

# ULTRASONIC

## CORDLESS FREEDOM.<sup>1</sup> KNOW THE ADVANTAGES.



A data-based comparison of the Sonicision™ curved jaw device with the Harmonic ACE™+7, Harmonic™ HD1000i, and the first generation Sonicision™ device

### Sonicision™ curved jaw device vs. Harmonic ACE™+7

**NO CORD. BETTER MOBILITY.**<sup>3,†</sup>

Sonicision™ curved jaw device

**88% of surgeons**  
**100% of nurses**

surveyed after use agree

Harmonic ACE™+7

**THINNER JAWS.**<sup>1</sup>  
**PRECISE ACCESS.**

Sonicision™ curved jaw device

Active blade tip width:  
**0.8 mm**  
vs. 1.1 mm

Active blade base width:  
**1.7 mm**  
vs. 2.2 mm

Harmonic ACE™+7

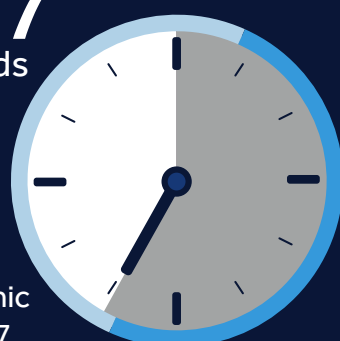
**FASTER DISSECTION**<sup>2,‡</sup>

**27.7**  
seconds



Sonicision™ curved jaw device

**36.7**  
seconds



Harmonic ACE™+7

### Sonicision™ curved jaw device vs. Harmonic™ HD1000i

**NO CORD. BETTER MOBILITY.**<sup>3,†</sup>

Sonicision™ curved jaw device

**88% of surgeons**  
**100% of nurses**

surveyed after use agree

Harmonic™ HD1000i

**THINNER JAWS.**<sup>1</sup>  
**PRECISE ACCESS.**

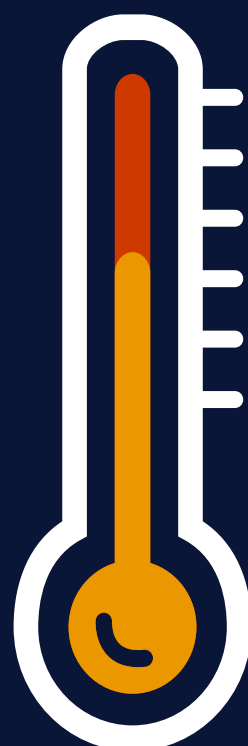
Sonicision™ curved jaw device

Active blade tip width:  
**0.8 mm**  
vs. 1.1 mm

Active blade base width:  
**1.7 mm**  
vs. 2.2 mm

Harmonic™ HD1000i

**COOLER TOP JAW TEMPERATURE. TO REDUCE RISK.**<sup>2,§</sup>



**132.4 C**  
Harmonic™ HD1000i

vs.

**93.0 C**  
Sonicision™ curved jaw device

### Sonicision™ curved jaw device vs. first generation Sonicision™ device

**50% MORE PROCEDURAL USES**

before generator reordering is needed<sup>1,4,8-11</sup>

**FAMILIAR AND COMFORTABLE FEEL IN YOUR HAND**<sup>3,Ω</sup>

Makes for a smooth transition for existing Sonicision™ device users

**88% MORE BATTERY CAPACITY**<sup>7</sup>

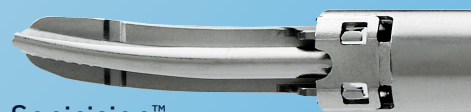
2X more procedural uses<sup>8-10</sup>



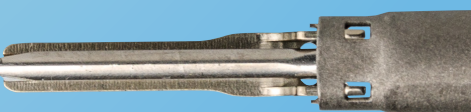
**MORE EFFICIENT BATTERY MANAGEMENT**

Easy-to-interpret charge status and end-of-life indications<sup>4,‡‡</sup>

**MORE ROBUST ACTIVE BLADE**<sup>5,6,††</sup>



Sonicision™ curved jaw device



Sonicision™ legacy device

† 29 out of 33 surgeons surveyed after use agreed.

‡ Testing performed on bench tissue (porcine mesentery) and measured across 10 consecutive activations using maximum power.

§ Testing performed on bench tissue (porcine mesentery) and measured across 10 consecutive activations using maximum power on the Sonicision™ curved jaw device and dissection mode on the Harmonic™ HD1000i device.

Ω 33 out of 33 surgeons surveyed after use agreed.

†† Based on comparison to the first-generation Sonicision™ device regarding survivability when contacting metal clips and stress induced by ultrasonic vibration.

‡‡ 27 out of 28 nurses surveyed after use agreed.

1. Based on internal test report #RE00147772, rev A, Sabre blade comparison report, April 18, 2018.

2. Based on internal test report #R0032385 rev A, Thermal profile comparison with Ethicon Harmonic™ HD1000i shears and Ace™+7 vs. Sonicision™ curved jaw (SPD-83) and LigaSure™ coated Maryland (LF19XX) on the Force Triad™ and Valleylab™ FT10 generators, May 17-18, 2017, and June 14, 2017.

3. Based on internal test report #R0042752 rev A, Marketing evaluation of surgeon experience using the Sonicision™ curved jaw cordless ultrasonic dissector Feb 13-17, Feb 28, March 3, May 16, 2017.

4. Based on internal test report #R0049393 rev A, Operating room staff marketing evaluation of the Sonicision™ curved jaw cordless ultrasonic dissector, Dec. 1, 6-7, 2016.

5. Based on internal test report #RE00120778, rev A, Metal clip survivability, Sabre vs. Sonicision™ device, Oct. 11, 2018.

6. Based on internal test memo #RE00140496, rev A, Testing waveguide strength via overdriving, Feb. 12, 2018.

7. Based on internal test memo #RE00153542 rev B, Battery capacity comparison between first-generation Sonicision™ device battery pack (SCB) and the Sonicision™ curved jaw device battery pack (SCBA), May 17, 2018.

8. Sonicision™ Cordless Ultrasonic Dissection System [user's guide], Minneapolis, MN: Medtronic, 2016.

9. Based on internal test report #R0042707 rev A, Reusable life test verification report for the SCBA reusable battery pack, April 26, 2017.

10. Based on internal test report #RE00113195 rev A, Reusable life test verification report for the SCBA reusable battery pack—Oxvir, Sept. 13, 2017.

11. Based on internal test report #RE00108733 rev A, Reusable life test verification (SCGAA-TA9), Aug. 24, 2017.

**Contact your local Medtronic representative to see the difference for yourself.**

**Medtronic**  
Further, Together