

# Mesic™

Compact Ultrasonic Surgical System

Meril

Endo-Surgery



## GLOBAL FIRST, COMPACT INNOVATION

Rapid Transection, Secure Sealing &  
Enhanced Tissue Protection



**COMPACT GENERATOR**

Size as a palm, save space in OR  
Plug-n-play, easy to use  
Let the surgeons spend less time focusing on what's in their hand, and more time focusing on the task at hand.

**DISSECTOR**  
Curved & tapered tip for precise dissection  
Up to 5mm vessel sealing



**SHAFT**  
Available in 4 shaft lengths,  
fulfill the needs of all kinds of surgeries

**ROTATION WHEEL**

360° continuous shaft rotation to enable easy access to targeted tissue

**MAX & MIN BUTTON**

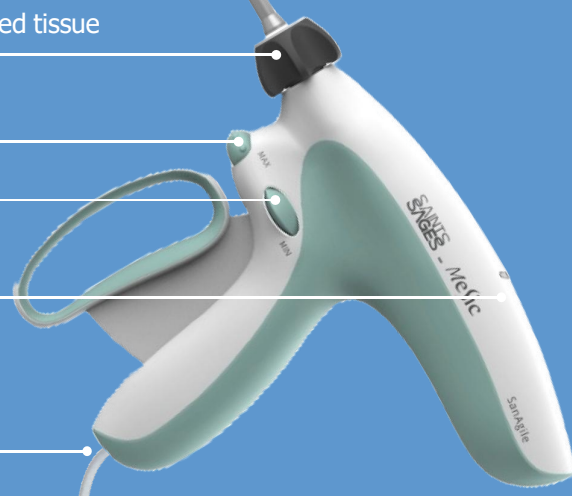
Ergonomic design,  
Avoid mistouch of Max & Min button

**INTEGRATED TRANSDUCER**

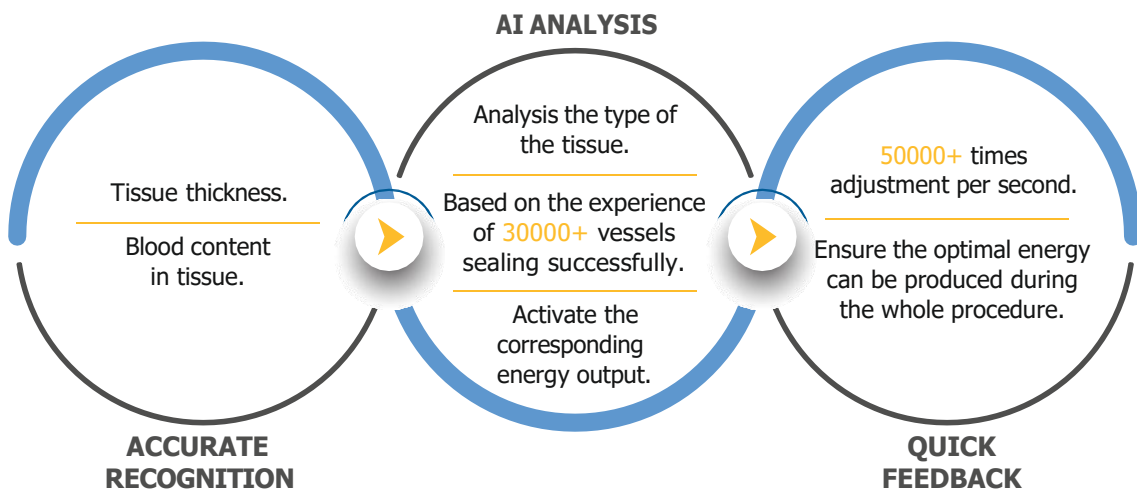
Transducer and dissector are integrated as one  
Plug-n-play, easy to use

**INTEGRATED TRANSDUCER**

Transducer and dissector are integrated as one  
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## Intelligent RTTE II algorithm



# Rapid Transection

According to the 10 times mesentery transection test result, Mesic Compact Ultrasonic System is faster than the main competitor significantly.



**Competitor Brand : 31.76s**



**Mesic Compact Ultrasonic System : 27.11s**

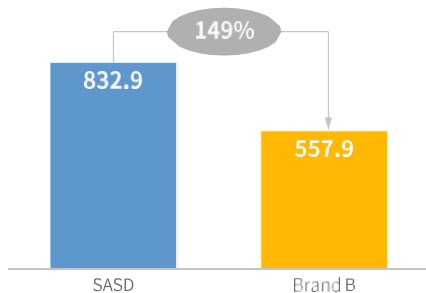
The Transection speed of Mesic Compact Ultrasonic System is **17% faster** than the main competitor.

\*Data Source: 19016-005 Animal (Swine) Acute Trial for Study on Safety and Effectiveness of SanAgile™ Ultrasonic Surgery Advanced System - Test Report (SASD36 VS HAR36)

# Secure Sealing

## Better Sealing Performance

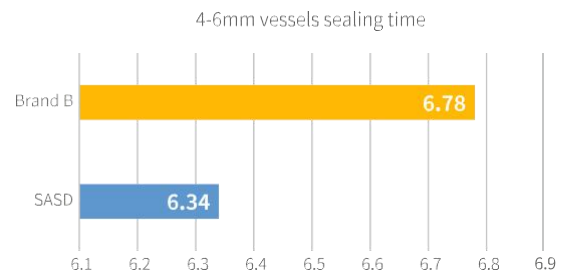
The blood burst pressure of Mesic Compact Ultrasonic System is **149%** of the main competitor when sealing 5 – 6mm vessels.



\*Data Source: 19016-003 Arteriovenous Burst Pressure Trial of SanAgile™ Ultrasonic Surgery Advanced System - Test Report (SASD36 VS HAR36)

## Faster Vessel Sealing Time

**P=0.007**, the sealing time of Mesic Compact Ultrasonic System is less than the main competitor significantly when sealing 4 – 6mm vessels.



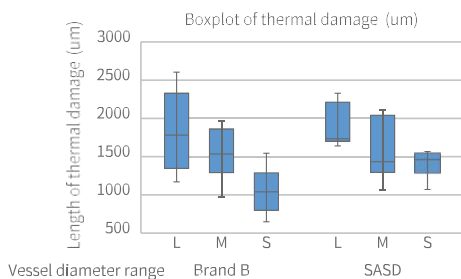
\*Data Source: 19016-005 Animal (Swine) Acute Trial for Study on Safety and Effectiveness of SanAgile™ Ultrasonic Surgery Advanced System - Test Report (SASD36 VS HAR36)

# Extraordinary Reliability

- 50000+ times feedback per second to ensure the electrical power convert to mechanical power as much as possible.
- Endurable for more than 6hs' operation and keep good performance during the whole procedure.

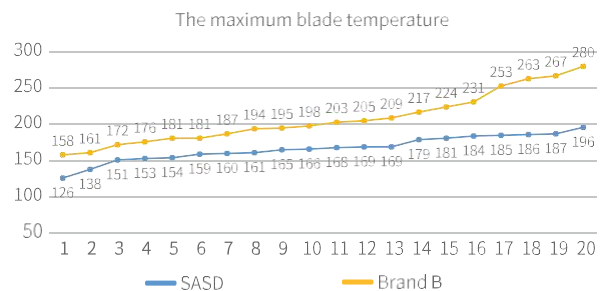
# Enhanced Tissue Protection

The lateral thermal damage of Mesic Compact Ultrasonic System is similar to the main competitor.



\*Data source: 19016-005 Animal (Swine) Acute Trial for Study on Safety and Effectiveness of SanAgile™ Ultrasonic Surgery Advanced System - Test Report (SASD36 VS HAR36)

Advanced RTTE II algorithm improves the control of blade heat for lower maximum blade temperature.



\*Data source: Activation Temperature Comparison Test Report (20220908) between the SanAgile™ Ultrasonic Surgery Advanced Dissector and the Harmonic Dissector (SASD36 VS HARH36)

Material Code	Material Description
MUGEN - 02	Mesic Compact Ultrasonic Surgical System
MUSP - 14	Mesic Compact Ultrasonic Surgical Shear - 14 cm
MUSP - 23	Mesic Compact Ultrasonic Surgical Shear - 23 cm
MUSP - 36	Mesic Compact Ultrasonic Surgical Shear - 36 cm
MUSP - 45	Mesic Compact Ultrasonic Surgical Shear - 45 cm

## Procedure Segment



Endo-Surgery

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