

INTRODUCING THE ADVANCED ENERGY DEVICE THAT'S BREAKING BOUNDARIES...

HARMONIC ACE[®]+ 7 Shears with Advanced Hemostasis



ETHICON

PART OF THE JOHNSON & JOHNSON FAMILY OF COMPANIES

Better surgery for a better world

Harmonic

WIN

The unmatched precision you trust

Introducing HARMONIC ACE[®]+ 7 Shears: The most intelligent and innovative HARMONIC[®] device ever created

Uniting **unmatched precision** with **powerful sealing** ability, HARMONIC ACE+ 7 Shears are designed for a wider range of surgical jobs to reduce the number of surgical devices needed to achieve hemostasis.



Refined blade design

- Tapered tip designed for precision and multifunctionality
- Features a proprietary nonstick coating

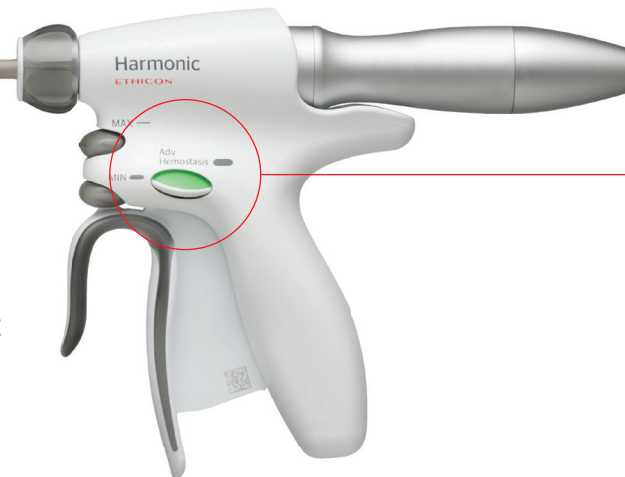
Available in 3 shaft lengths

- 23 cm, 36 cm, and 45 cm



Next generation Adaptive Tissue Technology

- Ethicon generator modulates energy, controlling the thermal profile to reduce the risk of thermal damage
- The system senses and responds appropriately to changes in patient tissue conditions
- Audible feedback provides a cue to reduce activation time during transection, driving improved efficiency

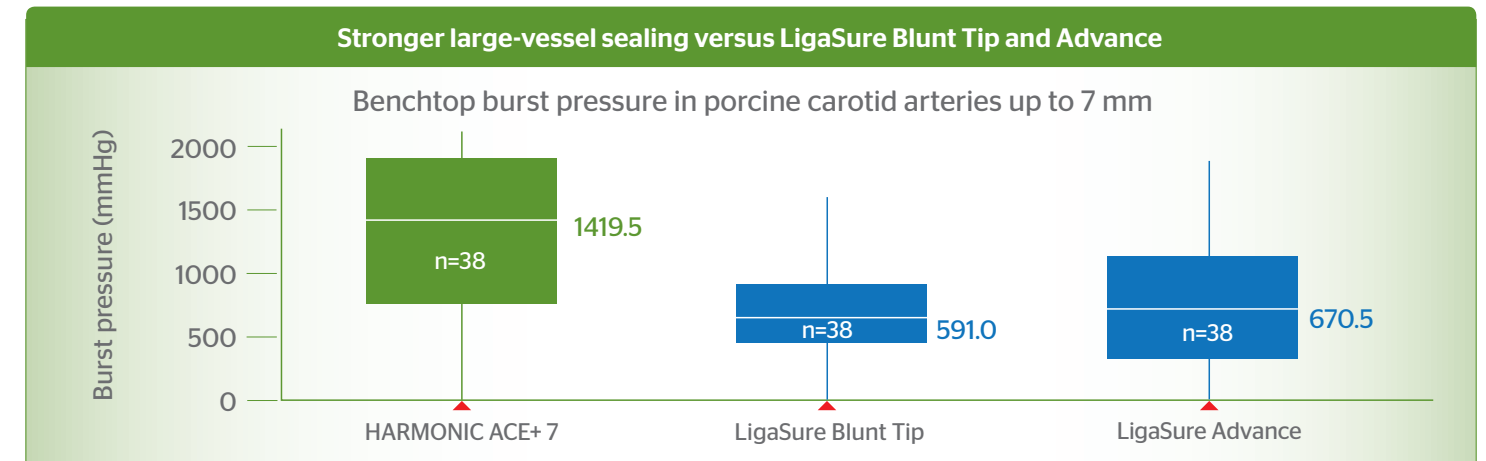


WIN

Now **140% stronger** large-vessel sealing than LigaSure[™] 5 mm Blunt Tip*

HARMONIC ACE+ 7 Shears: World-class precision, now with stronger sealing results

- Greater 5-7 mm vessel-sealing reliability than LigaSure devices[†]
- 140% higher median burst pressure vs LigaSure 5 mm Blunt Tip, when sealing 5-7 mm vessels in the Advanced Hemostasis mode*
- 112% higher median burst pressure vs LigaSure Advance[™], when sealing 5-7 mm vessels in the Advanced Hemostasis mode[‡]



Minimum burst pressure per vessel.
Source: Data on file. Ethicon, Inc. Engineering Study PRC064872. November 19, 2013.

Advanced Hemostasis mode

- Coagulates vessels up to 7 mm in diameter with the use of the Advanced Hemostasis hand control button

*In a benchtop test using 5-7 mm porcine carotids that compared median burst pressure for HARMONIC ACE+ 7 (1419.5 mmHg) and LigaSure 5 mm Blunt Tip (591.5 mmHg) ($P < .001$). Data on file (PRC064872B).

† In a benchtop test on 5-7 mm porcine carotids that compared burst pressure failures under 240 mmHg, HARMONIC ACE+ 7 in Advanced Hemostasis Mode (2/152 failures) versus LigaSure 5 mm Blunt Tip and LigaSure Advance (total failures for both Blunt Tip and Advance: 15/154 failures) ($P = .001$). Data on file (PRC064872B).

‡ In a benchtop test using 5-7 mm porcine carotids that compared median burst pressure for HARMONIC ACE+ 7 (1419.5 mmHg) and LigaSure Advance (670.5 mmHg) ($P < .001$). Data on file (PRC064872B).

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WIN

The unmatched precision you trust

WIN

Now **140% stronger** large-vessel sealing than LigaSure™ 5 mm Blunt Tip*

The second generation of Adaptive Tissue Technology

- Advanced Hemostasis mode reliably seals large vessels up to 7 mm in diameter with the Advanced Hemostasis hand control button
- Proprietary algorithm actively monitors the instrument during use, and enables the system to sense and respond appropriately to changes in patient tissue conditions
- Intelligent energy modulation delivers improved performance and the precision you expect from HARMONIC



Product code	Description	Quantity/Sales Unit
HARH23	HARMONIC ACE®+ 7 5mm Diameter Shears 23cm length with Advanced Hemostasis	6
HARH36	HARMONIC ACE®+ 7 Laparoscopic 5mm Diameter Shears 36cm length with Advanced Hemostasis	6
HARH45	HARMONIC ACE®+ 7 Laparoscopic 5mm Diameter Shears 45cm length with Advanced Hemostasis	6

For complete product details, see Instructions for Use. For more information, contact your local Ethicon sales professional or call 1-877-ETHICON (384-4266).

*In a benchtop test using 5-7 mm porcine carotids that compared median burst pressure for HARMONIC ACE+ 7 (1419.5 mmHg) and LigaSure Advance (670.5 mmHg) ($P < .001$). Data on file (PRC064872B).
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