

ORDERING INFORMATION

Model Ref	Effective Length	Nominal Frequency	Instruction
MY-01-140-F55	140mm	55.5kHz	Disposable
MY-01-230-F55	230mm	55.5kHz	Disposable
MY-01-360-F55	360mm	55.5kHz	Disposable
MY-01-450-F55	450mm	55.5kHz	Disposable

TECHNICAL SPECIFICATION

MY-01 is Ultrasonic Scalpel category code. With the effective length of cutter head, the nominal frequency to formulate different specifications and models. The lengths are 140mm, 230mm, 360mm, 450mm. Nominal frequency is 55.5kHz.

Description of Ultrasonic Scalpel Host:

The host is responsible for providing stable and real-time ultrasonic frequency electrical signals. The high frequency current of the host generator passes through the transducer and converts the high frequency current into ultrasonic high frequency mechanical vibration energy. Mechanical energy is transferred to the cutter head to achieve the cutting and sealing of soft tissue. (Cutter head vibration frequency is about 55.5kHz)



About Medoo

Medoo Medical is a high-tech enterprise who focuses in R&D, production and sales of advanced endovascular interventional medical devices. Founded in 2014, Medoo group is composed of Shenzhen Medoo Medical Tech. Co., Ltd., Shenzhen Medoo Medtech. Co., Ltd., Jiangsu Medoo Medical Equipment Tech. Co., Ltd. and Hongkong Medoo Medical Tech. Co., Ltd.

Medoo Partners have strong technical strength and strong support from Shenzhen Science and Technology Commission. Currently, Medoo has many core projects in the field of vascular intervention, severe heart failure and clinical surgery, including MeCross CTO high-performance semi-compliant pre-dilatation balloon catheter, MeCross NC high-performance non-compliant post-dilatation balloon catheter, MeCross PTA peripheral interventional balloon catheter, NeuCross neuro interventional balloon catheter, MeCross HP high-pressure balloon catheter, TAVI valve balloon catheter, Urinary stone extraction balloon catheter, Esophageal airway dilatation balloon catheter, ultrasonic scalpel, cardiac aid device, PCI accessory, etc.

Integrating the resources of clinical experts in cardiovascular intervention, scientists of Chinese Academy of Science and the R&D specialists on medical consumables of endovascular interventions, Medoo Medical has launched industry-university-research cooperation united with a number of universities and hospitals and established world-class R&D and production centers in Shenzhen and Jiangsu respectively. Medoo Medical has already passed BSI ISO13485 certification (MD: 662153) and GMP certification of China. Its mainstream products have excellent performance, which approved by the European Union CE certification and China NMPA certification, welcomed by the customers all over the world. Medoo Medical not only carries out distribution business in the world with its own brand, but also provides professional OEM/ODM/CDMO production technical services for high-end vascular intervention medical device enterprises at home and abroad.

Culture of Medoo

Craftsmanship Spirit	Commitment to Quality	Innovation for the Future	Treasure the Life
Pursue excellence in technology, strive for perfection and develop top level products.	Strictly abide to laws and regulations, in order to ensure the health & safety of patients	Focus on the future life science and technology, create a vigorous Medoo brand	Improve patients' physical & mental health, care for human beings, contribute to our society

Goals of Medoo

- Develop Medoo Medical to the world's leading national high-end medical device brand
- Benefiting millions of patients with vascular diseases
- Pursue the harmony and unity of the enterprise, patients and society

Shenzhen Medoo Medical Tech. Co., Ltd.

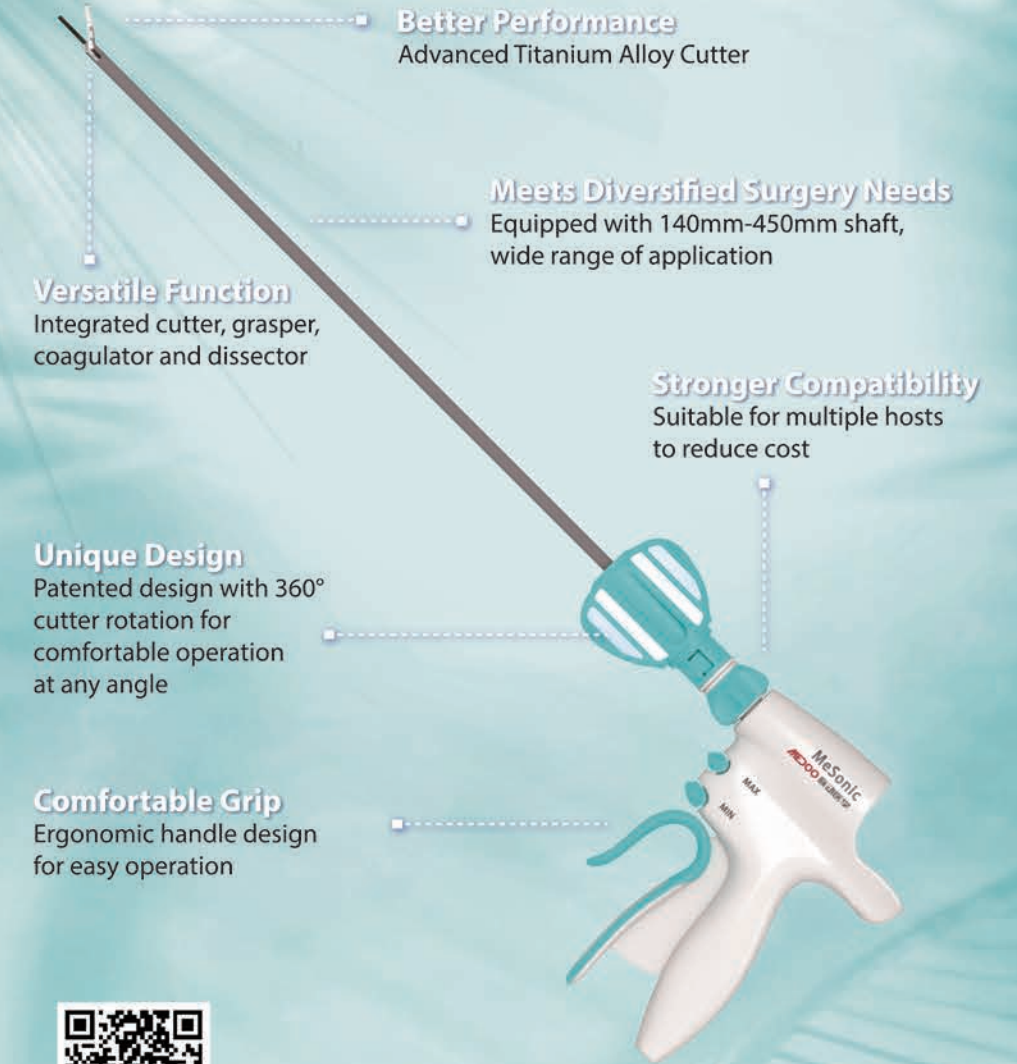
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Jiangsu Medoo Medical Equipment Tech. Co., Ltd.

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Ultrasonic Scalpel

NMPA: 苏械注准20232010011



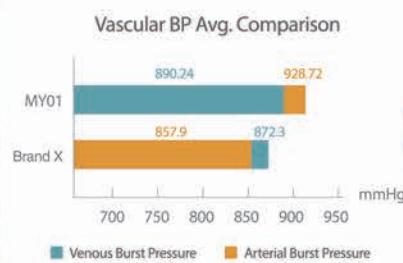
Ultrasonic Scalpel [MeSonic]

Product Description

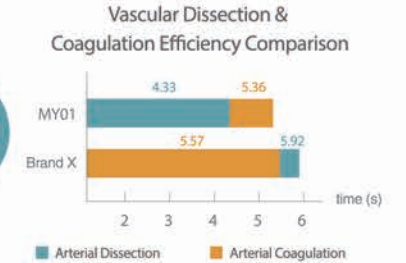
The full name of the Ultrasonic Scalpel is "Hemostatic Ultrasonic Scalpel", which is a groundbreaking piece of clinical surgical equipment that uses ultrasonic energy to promote hemostatic cutting and coagulation of soft tissues. Precise dissection, lower smoke output and less thermal damage. Widely applied in endoscopic, single-port endoscopic, open, superficial, robotic and other surgeries.

The Ultrasonic Scalpel system converts electrical energy into ultrasonic mechanical energy through the handle, so that the cutter head contacts the tissue protein at an ultra-high vibration frequency (55,500 times/second), resulting in cavitation, which quickly vaporizes the water in the tissue, breaks the hydrogen bond of the protein, and causes the protein to denatures into an adhesive material called coagulum for cutting, coagulation and hemostasis.

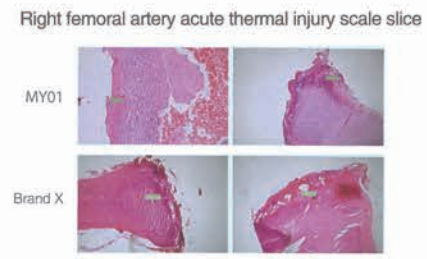
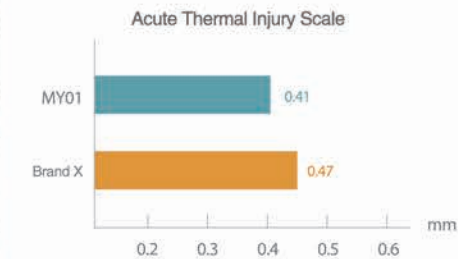
Precise cutter, Less smoke, Minimal thermal tissue damage



AND



Acute Thermal Injury Comparison



Product Advantages

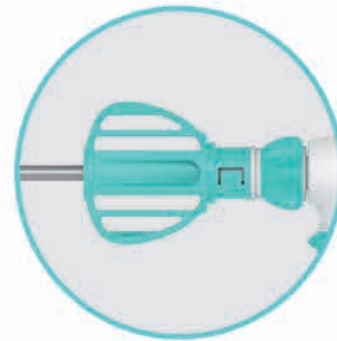
Better Performance

Advanced Titanium Alloy Cutter



Versatile Function

Integrated cutter, coagulation, back cut, perforation, grasp and separation



Unique Design

Patented design with 360°cutter rotation for comfortable operation at any angle, reduce operator fatigue

Meets Diversified Surgery Needs

Equipped with 140mm-450mm shaft, wide range of application

Stronger Compatibility

Suitable for multiple hosts to reduce cost



Comfortable Grip

Ergonomic handle design, two-color injection molding of grip, more comfortable, more safe and reliable

