Enseal®

ENSEAL® X1 Curved Jaw Tissue Sealer

More efficient[1]

ENSEAL® X1 Curved Jaw is an advanced bipolar device designed for use in open or laparoscopic surgical procedures. It has been completely redesigned to provide secure sealing with simplified steps-for-use.

More tissue per bite[2]

Capture more tissue per bite with a 16% longer jaw and 9% wider jaw aperture compared to LigaSure™ Maryland[2]

More secure grasping[3]

32% stronger distal tip grasping compared to LigaSure™ Maryland[3]

More continuous shaft rotation[4]

Continuous 360° shaft rotation to enable easy access to targeted tissue[4]

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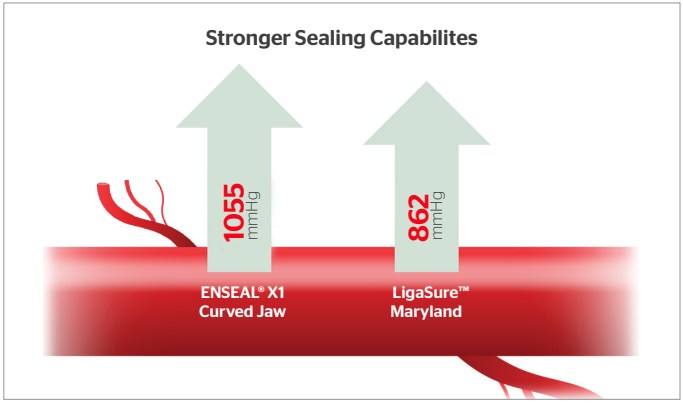
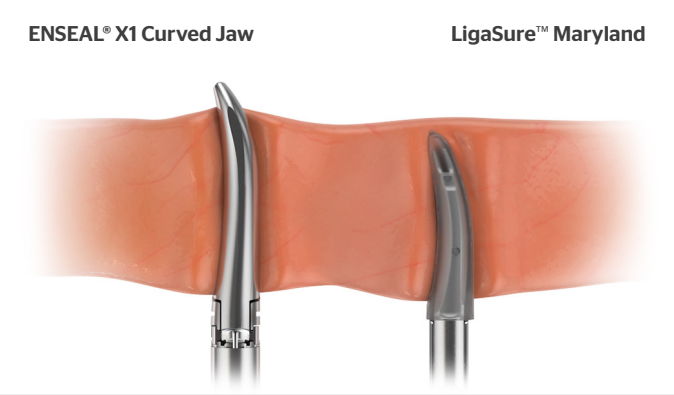
Improved efficiency and stronger sealing[5]





- Sealed vessels with **22% higher burst pressures** than LigaSure™ Maryland[6]
- Seal vessels up to and including **7mm and lymphatics**[7]
- Produces **minimal lateral thermal spread**[8]

In preclinical testing, **100% of vessels** sealed by ENSEAL® X1 Curved Jaw Tissue Sealer:

- **Achieved hemostasis** on the first pass
- **Maintained hemostasis** during an elevated blood pressure challenge to simulate a hypertensive crisis[9]

Product Code	Description	Shaft Lengths	Quantity / Sales Unit
NSLX125C	ENSEAL® X1 Tissue Sealer, Curved Jaw	25 cm	3
NSLX137C	ENSEAL® X1 Tissue Sealer, Curved Jaw	37 cm	3
NSLX145C	ENSEAL® X1 Tissue Sealer, Curved Jaw	45 cm	3

How to order

Electronic ordering options

All purchase orders are made to Johnson & Johnson Health Care Systems, Inc. (JJHCS). The following electronic order placement methods are preferred:

- J&J Gateway (www.jnjgateway.com)
  For questions about your order, please visit the website or call 1-866-JNJ-GATE
- Electronic Data Interchange – JJHCS Help Line: 1-800-262-2888

Non-electronic / Manual ordering options

JJHCS – Call 1-800-255-2500 between the hours of 8:30am and 8:00pm Eastern time, or fax your order to 1-732-562-2212

Customer Support

For product use assistance, clinical guidelines, service and repair, emergency assistance, copy of 501(k) clearance letter, or complaints, please contact our Customer Service Support Center by calling 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.

Visit www.ENSEAL.com/X1 for more information about the ENSEAL® X1 Tissue Sealers.

For complete product details, see Instructions for Use available at www.e-ifu.com.

For more information, contact your local Ethicon sales professional or go to www.enseal.com/X1

1. ENSEAL® X1 Curved Jaw Tissue Sealer can capture, seal and transect a longer length of tissue per single activation due to a 16% (or 3.4mm) longer jaw ($p < 0.001$) and a 19% (or 3.5mm) longer cut length ($p < 0.001$) compared to LigaSure™ Maryland (LF1937) (145163-200630). **2.** Based on metrology data, ENSEAL® X1 Curved Jaw Tissue Sealer has a 16% (or 3.4mm) longer jaw than LigaSure™ Maryland (LF1937) ($p < 0.001$) and ENSEAL® X1 Curved Jaw Tissue Sealer has a 9% (or 1.15mm) wider jaw aperture than LigaSure™ Maryland (LF1937) ($p < 0.001$) (145041-200629). **3.** Grasping force measured as the maximum amount of force required to pull porcine jejunum from the distal tip of device jaws. Comparison of ENSEAL® X1 Curved Jaw to LigaSure™ Maryland (LF1937) ($p < 0.001$) (145160-200630). **4.** As compared to devices with less than 360° degree shaft rotation (099992-181108). **5.** ENSEAL® X1 Curved Jaw has a longer jaw, longer cut length and wider jaw aperture compared to LigaSure™ Maryland (LF1937) ($p < 0.001$). In benchtop testing on porcine arteries, vessels sealed with ENSEAL® X1 Curved Jaw had a 22% higher average burst pressure than vessels sealed with LigaSure™ Maryland (LF1937), (1055mmHg vs. 862mmHg, $p < 0.001$). (145171-200630). **6.** Comparison of ENSEAL® X1 Curved Jaw to LigaSure™ Maryland (LF1937). Benchtop testing on porcine arteries (1055mmHg vs. 862mmHg, $p < 0.001$) (145069-200629). **7.** (093781-180619). **8.** Mean thermal spread measured via histology on porcine carotid arteries (095310-200519). **9.** 112 of 112 vessels sealed successfully on first pass in an acute porcine model. All seals maintained hemostasis during blood pressure challenge. During blood pressure challenge, systolic blood pressure was increased to at least 200 mmHg for a minimum of 10 minutes to simulate a hypertensive crisis (095317-200519).

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