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Japanese firm Olympus launches THUNDERBEAT energy device for open surgery

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A single use hybrid ultrasonic and bipolar electrosurgical instrument intended for use in open surgery



Olympus Corporation has announced the release of the THUNDERBEAT Open Fine Jaw Type X surgical energy devices for open surgery. With a new thermal shield, the THUNDERBEAT Open Fine Jaw Type X surgical energy device is designed to support safer procedures.

The device is available commercially in Japan. The commercial launch of the product in Europe, the US, and South Korea is expected in October 2022, with continued launches in other countries and regions following.

This device is part of Olympus' THUNDERBEAT portfolio of hybrid energy devices that deliver both ultrasonic and bipolar energy simultaneously for tissue management, including hemostatic cutting and dissection, in laparoscopic surgery and open surgery. The THUNDERBEAT hybrid devices eliminate the need for multiple instruments during the surgery, contributing to efficiency in the operating room and reduced operation time

It is designed for open surgical procedures that require delicate and fine tissue dissection, such as in thyroidectomy or radical neck dissection. The new thermal shield improves the thermal profile on the grasping surface, which reduces the risk of unintended heat damage to nearby tissue, nerves and other structures. The jaw design maintains a finely curved tip for precise dissection and enhanced visibility during use.