Introducing

HARMONIC ACE®+ Shears

with Adaptive Tissue Technology

Greater precision through improved energy delivery

Ethicon Endo-Surgery | Harmonic

HARMONIC ACE®+ Shears with Adaptive Tissue Technology

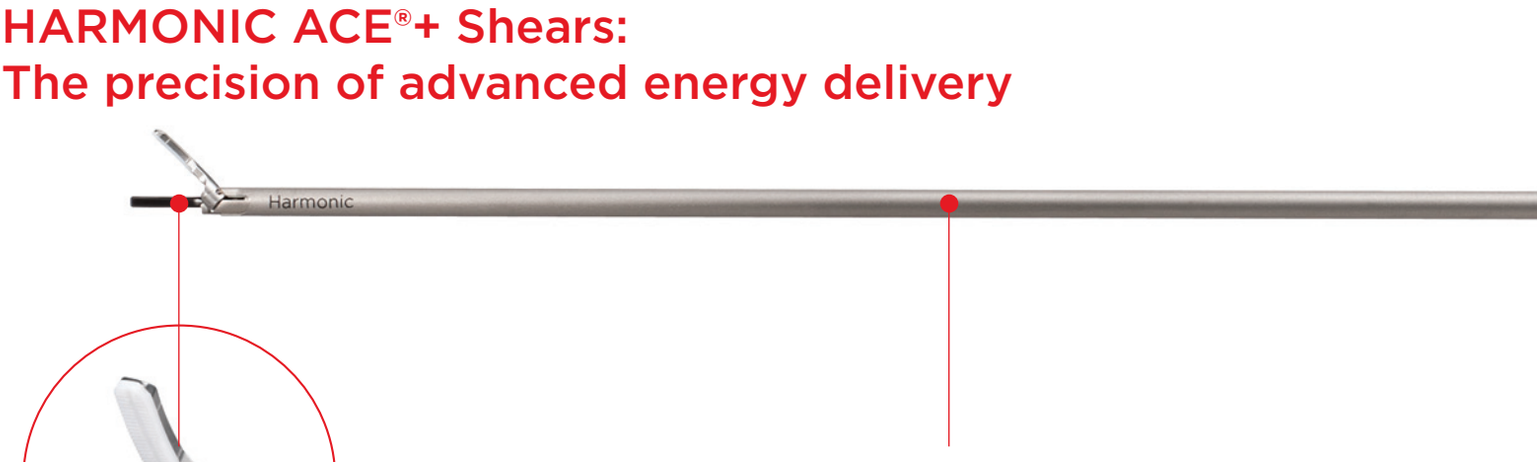
Enhanced precision vs HARMONIC ACE® Shears

- **23% less thermal spread**[1] reduces tissue damage to surrounding vital structures
- **21% shorter transection times**[2] with the same reliable hemostasis you expect from HARMONIC ACE®
- **Refined blade design** enables precision in dissection, sealing, transection, grasping, and otomy creation

Advanced energy delivery through Adaptive Tissue Technology

- New technology responds intelligently to tissue conditions for greater precision
  - — Regulates energy delivery when needed for improved temperature management
  - — A tone change signals when Adaptive Tissue Technology is regulating energy delivery, thereby improving efficiency with enhanced feedback
- The surgeon retains ultimate control over the device
  - — Adaptive Tissue Technology provides the benefits of greater precision without compromising the surgeon's control of device function

HARMONIC ACE®+ Shears: The precision of advanced energy delivery



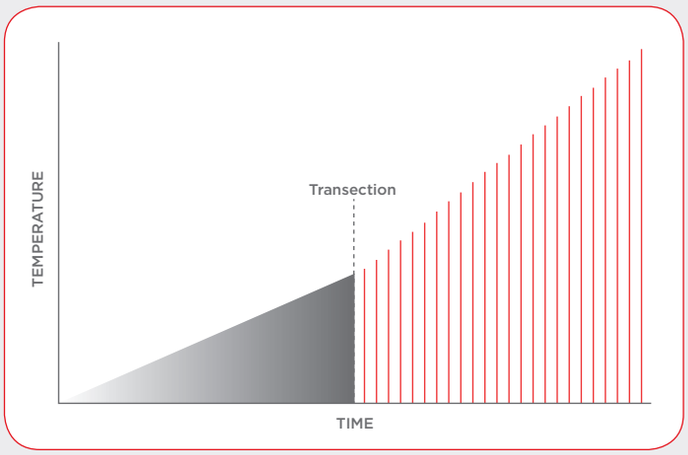
REFINED BLADE DESIGN
- Finer, tapered tip designed for precision and versatility
- Nonstick coating added to titanium alloy blade

AVAILABLE IN 2 SHAFT LENGTHS
- 23cm and 36cm

[1] 23% less thermal spread exhibited in porcine histology vs HARMONIC ACE® Shears without Adaptive Tissue Technology (1.7mm vs 2.2mm; *P*<0.001).
[2] 21% shorter transection times measured in porcine labs vs HARMONIC ACE® Shears without Adaptive Tissue Technology (4.5s vs 5.7s; *P*<0.001).
[3] In a benchtop study on Power Level 5, HAR36 and HAR23 exhibited 30.1% and 34.2% lower mean (*P*=0.000) and median (*P*=0.000) blade heat, respectively, than HARMONIC ACE® Shears without Adaptive Tissue Technology.

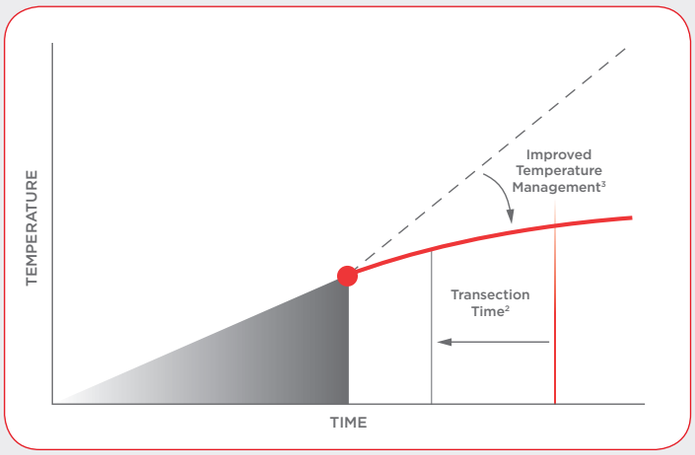
Improved temperature management and efficiency with Adaptive Tissue Technology

Conventional ultrasonic technology



Continued activation after transection can result in **increased blade temperatures and inefficient energy delivery**.

Adaptive Tissue Technology



Energy is delivered with greater precision, resulting in **improved temperature management and shorter transection times**.

AUDIBLE FEEDBACK

- A tone change provides a cue to reduce activation time

ENHANCED ENERGY DELIVERY

- Greater precision with 23% less thermal spread[1] and 21% shorter transection times[2] vs HARMONIC ACE® Shears

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New HARMONIC ACE®+ Shears

Product code	Description
HAR36	HARMONIC ACE® Laparoscopic 5mm Diameter Shears 36cm Length + Adaptive Tissue Technology
HAR23	HARMONIC ACE® 5mm Diameter Shears 23cm Length + Adaptive Tissue Technology

To order, please contact your EES Sales Professional or call 1-800-USE-ENDO.

www.ees.com

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For complete product details see Instructions for Use.

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