

Enseal™

# More efficient<sup>1,2\*</sup>

ENSEAL™ X1 Curved Jaw Tissue Sealer



**ENSEAL™ X1 Curved Jaw** vs. **LigaSure™ Maryland**

<b>More tissue per bite<sup>1,2**</sup></b>	16% longer jaw and 9% wider aperture <sup>1,2**</sup>	✓	<b>X</b>
<b>More secure Grasping<sup>3#</sup></b>	32% stronger grasping <sup>3#</sup>	✓	<b>X</b>
<b>Stronger sealing capabilities<sup>6‡</sup></b>	Sealed vessels with 22% higher burst pressures than LigaSure™ Maryland <sup>6‡</sup>	✓	<b>X</b>
<b>Continuous rotation</b>	ENSEAL™ X1 Curved Jaw 360° shaft rotation to enable access to targeted tissue <sup>5</sup>	✓	<b>X</b>
Seals vessels up to and including 7mm and lymphatics <sup>10</sup>		✓	✓

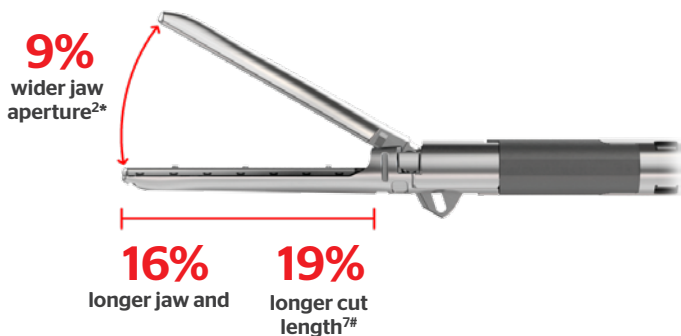
\*ENSEAL™ X1 Curved Jaw Tissue Sealer can capture, seal and transect a longer length of tissue per single activation due to a 16% (or 3.4mm) longer jaw (p < 0.001) and a 19% (or 3.5mm) longer cut length (p < 0.001) compared to LigaSure™ Maryland (LF1937).  
 \*\*Based on metrology data, ENSEAL X1 Curved 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).  
 #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)  
 ‡Comparison of ENSEAL X1 Curved Jaw to LigaSure™ Maryland (LF1937). Benchtop testing on porcine arteries (1055mmHg vs. 862mmHg, p < 0.001).

# ENSEAL™ X1 Curved Jaw



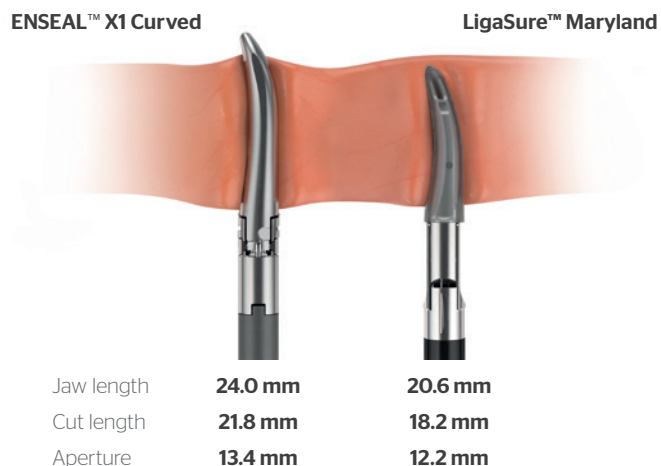
# LigaSure™ Maryland

More **tissue per bite**<sup>1,2\*\*</sup>



ENSEAL™ X1 Curved Jaw can capture more tissue per bite with a 16% longer jaw and 9% wider jaw aperture compared to LigaSure™ Maryland.<sup>1,2\*\*</sup>

More **secure grasping**<sup>3‡</sup>



ENSEAL™ X1 Curved Jaw demonstrated 32% stronger grasping with the distal tip compared to LigaSure™ Maryland.<sup>3‡</sup> Graphic for illustrative purposes only; depicting how ENSEAL™ X1 Curved Jaw can enable more efficiency thru capturing more tissue per bite compared to LigaSure™ Maryland.<sup>1,2\*\*</sup>

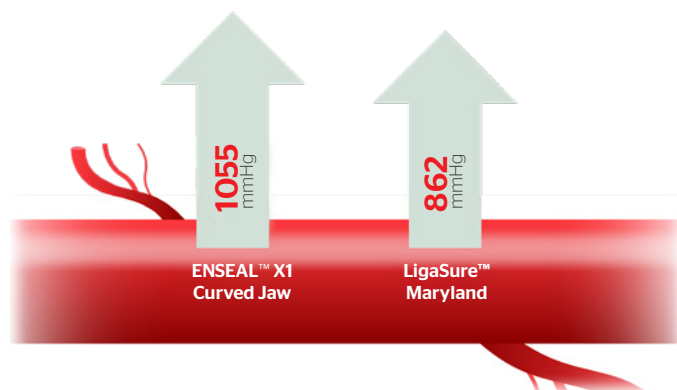
**Ease of use**<sup>8,9†</sup>



ENSEAL™ X1 Tissue Sealers:

- Have 360° shaft rotation to enable access to targeted tissue.<sup>4,5</sup>

**Stronger sealing capabilities**<sup>6‡</sup>



ENSEAL™ X1 Curved Jaw had 22% higher average burst pressures than LigaSure™ Maryland.<sup>6‡</sup>

**For more information, contact your local Ethicon Sales Representative or go to [www.jnjmedicaldevices](http://www.jnjmedicaldevices).**

\*Metrology report comparing the jaw aperture of ENSEAL X1 Curved Jaw to LigaSure™ Maryland (LF1937) (p < 0.001) \*\*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). #Metrology report comparing ENSEAL™ X1 Curved and Articulating Jaw to LigaSure™ Maryland (LF1937) (p < 0.001) ‡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) †88.9% of Surgeons questioned (n.27) rated the ENSEAL™ CURVED as better or the same in terms of ease of use vs. their current LigaSure™ device simulated-use animate porcine lab †Comparison of ENSEAL X1 Curved Jaw to LigaSure™ Maryland (LF1937). Benchtop testing on porcine arteries (1055mmHg vs. 862mmHg, p < 0.001).

References: 1. Ethicon, Project Floyd: Claims Metrology Report, June 2018, PRC079564B (145163-200630, 145041-200629) 2. Ethicon, Floyd Relaunch Claims Metrology, June 2020, PRC095763A (145163-200630, 145041-200629, 145034-200629) 3. Ethicon, Floyd Relaunch Claims Grasping Force, June 2020, PRC096063A (145160-200630, 149828-200813) 4. As Per Instructions For Use (152441-200909, 152981-200915) 5. Ethicon, DOC023555A, A Floyd Claims Memo - Industrial Design, July 2018, Data on File (152441-200909) 6. Ethicon, Floyd Relaunch Claims Ex-Vivo Sealing, June 2020, PRC094697A (145069-200629) 7. Ethicon, PRC079564B, Project Floyd Claims Metrology Report, June 2018, Data on File (152466-200909) 8. Ethicon, DOC023555A, A Floyd Claims Memo - Industrial Design, July 2018, Data on File (152982-200915, 152441-200909, 116498-190612) 9. Ethicon, P5P007612A, Evaluation of ENSEAL™ X1 Tissue Sealer NSLX137C, Curved Jaw, in an Acute Porcine Model, Feb 2020, Data on File (145165-200630) 10. As Per Instructions For Use (130176-200102)