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TE7

Diagnostic Ultrasound System

Dedicated Solution for the Pioneer of Care

Simple | Smart | Focused

www.mindray.com

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healthcare within reach

Striving for better patient care, and seeking out the best solution for rapid decisions is essential for clinicians.With a complete disinfection solution, safe needling features and superior quality imaging, the Mindray TE7 Touch Screen Ultrasound System is designed for the Pioneer of Care. Ready for care anytime and easy to learn and use, it can aid clinicians in confidently facing the challenges of high quality medical services.

Easy to Learn and Use

The TE7 streamlines the scanning process with an intuitive gesture-enabled screen. No complicated keyboard or complex controls to learn, exam presets and relevant functions are easily accessible.

Touch Enabled Response

State-of-the-art fingertip operation: tap to open or close functions, drag to adjust parameters and move objects, pinch to zoom in or out, slide for multi-selection, and swipe to expand the imaging area, even with your gloves on – providing simple control and setting optimization at the touch of a finger.

Customizable Layout

Most frequently used ultrasound functions are constantly displayed on the top half of the screen. Advanced functions and features can be easily defined by you, and just a 'touch away'.

Complete Disinfection Solution

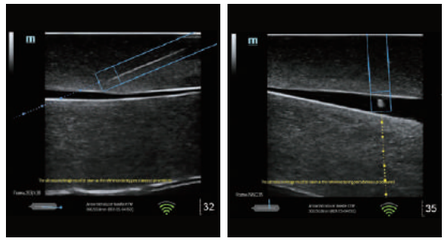
Based on Mindray's consistent emphasis on rigorous testing, the TE7 provides the highest standard disinfection solution with a special optimized design, high chemical resistance, and a wide range of disinfectants. The seamless and non-porous touch screen is easily disinfected, with a 10-second screen locking feature for cleaning even during exams. Both the main unit and transducers of the TE7 can be thoroughly cleaned and disinfected to reach disinfection standards in various countries, including Europe and North America.

Safe Needling Features

Using ultrasound guidance to visualize the needle during procedures is a smart choice for the Pioneer. The TE7 delivers the most advanced solutions for better identifying the needle track and needle tip, such as eSpacial Navi™ and iNeedle+™, to improve safety and efficiency. The linear transducer with programmable buttons and iVocal are designed to simplify needle-guided procedures by a single operator.

eSpacial Navi™ : 4D magnetic needle navigation technology

With eSpacial Navi™, TE7 guides you to better visualize the needle adaptively during either In-Plane or Out-of- Plane procedures. The position of the tip and the alignment of the needle now are simply identified, allowing you to plan the needle trajectory before puncturing and guiding you to the target safer and easier.

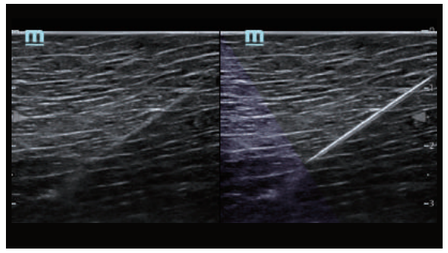


In-Plane procedure

Out-of-Plane procedure

iNeedle+™: Optimal needle visualization

The advanced needle visualization of iNeedle+™ is available for linear and convex transducers. This technology can greatly improve the needle display during In-Plane approach. The intelligent algorithm can automatically track the needle angle and optimize the ultrasound beam accurately by degree for optimum image quality, compared with normal visualization technology.



iNeedle+ off

iNeedle+ on

Transducer with Programmable Buttons

The L12-3RCs with 3 programmable buttons ensures simple, fast, and convenient control without touching the system, letting you focus more on patient care. The optimally positioned keys can be defined as depth & gain adjustment, freeze & unfreeze, save image & cine, and more.

iVocal: Innovative voice command function

Based on Artificial Intelligence voice recognition technology, iVocal allows you to remotely control the system by simple yet extensive voice commands through a wireless microphone, further enhancing your comfort and ergonomics during the entire procedure.

Ready for Care Anytime

With the most considerate design for the Pioneer of Care, the TE7 can fit your clinical requirements from head to toe. It can be mounted on an ergonomic cart, as well as mounted on a desktop stand or a wall mount for a wide viewing angle. The slim profile makes transport and storage easy. With a unique retractable power cable and built-in battery, the TE7 is always ready for the point-of-care ultrasound environment.

- 3 second boot up from standby with one touch
- 3 transducer connectors for various exam types
- More than 2 hours real-time scanning with built-in battery
- Built-in Wi-Fi with hotspot
- Unique cable management to avoid wheel rolling compaction
- Retractable power cable design

Superior Quality Imaging

Rapid and accurate ultrasound scanning is always a key element for point-of-care. Based on cutting-edge technology, the TE7 provides superior quality imaging for focused applications in anesthesia, pain management, emergency medicine, critical care, and musculoskeletal examinations.

Complete Transducer Solution

Equipped with Mindray's exclusive 3T (Triple-matching layers, Total-cut design, Thermal control) and ComboWave transducer technology, the TE7 offers a full suite of transducers, including convex, linear, phased array, endocavity, intraoperative, and TEE for a wide variety of applications.

Premium Performance for Superficial

The TE7 allows you to experience outstanding performance with excellent image resolution and uniformity of both the nerve structure and the needle. With a linear transducer up to 20MHz, the TE7 ensures crystal-clear imaging of superficial structures.

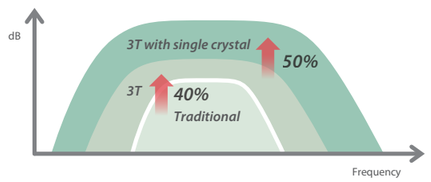
One-transducer Solution for FAST Scanning

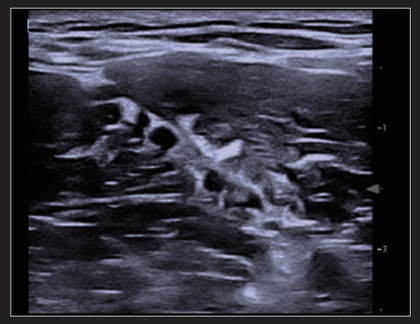
The combination of high penetration, small footprint, curved shape, and excellent image quality, makes the C4-1s the only one-transducer solution for FAST scanning in the market. It also supports multiple imaging modes, including CW, for both abdominal and cardiac exams.

High penetration with 40cm by C4-1s

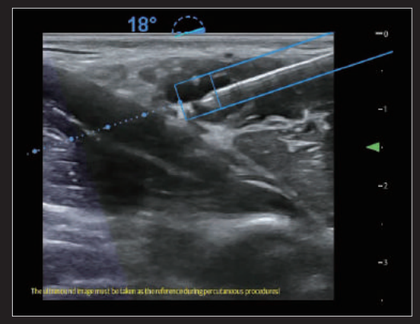
Excellent Cardiac Imaging with Single Crystal

Based on single crystal with 3T technology, the SP5-1s provides a wider bandwidth to simultaneously offer better penetration and higher resolution, resulting in an optimal scanning solution for technically difficult patients.



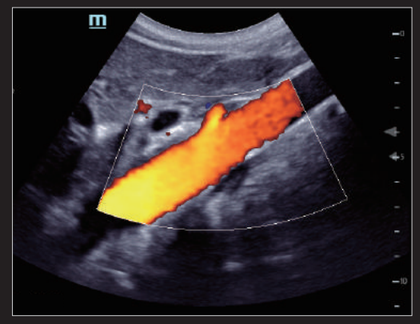


Brachial Plexus

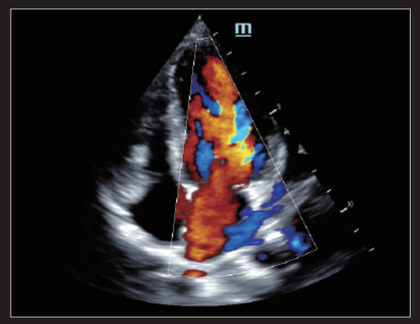


Brachial Plexus Puncture

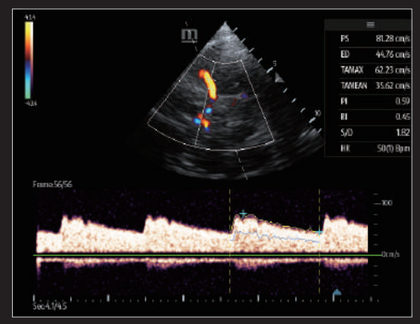
Portal Vein



Abdominal Aorta

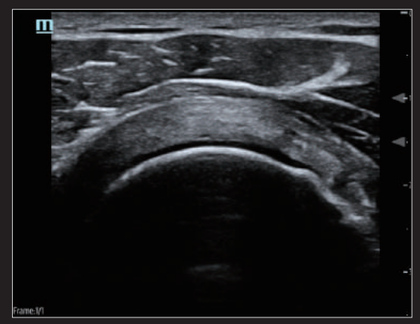


Cardiac CFM



TCD

Humerus Capitulum & Radial Head



Supraspinatus Tendon

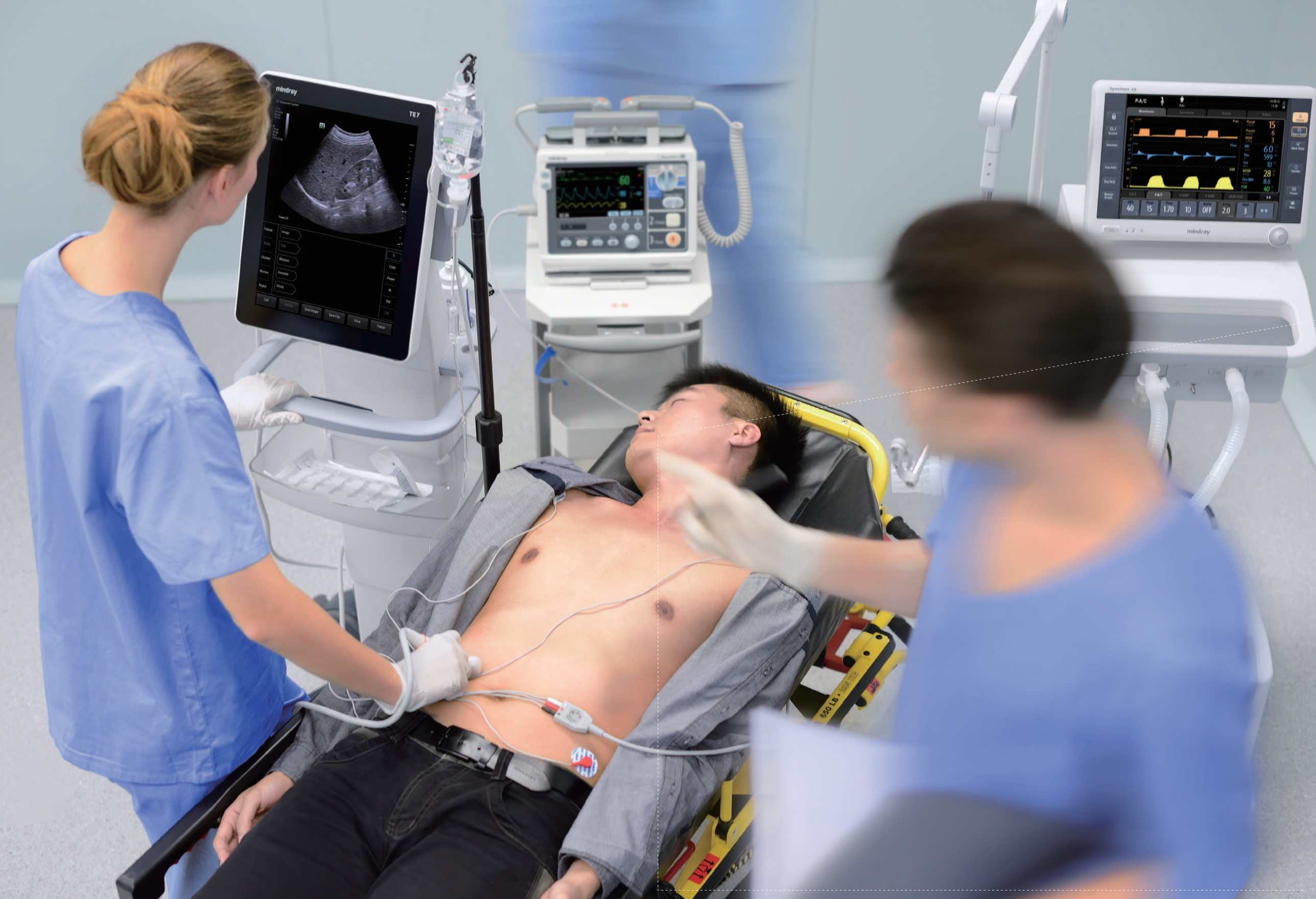

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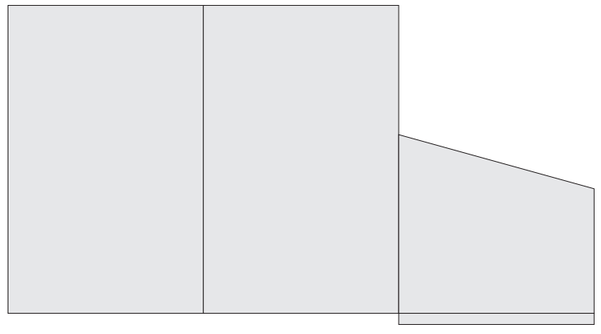
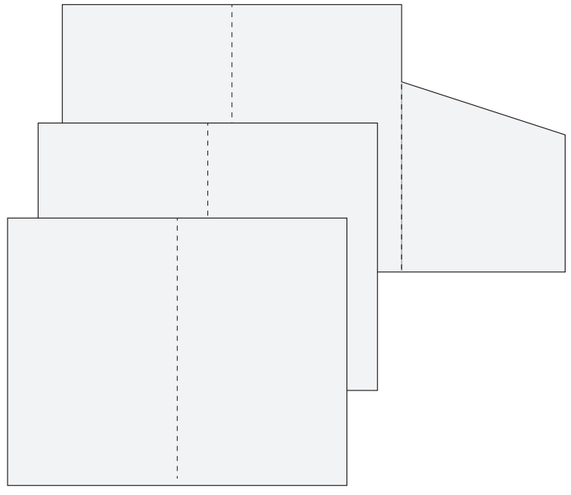
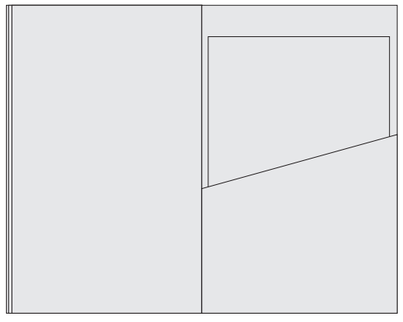
示意图



平面图



分解图



成品图