

THE WORLD'S FIRST FULLY-INTEGRATED BIPOLAR AND ULTRASONIC TECHNOLOGY

Rapid cutting and reliable 7 mm vessel sealing from a single surgical instrument.



INTEGRATED BIPOLAR AND ULTRASONIC ENERGY FROM A SINGLE VERSATILE INSTRUMENT

The THUNDERBEAT difference

THUNDERBEAT is the world's FIRST integration of both advanced bipolar and ultrasonic energies, delivered simultaneously from a single, versatile instrument. This integration delivers the widely recognised benefits of each individual energy; the ability to rapidly cut tissue with ultrasonic energy; and the ability to create reliable vessel seals with bipolar energy. THUNDERBEAT features three handle types and four working lengths to meet a variety of surgeons' procedural preferences.

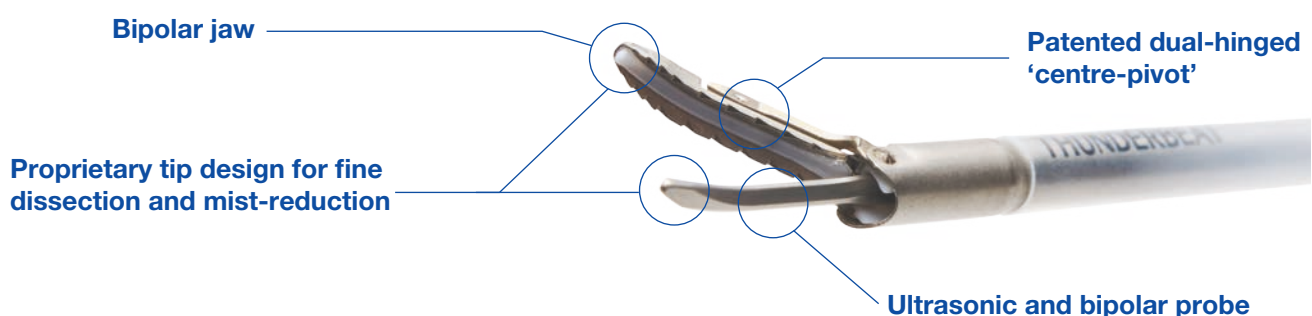
The combination of advanced bipolar and ultrasonic energy in THUNDERBEAT provides unprecedented versatility, including:

- **Reliable 7 mm vessel sealing**
- **Minimal thermal spread**
- **Quickest in-its-class cutting**
- **Reduced mist generation for improved visibility**
- **Fine dissection with fine jaw design**
- **Fewer instrument exchanges**



Revolutionary jaw design

All THUNDERBEAT devices feature a patented centre-pivot jaw design that facilitates fine dissection and generates less mist, improving visibility. This design evenly distributes closing pressures, independent of tissue thickness or type, producing reliable vessel seals and higher grasping and dissecting forces.





Intuitive, easily accessible hand switches

- Intuitive, easily accessible hand switches from various directions allow for stable activation, regardless of hand size or position
- Additional protrusions on 'SEAL' button provide tactile recognition for seamless operational flow

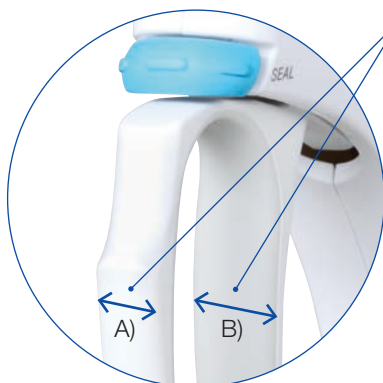


SEAL & CUT

Bipolar energy and ultrasonic energy for reliable vessel sealing and coagulation with simultaneous cutting

SEAL

Advanced bipolar energy for reliable vessel sealing and tissue coagulation without simultaneous cutting



Optimised actuating handle design

- A) Thinner front grip of the actuating handle provides surgeon with direct tactile feedback for blunt dissection
- B) Wider rear grip of the actuating handle provides the stability when grasping and cutting tissue

THUNDERBEAT

Generators and accessories

WB91051W	ESG-400	Electrosurgical generator
N3808660	USG-400	Ultrasonic generator
N3635730	TC-E400	Energy cart
N3808760	TD-TB400	Transducer for THUNDERBEAT
N3809230	MAJ-1870	Foot switch for THUNDERBEAT
N3809330	MAJ-1871	Communication cable – short 0.25 m
N3809430	MAJ-1872*	Communication cable – long 10 m
N3809530	MAJ-1873*	Adapter for the connection to UHI-2 or UHI-3 insufflator
N3809630	MAJ-1876	Docking fixture

*Required for the automatic mist and smoke evacuation function

THUNDERBEAT

THUNDERBEAT handpieces

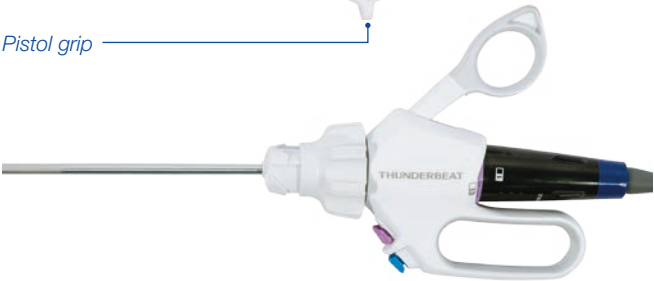
N4488930	TB-0545FC	THUNDERBEAT 5 mm, 45 cm, Front-actuated grip
N4489130	TB-0535FC	THUNDERBEAT 5 mm, 35 cm, Front-actuated grip
N3810330	TB-0545PC	THUNDERBEAT 5 mm, 45 cm, Pistol grip
N3810430	TB-0535PC	THUNDERBEAT 5 mm, 35 cm, Pistol grip
N3810530	TB-0545IC	THUNDERBEAT 5 mm, 45 cm, Inline grip
N3810630	TB-0535IC	THUNDERBEAT 5 mm, 35 cm, Inline grip
N3810730	TB-0520IC	THUNDERBEAT 5 mm, 20 cm, Inline grip
N3810830	TB-0510IC	THUNDERBEAT 5 mm, 10 cm, Inline grip



Front-actuated grip



Pistol grip



Inline grip



Surgical tissue management system with energy cart TC-E400

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.