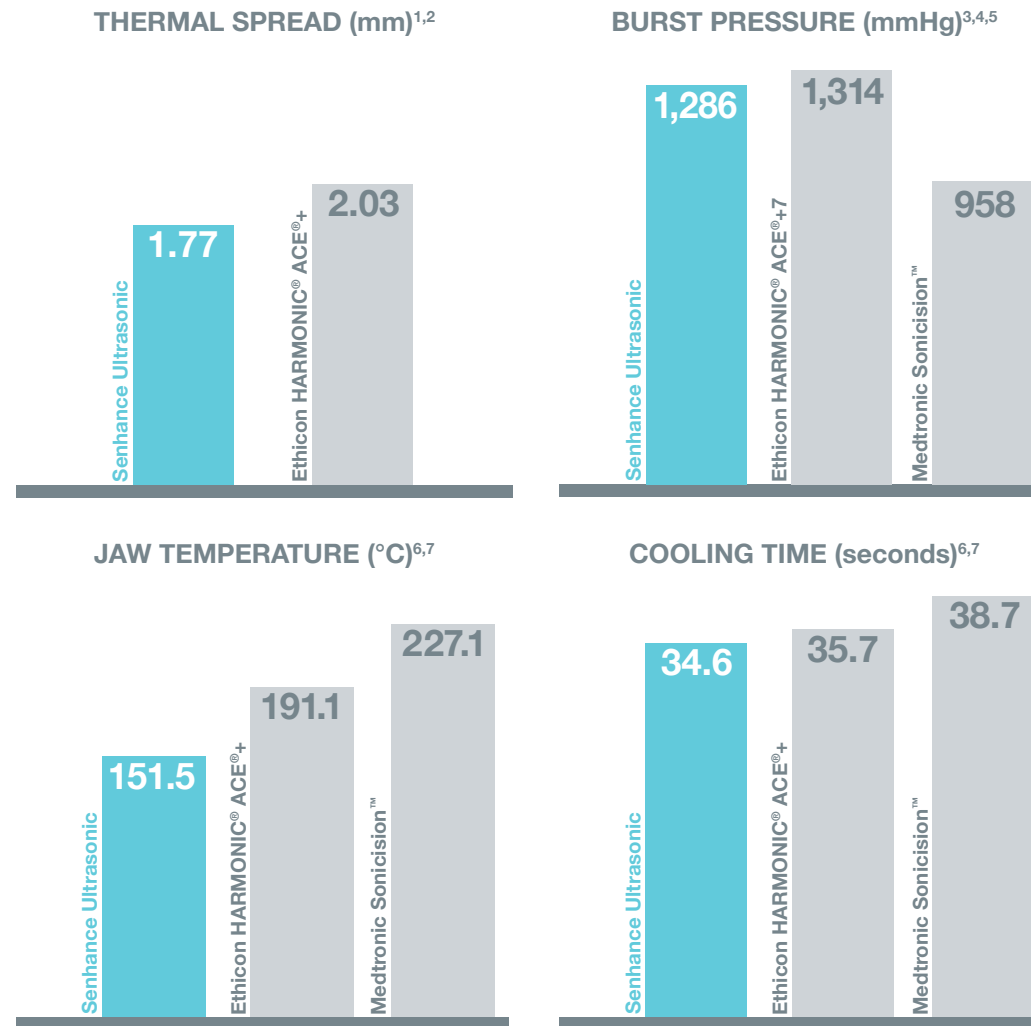


The Senhance[®] Surgical System is ushering in a new era of minimally invasive surgery called digital laparoscopy

The Senhance Surgical System is digitizing laparoscopy by integrating advanced technology—robotic precision, haptic sensing, eye-tracking camera control, and improved ergonomics—with skilled laparoscopists while focusing on responsible economics. The open-platform architecture allows for compatibility with 3DHD and fluorescence vision systems along with other existing hospital investments in laparoscopy.



Reliable Performance



Data presented not part of head-to-head studies. See references for individual study design, methods, and results.

1. Data on file (REC-020-01169).
2. Chen J, et al. Validation of a laparoscopic ferromagnetic technology-based vessel sealing device and comparative study to ultrasonic and bipolar laparoscopic devices. *Surg Laparosc Endosc Percutan Tech* 2017; Apr;27(2):e12-e17. doi: 10.1097/SLE.0000000000000385.
3. Data on file (REC-020-00880).
4. Timm RW, et al. et al. Sealing vessels up to 7 mm in diameter solely with ultrasonic technology. *Med Devices* (Auckl). 2014; 7:263-271. <https://www.ethicon.com/na/products/energy-sealing-and-dissecting/ultrasonic-shears/harmonic-ace7-shears-advanced-hemostasis> Downloaded 05 March 2019.
5. Data on file (REC-020-00787).
6. Data on file (REC-020-00787).
7. Kim FJ, et al. Evaluation of emissivity and temperature profile of laparoscopic ultrasonic devices (blades and passive jaws). *Surg Endosc* 2015 May;29(5):1179-84. doi: 10.1007/s00464-014-3787-0. Epub 2014 Aug 27.

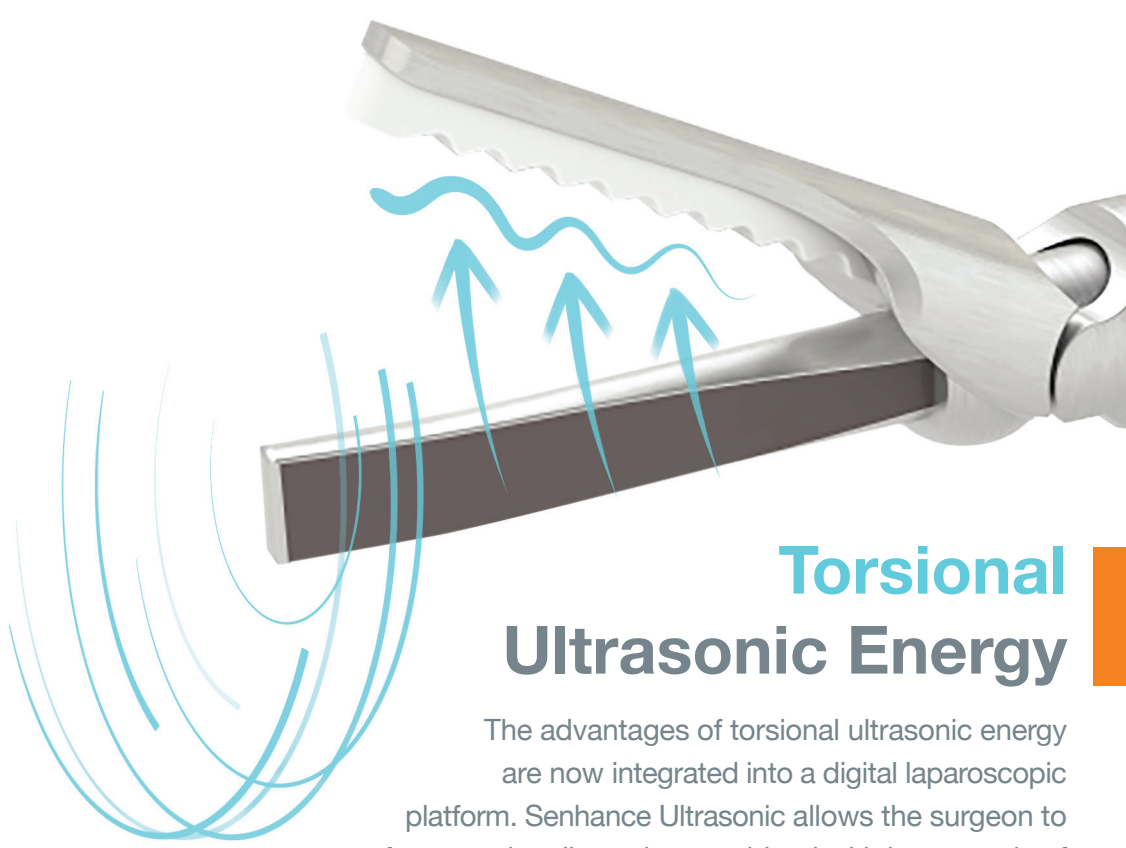
Senhance Ultrasonic Instruments and Accessories

Ordering Information

SENHANCE ULTRASONIC INSTRUMENTS	DESCRIPTION	ORDER CODE	QTY/BOX
	Senhance [®] Ultrasonic Dissector (5.5 mm x 370 mm)	X9007619	10 (single use)
	Senhance [®] Ultrasonic Transducer (cable length 3 m)	X9007620	1 (reusable)
	Senhance [®] Ultrasonic Adapter	X9007618	1 (reusable)
	Senhance [®] Ultrasonic Generator	X9007621	1
	Senhance [®] Ultrasonic Footswitch (cable length 10 m)	X9007641	1

DESCRIPTION	ORDER CODE
InstruSafe Sterilization Tray for Senhance Ultrasonic - Wrap (66 cm L x 15.3 cm W x 9.8 cm H)	X0008282
InstruSafe Sterilization Tray for Senhance Ultrasonic - Container (66 cm L x 15.3 cm W x 9.8 cm H)	X0008354
Ultrasonic System Power Cable (Type B, 3 m)**	X9007655

*Please Note: Power cables must be ordered separately from Ultrasonic Generator to assure regional compatibility.



Torsional Ultrasonic Energy

The advantages of torsional ultrasonic energy are now integrated into a digital laparoscopic platform. Senhance Ultrasonic allows the surgeon to perform precise dissection combined with hemostasis of tissues through the use of torsional ultrasonic energy. This results in minimized thermal spread to the non-targeted tissues.



Senhance® Ultrasonic enables surgeons to perform fast and precise tissue dissection



Senhance® Ultrasonic

Digital Laparoscopy with Advanced Energy

Eye trackers supplied by Tobii.

The Senhance System was developed under a license of the European Commission Joint Research Centre.

Products may not be available in all markets and indications for use vary by region. Please visit www.asensus.com/indications-for-use or contact your local representative for information about your area.

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