Sonography® Technology (ZST<sup>+</sup>), delivering exceptional image quality for enhanced clinical confidence.

Equipped with Mindray's 3T technology (Triple-matching layers, Total-cut design, Thermal control), **TEX** 20 series offers a full suite of transducers for a wide variety of applications, including convex, linear, phased array, endocavity, TEE and cutting-edge wireless transducer. The single crystal (phased array and convex) transducers provide a wider bandwidth to simultaneously offer better penetration and higher resolution, resulting in an optimal solution for technically difficult patients.



## Clinical application-oriented workflow

Based on up-to-date clinical protocols, the application pilot integrates diagnostic information together, e.g. historic diagnostic image information, multi-organ information and integration summary, helping to recognize abnormality and support clinical decision-making strictly following guide, conveniently and rapidly.

### Shock Application Pilot

Help to identify Shock type, in accordance with RUSH, FALLS and GDE protocols.

### Respiration Application Pilot

Help to evaluation the lung situation and function, in accordance with BLUE protocol.

### Trauma Application Pilot

Help to find free fluid in the thorax, pericardium, abdomen and pelvic cavity, a quick FAST/eFAST guide.

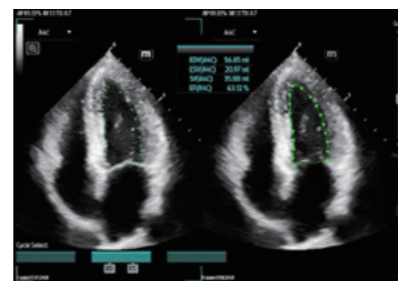


Summary of Shock Application Pilot

## Empowering capabilities with intelligent tools

### AutoEF Plus

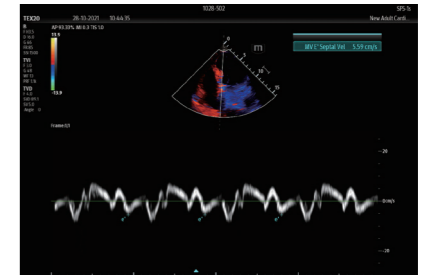
An efficient way to analyze 2D echo in real-time to automatically recognize the frame of diastole/systole time phase, and provides EDV/ESV/EF calculation results by the Simpson method automatically.



AutoEF Plus

### Auto DFR (Auto Diastolic Function Ratio)

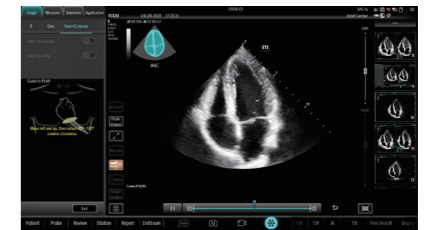
This smart tool evaluates diastolic function with automated measurements, enabling efficient and effective diagnostic workflow. Auto DFR will calculate the frequently used index automatically, making the evaluation of diastolic functions faster and effortlessly



Auto DFR

### Smart Echovue

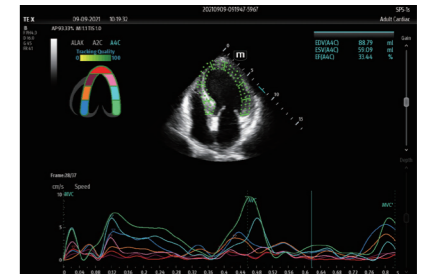
Automatic cardiac plane recognition and scanning guidance. Smart Echovue automatically recognizes the standard cardiac view, captures images/clips, and guides to next scanning, helping standardize the quality of exam.



Smart Echovue

### Smart TTQA

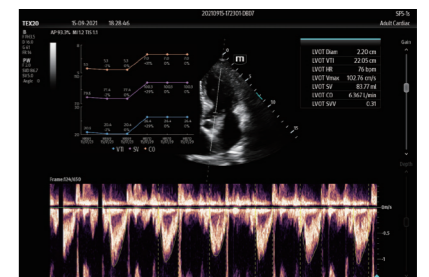
Automatic Tissue Tracking with Quantitative Analysis. Smart TTQA automatically recognizes cardiac plane and locate the endocardium, tracks the continuous contraction of the ventricular wall, and displays the mechanical changes of each segment of the left ventricle, offering accurate and effective evaluation of myocardial motion.



Smart TTQA

### Smart Fluid Management

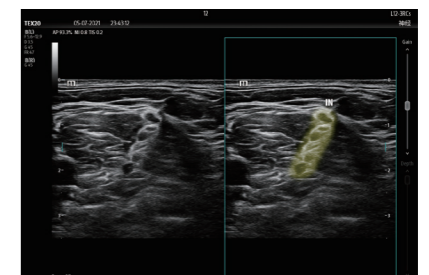
- Smart VTI: Automatically calculate the VTI (Velocity Time Integral), CO (Cardiac Output) and SVV (Stroke Volume Variation)
- Smart IVC: Automatically trace the IVC diameter change, and calculate the CI (Collapsibility Index) or DI (Distensibility Index) and IVC Variation
- Smart B-line: Automatically calculate B-lines number, area ratio and distance



Smart VTI with trend curve

### Smart Nerve

This smart tool can automatically recognize brachial plexus, and enhance the nerve image quality, greatly enhancing clinical confidence in Nerve Block



Smart Nerve

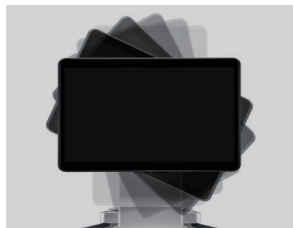
# Expanded scenarios with wireless solution

Mindray is committed to making quality healthcare more accessible. Adhering to this concept, the **TEX 20** series delivers full set of wireless solution to make medical practice more efficient in the fast-paced, demanding environment, including wireless transducer, wireless charging, wireless voice control and wireless IT solution.

The i3P wireless phased array features small size, light weight, fast charging capability, enabling ultrasound imaging easier. The powerful inner core and ZST+ platform let you diagnose and treat confidently with clarity image and advanced analysis tools. Tough and reliable IP68 waterproof rating for immersion disinfection and effectively infection preventing.



# Experience reinvented



23.8" rotatable full touch screen, super clarity in landscape or portrait as your needs



Wireless voice control (iVocal Plus) for hands-free operation



Flexible storage design: Wireless transducer charger / Lockable storage basket / Towelette holster



Wireless charger for charging without bending



Sealed interface for fluid resistance and ease of disinfection

4 active transducer connectors

Retractable cord to reduce tripping hazards and contamination

