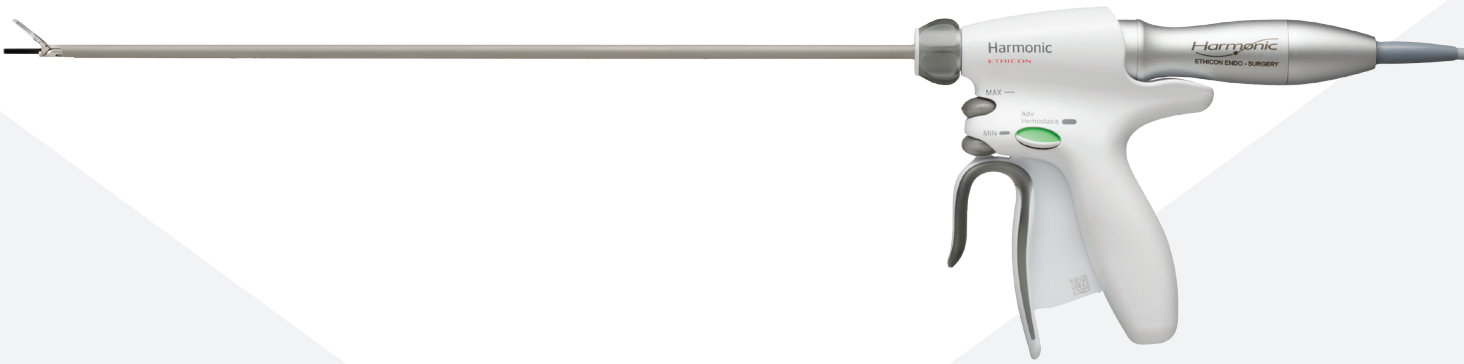
Harmonic®

Experience the standard of **precision and performance** for your procedures



HARMONIC ACE®+ 7 Shears

- Adaptive Tissue Technology **delivers energy intelligently**[1] and responds to changing tissue conditions[2]
- Unites **precision**[3] with **powerful sealing ability**[4]
- Refined curved blade provides **better visibility**[5]

VS.

Covidien Sonicision™

- **Hotter distal shaft**[6]
- **Lower quality seals produced**[4]
- Straight blade design **may limit visibility**, especially in tight spaces

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HARMONIC ACE®+ 7 Shears vs. Covidien Sonicision™

Heat and thermal management

Distal shaft of **Sonicision™ is 14% hotter** than HARMONIC ACE®+7 devices with Adaptive Tissue Technology[6]

- HARMONIC ACE®+7 provides significantly better heat management, which may reduce the thermal tissue damage related to inadvertent contact with the shaft compared to Sonicision[7]

Seal quality and burst pressure

Overall **durability of seals produced with Sonicision is lower**[4]

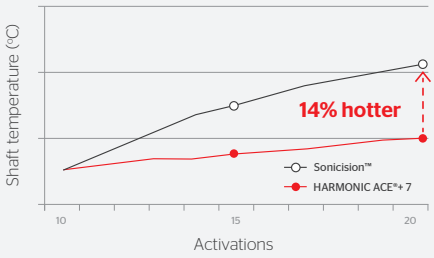
- HARMONIC ACE®+7 Shears in Advanced Hemostasis mode deliver 74% higher burst pressures compared to Sonicision[4]

Visualization and blade design

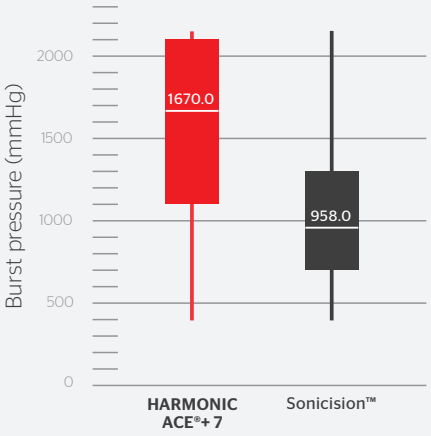
The **straight design of the Sonicision blade may limit visibility**, which can be crucial in tight spaces near critical structures

- HARMONIC ACE®+7 Shears are designed with a curved blade for better visualization
- HARMONIC ACE®+7 blade has a blunt tip design for atraumatic dissection

Distal shaft temperatures[6]



3-5mm vessel burst pressure[4]



Blade visibility

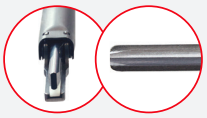
Surgeon's perspective, HARMONIC® Shears

Blade visible

HARMONIC® Blade

Surgeon's perspective, Sonicision™ Shears

Blade not visible



Sonicision™ Blade

For more information, contact your local Ethicon Product Specialist

1 As compared to previously introduced HARMONIC® devices without Adaptive Tissue Technology. (C1247) **2** vs. HARMONIC ACE® without Adaptive Tissue Technology. (C1197) **3** As compared to HARMONIC® devices without Adaptive Tissue Technology. (C1949) **4** In a benchtop study with 3-5mm porcine carotids that compared median burst pressure, HARMONIC ACE®+7 vs. Sonicision™ (Min power level) (p=0.0004). (C1870) **5** (C332) **6** In a benchtop study on porcine jejunum, Sonicision™ (Max power) exhibited 13.7% higher mean shaft temperature vs. Ethicon ACE devices with Adaptive Tissue Technology at Max Power Level 5 (p<0.001). (C1940) **7** In a benchtop study on porcine jejunum, Sonicision™ (Max power) exhibited 13.7% higher mean shaft temperature (Celsius) on the last 3 of 20 transections vs. Ethicon ACE devices with Adaptive Tissue Technology at Max Power Level 5 (p<0.001). (C1936)

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For more information on our products please call customer service in Australia on 02 9815 4278 or 1800 252 194 and New Zealand on 0800 803 988
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