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# TEX20 series

Diagnostic Ultrasound System

# Point of Care, Reimagined

Powered by ZST+





www.mindray.com

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healthcare within reach

Inspired by the increasing clinical demands of today's challenging healthcare environments, the ***TEX20*** series adopts advanced technologies and integrates them into an accessible, patient-centered solution. This new and innovative solution helps clinicians reimagine their clinical practice in the demanding environments like critical care and emergency medicine. With its patient-centered information solution, extreme image clarity, clinical-oriented workflow, smart tools and thoughtful design, the ***TEX20*** series helps you to provide a higher quality of service at any point of care.

### Confident diagnosis and treatment

The revolutionary ZST+ platform provides market leading ultrasound image clarity that allows for an excellent balance of spatial and temporal resolution, and image uniformity, thus supporting increased clinical confidence.

### Reliable decision making

Mindray's groundbreaking X-Link solution assists in improving clinical decision making by integrating the ultrasound image and the patient physiological information seamlessly. This leads to a more efficient and comprehensive view of the patient's status thus improving clinical decision making and elevating patient outcomes.

### Quick & precise assessment and guidance

Incorporating a full suite of Smart Tools, such as AutoEF Plus for systolic function evaluation, Auto DFR for diastolic function evaluation, Smart Echovue for cardiac view recognition and guidance, Smart VTI/IVC/B-line for fluid management, the ***TEX20*** series offers an efficient and reliable way to face the challenges in point of care settings.

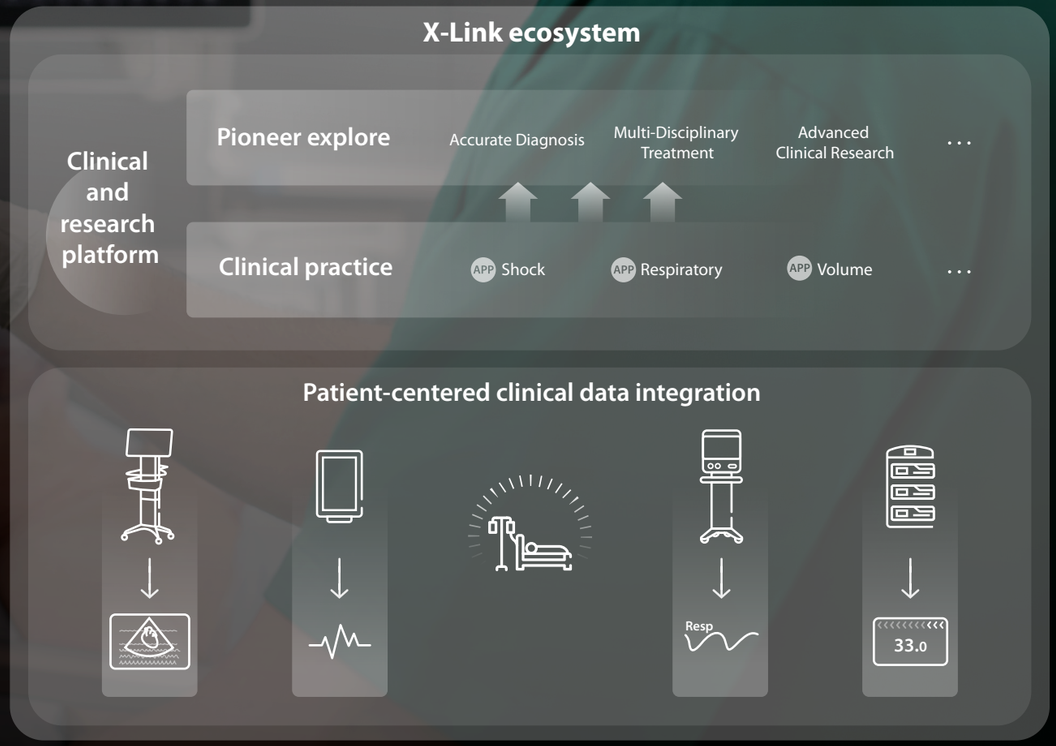
### Refreshing experience

To further enhance workflow and then elevate the user experience, the ***TEX20*** series incorporates wireless transducer, wireless charging station and wireless voice control, thus untethering the user from the typical constraints experienced with conventional systems.

## Information Integration Improving Decision-making

Types of bedside equipment provide various physiological information, including ultrasound imaging, ECG signals, and respiratory signals etc. The X-Link integrates these data and offers a brand new view on patient's course of disease. It not only brings high-quality clinical value and accurate diagnosis to your daily practice, but also facilitates Multi-Disciplinary Treatment (MDT) and more advanced multi-modal clinical research.

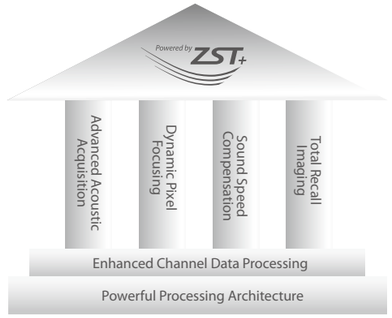
With the Physio-View on X-Link, ECG and other physiological waves can be viewed overlaying on the ultrasound image for immediate decision making. While with U-View on X-Link, the ultrasound image and other physiological information can be integrated to Central Station for a general review. This solution brings you the unprecedented tool to achieve a higher level of diagnostic bedside care and scientific research.



# Enhanced clinical confidence powered by ZST+

The ***TEX20*** series is embedded with the innovative ultrasound platform, ZONE Sonography® Technology (ZST+), delivering exceptional image quality for enhanced clinical confidence.

Equipped with Mindray's 3T technology (Triple-matching layers, Total-cut design, Thermal control), ***TEX20*** 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 ideal solution for technically difficult patients.




# X-Pilot: Clinical application-oriented workflow

Based on the professional society guidelines for point of care ultrasound, the X-Pilot suite integrates historical diagnostic images and multi-organ data and summarizes the information into a concise and precise view of the patient status to support rapid clinical decisions at the bedside.

## Application - Shock

Assists identifying shock type, in accordance with RUSH, FALLS and GDE protocols.

## Application - Respiration

Helps in the evaluation of acute respiratory distress, in accordance with BLUE protocol.

## Application - Trauma

Assists in finding free fluid in the thorax, pericardium, abdomen and pelvic cavity, to help expedite FAST and eFAST exams.

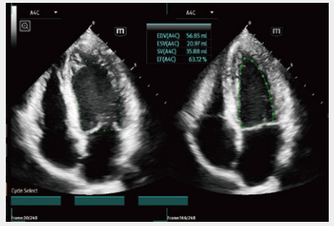



Summary of Shock Application Pilot

# Empowering capabilities with smart tools

## AutoEF Plus

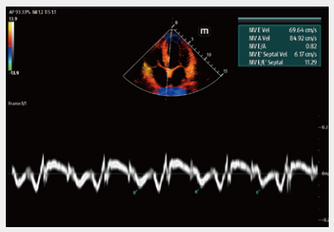
An efficient way to analyze 2D echo in real-time to automatically recognize and trace endocardium, and provide EDV/ESV/EF calculation results by the Simpson method.



AutoEF Plus

## Auto DFR (Auto Diastolic Function Ratio)

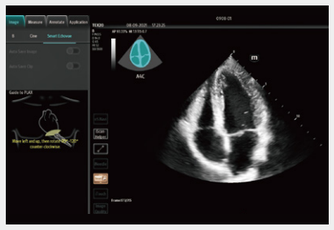
This smart tool will calculate the frequently used indices E/A, E/E' automatically, making the evaluation of diastolic function faster and more effortless.



Auto DFR

## Smart Echovue

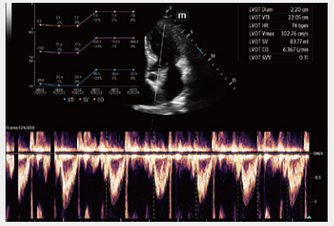
Automatic cardiac plane recognition and scanning guidance. Smart Echovue automatically recognizes the standard cardiac view, captures images/clips, and guides to next scanning plane, helping standardize the quality of examination.



Smart Echovue

## Smart Fluid Management

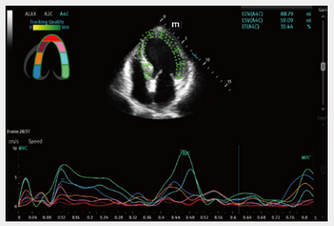
- Smart VTI: Automatically calculates the VTI (Velocity Time Integral), CO (Cardiac Output) and SVV (Stroke Volume Variation)
- Smart IVC: Automatically traces the IVC diameter change, and calculates the CI (Collapsibility Index) or DI (Distensibility Index) and IVC Variation
- Smart B-line: Automatically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



Smart VTI with trend curve

## Smart TTQA

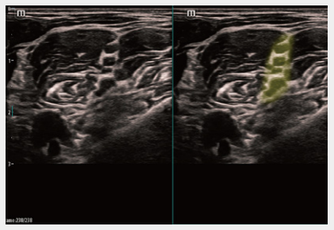
Smart TTQA automatically recognizes cardiac plane, locates the endocardium and tracks the continuous contraction of the ventricular wall and then displays the mechanical changes of each segment of the left ventricle, offering accurate and effective evaluation of myocardial motion.



Smart TTQA

## Smart Nerve

This smart tool can automatically recognize the brachial plexus and highlight the nerve, leading to increased clinical confidence and decreasing procedure time during the nerve block.



Smart Nerve

# Expanded scenarios with wireless solution

Mindray is dedicated to making quality healthcare more accessible. Adhering to this concept, the ***TEX20*** series delivers a full set of wireless solutions to make your practice more efficient in fast-paced, demanding clinical environments. Those solutions include a wireless transducer, wireless charging station, and wireless voice control. The wireless phased array transducer, the i3P, has a small footprint, is light weight, and charges quickly, thus providing an excellent user experience. The powerful inner core allows you to diagnose and treat confidently with market leading image quality and advanced analysis tools. With infection control at the top of mind, the i3P transducer has an IP68 waterproof rating, so that can be fully immersed during the disinfection process.



# Experience reinvented



23.8" rotatable full-touch HD screen allows for both landscape and portrait display to meet the needs of various clinical scenarios



Sealed interface for fluid resistance and ease of disinfection



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




4 active transducer connectors

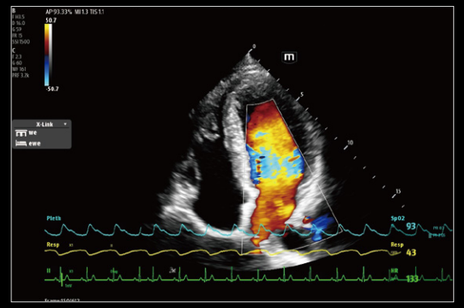


Flexible storage design: Wireless transducer charger / Lockable storage basket / Towelette holster



Wireless charging station

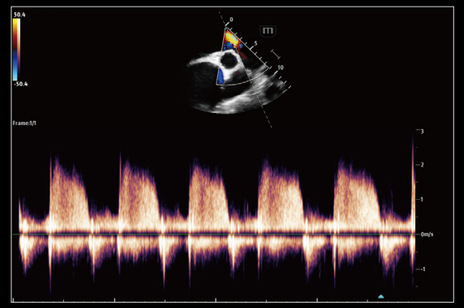
Retractable cord to reduce tripping hazards and contamination concerns



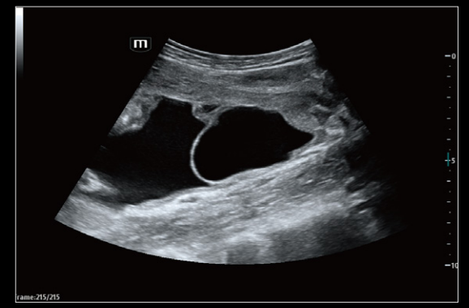
X-Link: Physio-View on Ultrasound



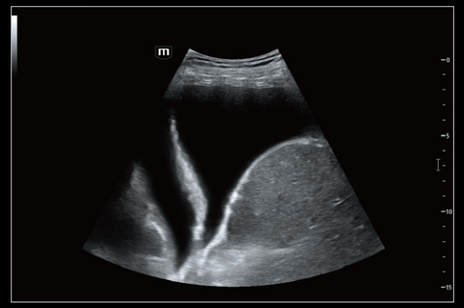
X-Link: U-View on Central Station



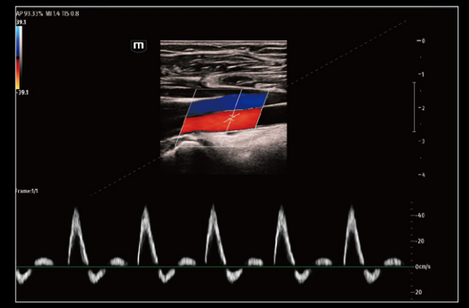
Cardiac Pulmonary Regurgitation



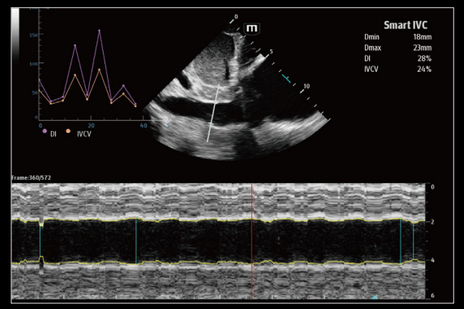
Ascites



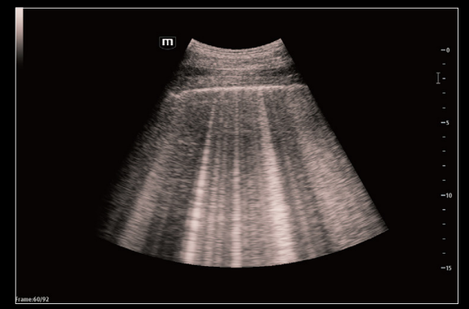
Pleural Effusion



Popliteal Artery Flow




Smart IVC



Lung B-lines