



HARMONIC™ HD 1000i:

The product behind the **“Wow”**

Designed to address unique challenges in complex open and laparoscopic procedures, the HARMONIC™ HD 1000i offers a seamless combination of unmatched precision, unparalleled strength and optimal efficiency for **improved dissection, faster transection and more secure sealing.**

Unmatched precision

- Curved, tapered blade geometry mirrors a mechanical dissector,¹ delivering superior dissection among Advanced Energy devices²
- Dissecting shape may reduce instrument exchanges during dissection of vessels and lymph nodes³

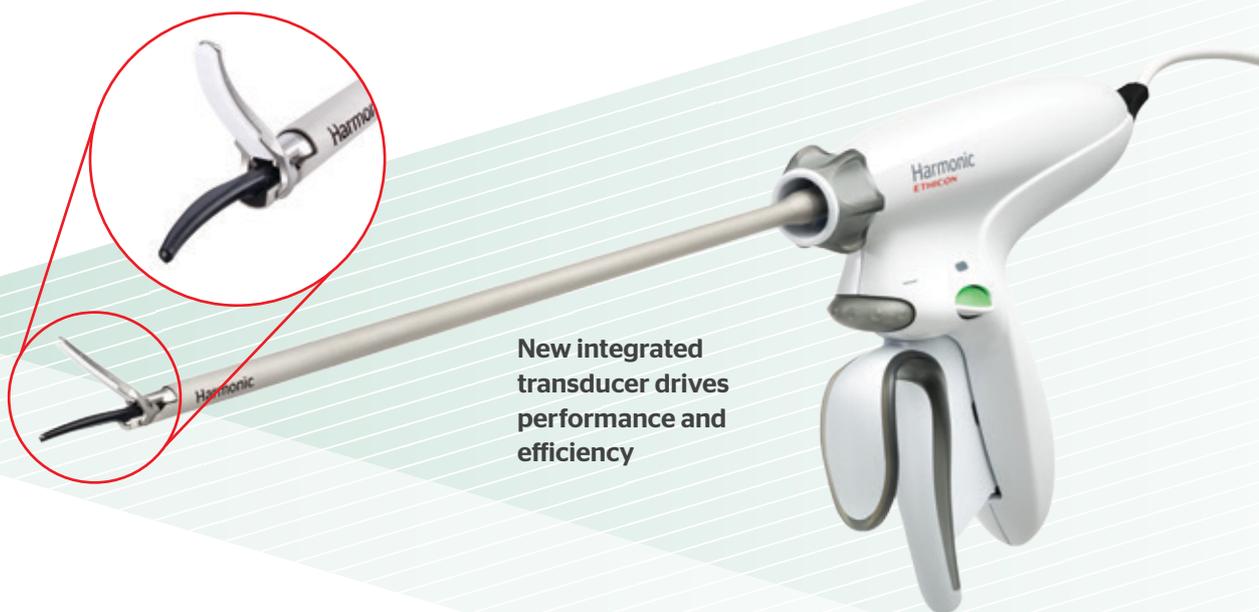
Unparalleled strength

- Produces consistent and reliable hemostasis,⁴ which has been shown in challenging hemostasis conditions
- Exceptional sealing strength as evidenced by burst pressures of 150% relative to both small and large jaw devices^{5,6}

Optimal efficiency

- New integrated transducer drives clinical performance and eliminates the need to order, manage or clean a separate hand piece
- 40% faster sealing of vessels up to 7mm using Advanced Hemostasis mode⁷
- 82% of surgeons surveyed indicated HARMONIC HD 1000i would reduce their intraoperative time⁸

Examples of applicable procedures
 Hepato-pancreato-biliary, Colorectal,
 GYN Oncology and Lymphadenectomy, Thoracic



New integrated transducer drives performance and efficiency

Product components



HARMONIC™ HD 1000i

Product code	Description	Quantity per sales unit
HARHD20	HARMONIC™ HD 1000i Shears 20cm length	6
HARHD36	HARMONIC™ HD 1000i Shears 36cm length	6

HARMONIC™ HD 1000i Shears is supplied sterile for single-patient use and includes an integrated hand piece. It is compatible with the existing Ethicon Generator GEN11 software version 2016-1 onwards.

¹ In a pre-clinical study, for both iliac dissection and lymph node dissection, the HARMONIC™ HD 1000i was significantly superior to HARMONIC ACE®+7 in dissecting capability (p<0.001 in all cases). #051950-160425

² Design Validation Study with surgeons (n=31) who have used other advanced bipolar devices (Olympus Thunderbeat, Ligasure™ Maryland, Ligasure Impact™, HARMONIC ACE®+7 and HARMONIC ACE®+), operating in simulated procedures in an animate porcine laboratory model (26/31) #053342-160516

³ Design Validation Study with surgeons (n=33) operating in simulated procedures in an animate porcine laboratory model (26/33) #053344-160516

⁴ In a pre-clinical study, 100% (56/56) of porcine blood vessels remained hemostatic over a 30-day survival period. #049339-160315

⁵ In a benchtop study with 5-7mm porcine carotid arteries that compared median burst pressure, HARMONIC™ HD 1000i (1878 mmHg) vs. LigaSure Impact™ (1224 mmHg) (p<0.0001). #049305-160315

⁶ In a benchtop study with 5-7mm porcine carotid arteries that compared median burst pressure, HARMONIC™ HD 1000i (1878 mmHg) vs. LigaSure™ Maryland (1171 mmHg) (p<0.0001). #049315-160315

⁷ In a porcine study comparing sealing times of HARMONIC ACE®+7 and HARMONIC™ HD 1000i, HARMONIC™ HD 1000i Shears transected vessels faster than HARMONIC ACE®+7 (mean vessel transection time of 9.186 vs 15.291). #051753-160420

⁸ Design Validation Study with surgeons (n=33) operating in simulated procedures in an animate porcine laboratory model (27/33) #053345-160516

Please always refer to the Instructions for Use / Package Insert that come with the device for the most current and complete instructions.

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