

WE ARE DEDICATED TO NEUROLOGICAL CARE BY CREATING ADVANCED DIAGNOSTIC AND THERAPEUTIC TECHNOLOGY, FOR IMPROVED PATIENT OUTCOME AND BETTER QUALITY OF LIVES.

EMS-9 **D**



Innovative Transcranial Doppler (TCD) Technology



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We always concentrate on neuromedical field!

## About Delica

Shenzhen Delica Medical Equipment Co., Ltd. was established in 1998. Delica has independent intellectual property rights and it has 15 authorized invention patents at present. Delica is always focusing on neurology medical equipment product research and development, production, marketing and sales, especially in Transcranial Doppler (TCD), Multi-functional Vascular Ultrasound System (MVU), and Digital Electroencephalogram etc.

After 20 years, Delica's products are becoming more and more extensive in application of academic research, and the number of published academic articles which had used Delica equipments from domestic and abroad are also increasing.

The company's Transcranial Doppler (TCD) series products reach the international leading level with CE and FDA certification; a large number of products were sold to the tertiary referral hospitals and were exported to Europe and the United States. Nearly 10,000 domestic users in China, and the international market share is in the top two. The market share among the best in 2016 which included China, the United States, South Korea, the Netherlands, Hong Kong and other countries and regions.



EMS-9D + Nanocore






## Application Field


- Routine diagnosis application:**  
 Regularly diagnosis for the status of cerebral arteries, auto-regulation, cerebral pressure and brain death. Detection and monitoring of vasospasm, Emboli detection and monitoring of embolic events, Diagnosis of intracranial stenosis and occlusion, Evaluation and monitoring of intracranial blood flow during surgical procedures.
- Monitoring application:**  
 Cerebral blood status monitoring, Embolus detection, PFO test and IOM in neurosurgery. Vascular interventional procedures: monitoring during carotid stent placement or resting balloon occlusion.
- Other application:**  
 Combination with cNIBP (continuous non-invasive blood pressure), monitoring the auto-regulation function; Combine with ICM+, providing multiple information helping doctors and researchers monitoring the status of patient.




Delica TCD + cNIBP + ICM+, an innovation tool in Neurology field.

 Portable  
All-in-one design that suits for different clinical uses.

 Touch screen  
Touch screen operation, convenient and efficient.

 Intelligent  
Various Intelligent & smart system, such as scene detection, Voice Prompt and guidance, and Experiment result division in PFO test.

 Integrated NIBP  
Integrated with Non-Invasive blood pressure (NIBP).

 ICM+ Compatibility  
Collaborate with University of Cambridge which make ICM+ related data can be easily connected.

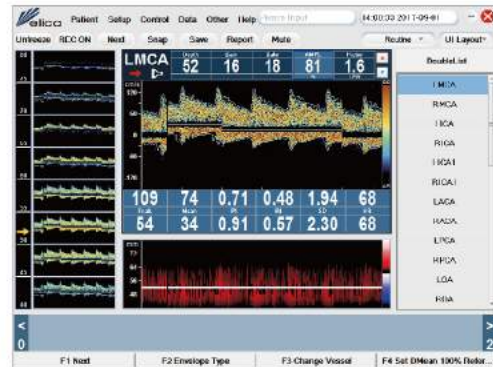
 Robotic probe  
Innovative Robotic Control Program.





## Product Features

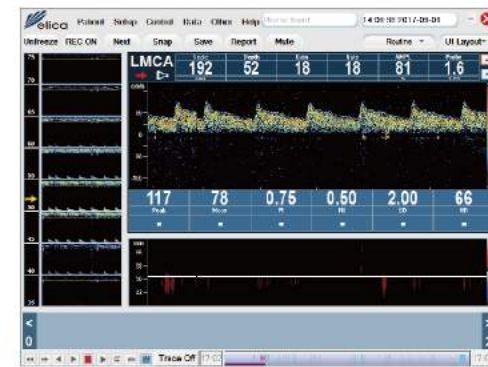
The base line would be adaptive adjustment according to the speed of blood flow.



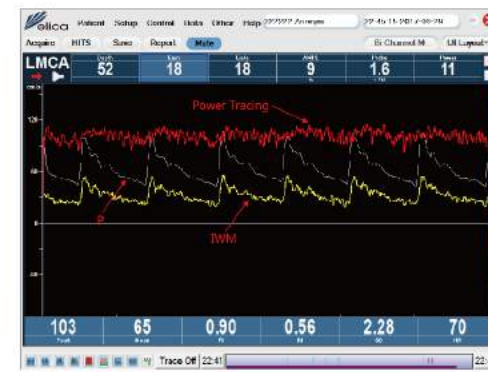
Automatic grading system for PFO test result.



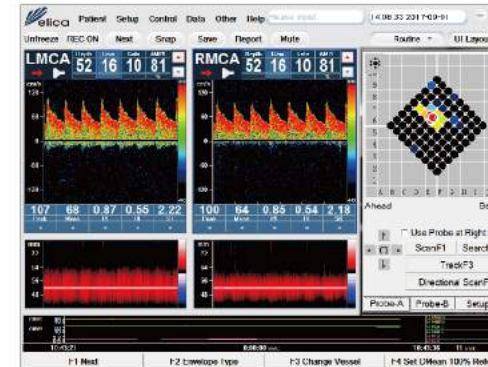
Velocity Limited would be automatically switched and adjusted according to the speed of blood flow.



Real-time output the value of IWM, Peak and Power.

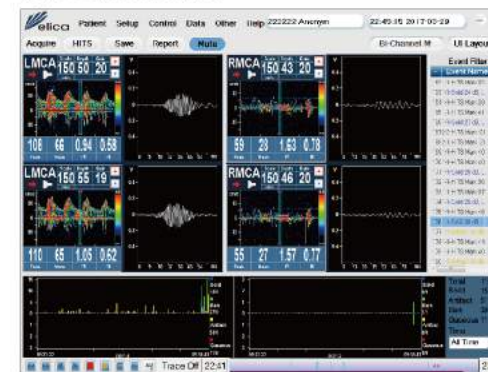


Innovative Robotic Probe Technology



Advanced Emboli Detection software

Based on the cooperation with many neurologists working on emboli research, the emboli detection software has an improved algorithm; the accuracy and reliability of HITS detection are superior to other TCD instruments.



Combined application of TCD and FMS to detect the automatic regulating function of cerebral blood flow.



Data combination with ICM+, provides a clinical research software for simultaneous and real-time multimodality monitoring and analysis in neurological intensive care environments.

