HARMONIC™ 700
Shears with Advanced Hemostasis

Your tried-and-true device just got smarter.

And faster.

Precise energy delivery.
Unmatched versatility.[1]
Meet HARMONIC™ 700.

ETHICON
Johnson & Johnson SURGICAL TECHNOLOGIES

Reference: 1. (250381-230607).

That's just smart energy

HARMONIC™ 700 Shears with Advanced Hemostasis

Replaces the HARMONIC ACE™+7

The next evolution of your go-to ultrasonic device **combines the precision you trust...**

...with smarter energy for improved thermal management[1]

Reference: 1. Improved Advanced Tissue Technology algorithm vs algorithm used in ACE+7. (250385-230607).

From the leader in ultrasonic technology, with over 30 years elevating the art of precision[1]

Improved Adaptive Tissue Technology

Actively **controls blade temperature**[2]

Delivers precise energy to minimize thermal footprint, lower maximum blade temperature, and complete faster transection for reduced heat exposure[3]

Better performance

92% less
tissue sticking
vs HARMONIC ACE™+7[4]

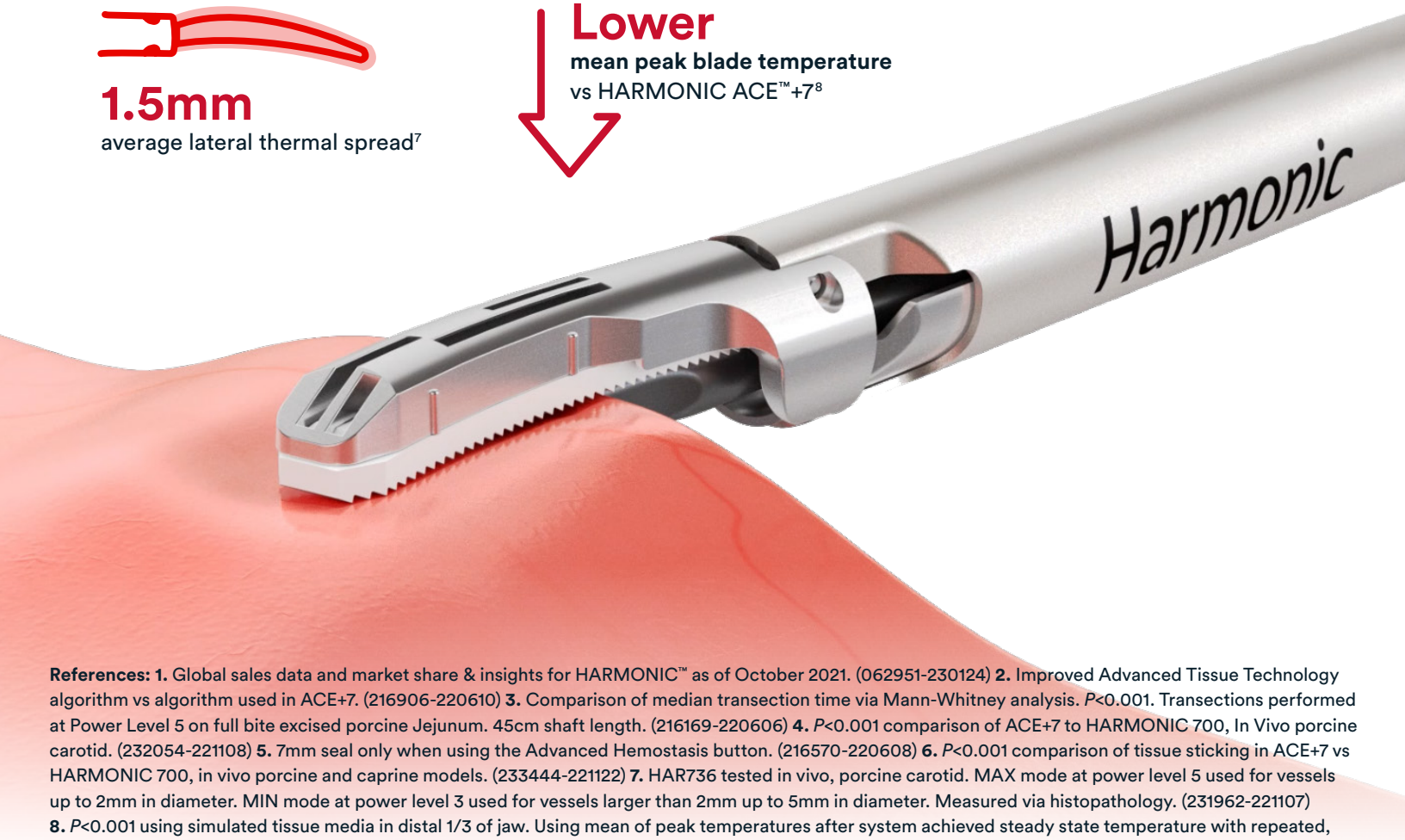
31% faster
vessel transections
vs HARMONIC ACE™+7[3]

7mm diameter
vessels (and under) securely sealed with Advanced Hemostasis[5]

Better tissue protection[6]

1.5mm
average lateral thermal spread[7]

Lower
mean peak blade temperature
vs HARMONIC ACE™+7[8]



References: 1. Global sales data and market share & insights for HARMONIC™ as of October 2021. (062951-230124) **2.** Improved Advanced Tissue Technology algorithm vs algorithm used in ACE+7. (216906-220610) **3.** Comparison of median transection time via Mann-Whitney analysis. *P*<0.001. Transections performed at Power Level 5 on full bite excised porcine Jejunum. 45cm shaft length. (216169-220606) **4.** *P*<0.001 comparison of ACE+7 to HARMONIC 700, In Vivo porcine carotid. (232054-221108) **5.** 7mm seal only when using the Advanced Hemostasis button. (216570-220608) **6.** *P*<0.001 comparison of tissue sticking in ACE+7 vs HARMONIC 700, in vivo porcine and caprine models. (233444-221122) **7.** HAR736 tested in vivo, porcine carotid. MAX mode at power level 5 used for vessels up to 2mm in diameter. MIN mode at power level 3 used for vessels larger than 2mm up to 5mm in diameter. Measured via histopathology. (231962-221107) **8.** *P*<0.001 using simulated tissue media in distal 1/3 of jaw. Using mean of peak temperatures after system achieved steady state temperature with repeated, extended activations. Percentage calculated relative to 0° C. Adaptive Tissue Technology improved over algorithm in ACE+7. (216399-220728)

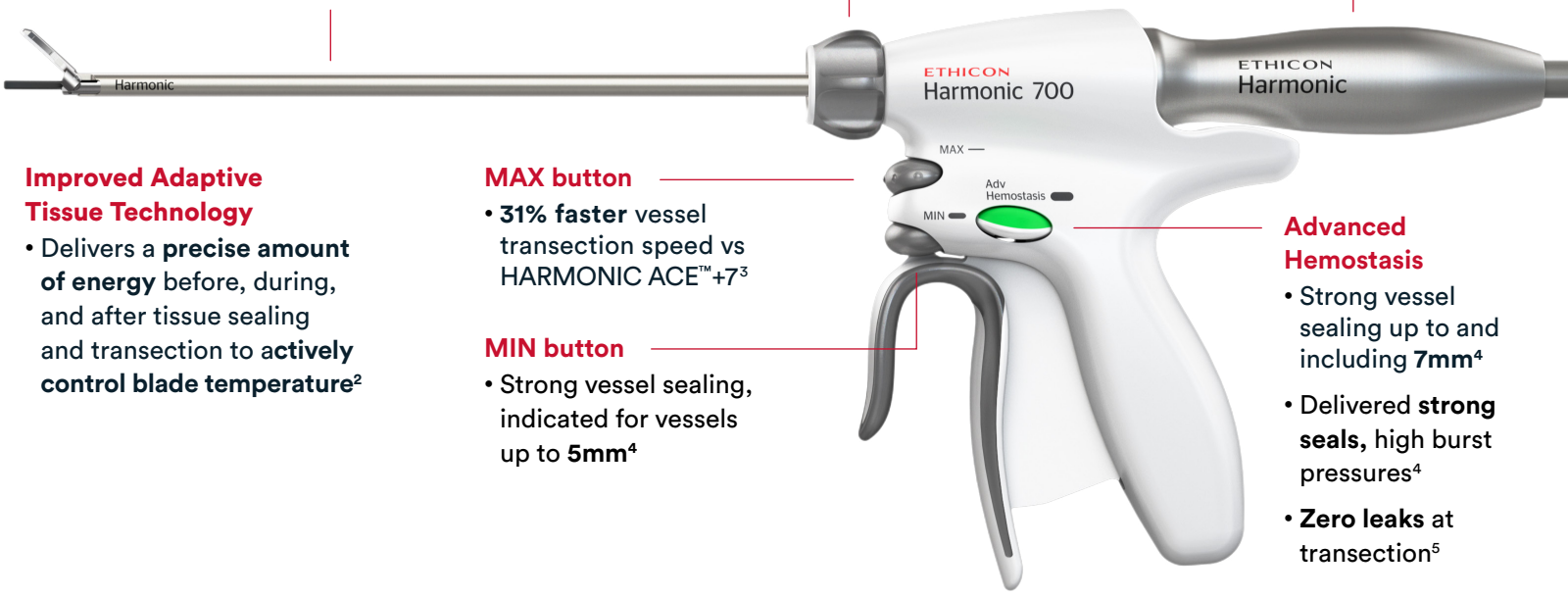
HARMONIC™ 700 SHEARS WITH ADVANCED HEMOSTASIS

Precise energy delivery. Unmatched versatility.[1]

Open, Laparoscopic, and Bariatric shaft lengths
- 23 cm, 36 cm, and 45 cm

Rotation knob
- Enables **360°** shaft rotation

Hand piece
- **Compatible** with HARHPGR handpieces



Improved Adaptive Tissue Technology
- Delivers a **precise amount of energy** before, during, and after tissue sealing and transection to a**ctively control blade temperature**[2]

MAX button
- **31% faster** vessel transection speed vs HARMONIC ACE™+7[3]

MIN button
- Strong vessel sealing, indicated for vessels up to **5mm**[4]

Advanced Hemostasis
- Strong vessel sealing up to and including **7mm**[4]
- Delivered **strong seals,** high burst pressures[4]
- **Zero leaks** at transection[5]

Indicated for sealing vessels up to and including 7mm in diameter

Tissue pad
- **5x better pad life** than HARMONIC ACE™+7 for enhanced reliability and surgical efficiency[6]

Curved, tapered blade
- **92% less** sticking vs HARMONIC ACE™+7[7]
- **Lower mean** peak blade temperature vs HARMONIC ACE™+7[8]

References: 1. (250381-230607) **2.** Improved Advanced Tissue Technology algorithm vs algorithm used in ACE+7. (216906-220610) **3.** Comparison of median transection time via Mann-Whitney analysis. P-value *P*<0.001. Transections performed at Power Level 5 on full bite excised porcine Jejunum. 45cm shaft length. (216169-220606) **4.** Sealing of ex vivo 5-7mm diameter porcine vessels showed median burst pressure of >1800mmHg. Adaptive Tissue Technology improved vs ACE+7. (217086-220613) **5.** Thunderbeat TB-0535FCS at power level 3 cut and seal tested vs HAR736 Advanced Hemostasis mode on 80 cuts of porcine ex-vivo vessels. HARMONIC 700 leaks at transection = 0/79. Thunderbeat leaks at transection = 5/80. (217083-220613) **6.** During repeated, extended activations on porcine jejunum. Adaptive Tissue Technology improved vs ACE+7 algorithm. (216568-220608) **7.** *P*<0.001 comparison of ACE+7 to HARMONIC 700, In Vivo porcine carotid. (232054-221108) **8.** *P*<0.001 using simulated tissue media in distal 1/3 of jaw. Using mean of peak temperatures after system achieved steady state temperature with repeated, extended activations. Percentage calculated relative to 0° C. Adaptive Tissue Technology improved over algorithm in ACE+7. (216399-220728)

ELEVATING
THE ART OF PRECISION
FOR 30 YEARS

HARMONIC™ Portfolio

	HARMONIC™ 1100[1]	HARMONIC™ 700[2]	HARMONIC ACE™+[3]	HARMONIC FOCUS™+ Family[4]
Surgical Application	Ideal for precision and dissection to help you overcome your toughest challenges	Ideal for versatility in a variety of surgical procedures	Ideal for non-complex procedures without large vessels	Ideal for most open procedures in the upper body
Vessel Sealing	Securely seals vessels up to 7mm with Adv. Hemostasis	Securely seals vessels up to 7mm with Adv. Hemostasis	Securely seals vessels up to 5mm	Securely seals vessels up to 5mm
Blade Design	Longest, most curved, tapered blade	Curved and tapered blade	Curved and tapered blade	Slim blade design
Smart Energy Delivery	Improved Adaptive Tissue Technology	Improved Adaptive Tissue Technology	Adaptive Tissue Technology	Adaptive Tissue Technology
Sizes	20 cm, 36 cm	23 cm, 36 cm, 45 cm	23 cm, 36 cm	9 cm, 17 cm
Handpiece	None required	HARHPGR	HARHPGR	HARHPBL

HARMONIC™ enables exceptionally precise energy delivery and dissection with strong sealing—elevating your power to heal

References: 1. HARMONIC™ 1100 Shears Information for Use. Ethicon, Inc. **2.** HARMONIC™ 700 Shears Information for Use. Ethicon, Inc. **3.** HARMONIC ACE™+ Shears Information for Use. Ethicon, Inc. **4.** HARMONIC FOCUS™+ Shears Information for Use. Ethicon, Inc.

How to order

All purchase orders are made to Johnson & Johnson Health Care Systems, Inc. (JJHCS)

Electronic ordering options

Placing orders electronically avoids minimum order fees for hospitals.

Johnson & Johnson Gateway
Visit jnjgateway.com/commerce or call **1- 866-JNJ-GATE**

Global Healthcare Exchange
Visit ghx.com or call **1-800-YOUR-GHX**

Electronic Data Interchange
Call JJHCS EDI Help Line **1-800-262-2888**

Nonelectronic/manual ordering options

Call JJHCS at **1-800-255-2500** (option 1) between 8:30 AM and 8:00 PM Eastern time or fax your order to **1-832-562-2212** or **1-800-997-1122**. For more information or product support, call **1-877-ETHICON (384-4266)**.

Customer support

For product use assistance, clinical guidelines, service and repair, emergency assistance, copy of 510(k) clearance letter or complaints, please contact our Customer Support Center at **customersupport@eesus.jnj.com** or by calling **1-877-ETHICON (384-4266)**. Our support center is staffed 24 hours a day, 7 days a week by qualified nurses to answer your product-related questions.

For more information, contact your local Ethicon representative or call 1- 877-ETHICON (384-4266).

Ordering information

Ethicon code	Product name	Description
HAR1120	HARMONIC™ 1100 Shears with Advanced Hemostasis	Ultrasonic shears 5mm diameter 20 cm shaft length
HAR1136	HARMONIC™ 1100 Shears with Advanced Hemostasis	Ultrasonic shears 5mm diameter 36 cm shaft length
HAR723	HARMONIC™ 700 Shears with Advanced Hemostasis	Ultrasonic shears 5mm diameter 23 cm shaft length
HAR736	HARMONIC™ 700 Shears with Advanced Hemostasis	Ultrasonic shears 5mm diameter 36 cm shaft length
HAR745	HARMONIC™ 700 Shears with Advanced Hemostasis	Ultrasonic shears 5mm diameter 45 cm shaft length
HAR23	HARMONIC ACE™+ Shears	Ultrasonic shears 5mm diameter 23 cm shaft length
HAR36	HARMONIC ACE™+ Shears	Ultrasonic shears 5mm diameter 36 cm shaft length
HAR9F	HARMONIC FOCUS™+ Shears	Ultrasonic shears 9 cm shaft length
HAR17F	HARMONIC FOCUS™+ Long Shears	Ultrasonic shears 17 cm shaft length
GEN11	ETHICON GEN11 Generator	Generator compatible with all HARMONIC™ and ENSEAL™ devices
FSW11	ETHICON Generator Accessories	Foot switch and cable
HARHPGR	HARMONIC™ Gray Hand Piece	Compatible with HAR723, HAR736, HAR745, HAR23, HAR3
HARHPBL	HARMONIC™ Blue Hand Piece	Compatible with HAR9F, HAR17F, SNGCB, SNGHK, SNGHK2

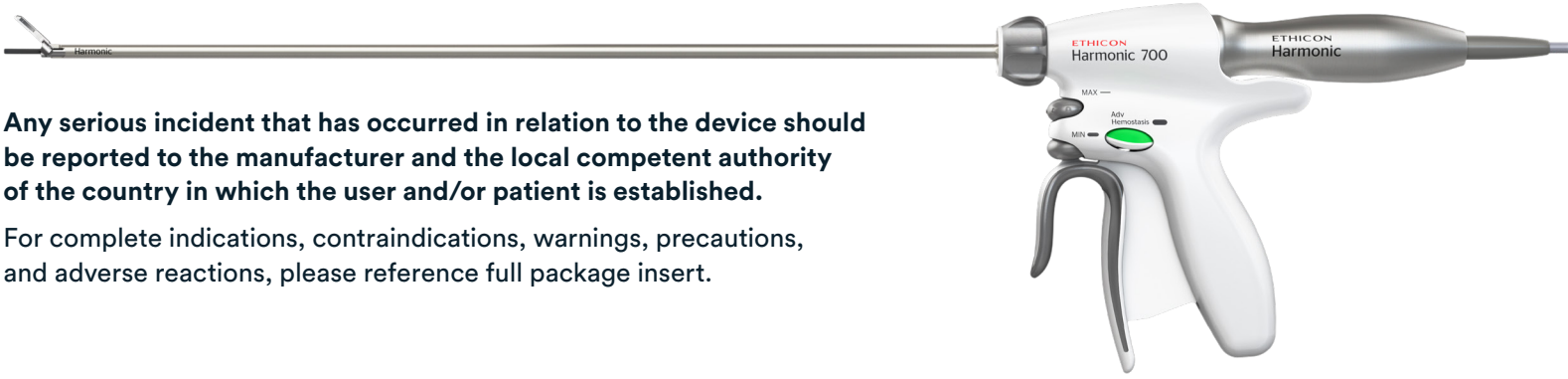
HARMONIC™ 700

Shears with Advanced Hemostasis

Precise energy delivery. Unmatched versatility.[1]

- Improved Adaptive Tissue Technology[2]
- Better performance[3-5]
- Better tissue protection[6-8]

Contact your local Ethicon representative or call 1- 877-ETHICON (384-4266).



Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the local competent authority of the country in which the user and/or patient is established.

For complete indications, contraindications, warnings, precautions, and adverse reactions, please reference full package insert.

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