

**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 recognized 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 two handle types and four working lengths to meet a variety of surgeons' procedural preferences.

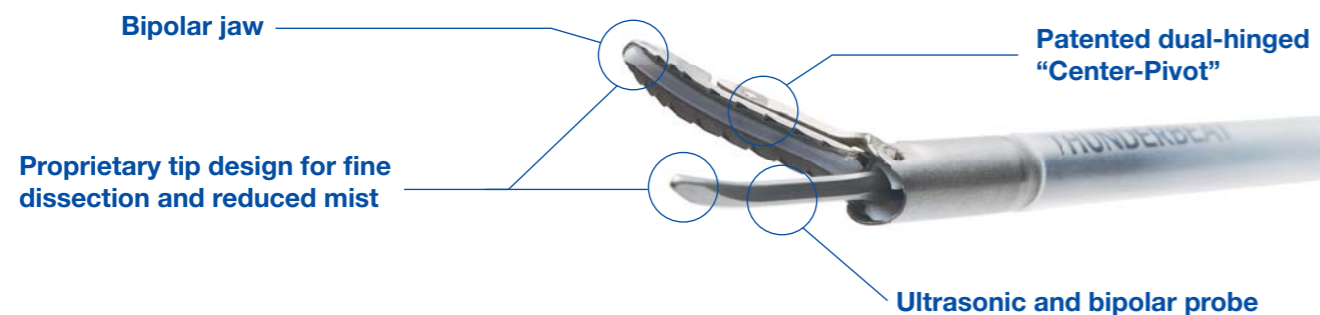
The benefits of both advanced bipolar and ultrasonic energies to provide unprecedented versatility:

- reliable 7 mm vessel sealing
- minimal thermal spread
- fastest-in-class cutting
- reduced mist generation for improved visibility
- fine dissection with fine jaw design
- fewer instrument exchanges



Revolutionary jaw design

THUNDERBEAT devices feature a patented center-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 consistently 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 operation flow



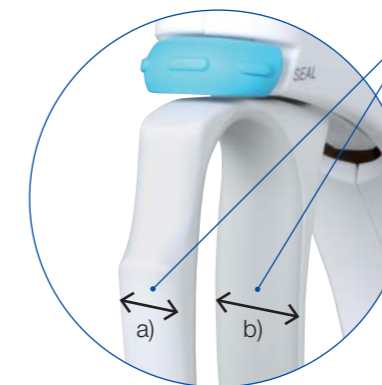
Seal & Cut

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

Optimized 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 stability when grasping and cutting tissue

THUNDERBEAT

THUNDERBEAT

Generators and accessories

ESG-400	Electrosurgical generator
USG-400	Ultrasonic generator
TC-E400	Energy Cart
TD-TB400	Transducer for THUNDERBEAT
MAJ-1870	Footswitch for THUNDERBEAT
MAJ-1871	Communication cable – short
MAJ-1872*	Communication cable – long
MAJ-1873*	Adapter for the connection to UHI-2 or UHI-3 insufflator
MAJ-1876	Docking fixture

*Required for the automatic mist and smoke evacuation function

THUNDERBEAT

THUNDERBEAT handpieces

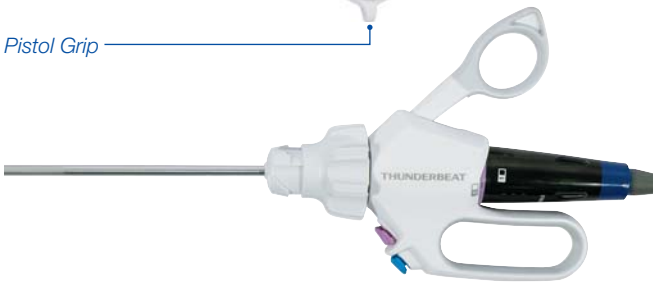
TB-0545FC	THUNDERBEAT 5 mm, 45 cm, Front-actuated Grip
TB-0535FC	THUNDERBEAT 5 mm, 35 cm, Front-actuated Grip
TB-0545PC	THUNDERBEAT 5 mm, 45 cm, Pistol Grip
TB-0535PC	THUNDERBEAT 5 mm, 35 cm, Pistol Grip
TB-0545IC	THUNDERBEAT 5 mm, 45 cm, Inline Grip
TB-0535IC	THUNDERBEAT 5 mm, 35 cm, Inline Grip
TB-0520IC	THUNDERBEAT 5 mm, 20 cm, Inline Grip
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.

OLYMPUS[®]

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