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LigaSure™ XP Maryland jaw devices

Take vessel sealing to the next level.

Offering one-step or latching handle designs, LigaSure™ XP Maryland jaw devices provide surgeons new levels of performance,[1,†,‡,§] precision,[1,†,‡] and procedural efficiency[1,‡,Ω] in vessel sealing.

Performance

- Confidence to reliably seal thick tissue[2,3,§,††]
- Longer seal plate length and optimal jaw force for grasping, manipulating, and sealing thick tissue[3,4,§,‡‡]

Precision

- Jaw design makes it easier to access tissue planes[2,§§,ΩΩ]
- Curved jaws enable fine dissection and skeletonization of vessels[2,††]

Procedural efficiency

- Longer jaws seal and transect more tissue per bite[2,ΩΩ,†††]
- 360-degree continuous jaw rotation improves efficiency with undisrupted movement[2,††,ΩΩ]

True to legacy LigaSure™ device performance

- Equivalent jaw and shaft temperatures after multiple activations[5]
- Same LigaSure™ technology standard of less than 2 mm mean lateral thermal spread[6,7]



†Compared to their current preferred device; 21 of 23 surgeons agreed during clinical procedures. ‡The LigaSure™ XP Maryland jaw device is indicated for use in general surgery and such surgical specialties as colorectal, bariatric, urologic, vascular, thoracic, and gynecologic. §Thick tissue is defined as nondissected vascular tissue or fatty tissue. ΩCompared to their current preferred device; 20 of 23 surgeons agreed during clinical procedures. ††29 out of 29 surgeons agree. ‡‡Bench tissue may not be indicative of clinical tissue performance but is a controllable substitute acceptable to regulatory bodies. §§24 out of 29 surgeons agree. ΩΩCompared to legacy LigaSure™ devices. †††28 out of 29 surgeons agree.

Performance advantages give you the edge.

The LigaSure™ XP Maryland jaw device does more than take our trusted vessel sealing technology to the next level. It also outshines the Ethicon Enseal™* X1 curved jaw device in areas of performance critical to your OR – and your patients.

LigaSure™ XP Maryland jaw device vs. Ethicon Enseal™* X1 curved jaw device

- **32% increase** in average burst pressure on large vessels[8,†,‡]
- **2.9 times higher** average burst pressure on thick tissue[3,‡,§]
- **38% faster** activation time in acute tissue[6]
- **13% reduction** in tissue sticking[9,‡]

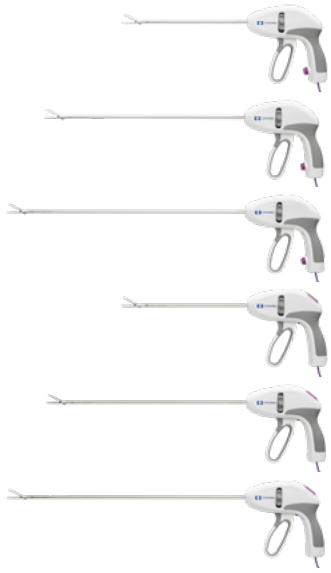
See the LigaSure™ XP difference



Ordering information

Two handle designs. Three device lengths.

LXMJ23S	Open Sealer/Divider, One-step Sealing, Nano-coated, 5 mm – 23 cm	6 per case
LXMJ37S	Laparoscopic Sealer/Divider, One-step Sealing, Nano-coated, 5 mm – 37 cm	6 per case
LXMJ44S	Laparoscopic Sealer/Divider, One-step Sealing, Nano-coated, 5 mm – 44 cm	6 per case
LXMJ23L	Open Sealer/Divider, Latching Handle, Nano-coated, 5 mm – 23 cm	6 per case
LXMJ37L	Laparoscopic Sealer/Divider, Latching Handle, Nano-coated, 5 mm – 37 cm	6 per case
LXMJ44L	Laparoscopic Sealer/Divider, Latching Handle, Nano-coated, 5 mm – 44 cm	6 per case



It's time for an upgrade. Bring the LigaSure™ XP Maryland jaw device to your OR.

Call your Medtronic sales rep today.

†Large vessels are defined as 5.1–7.0 mm. ‡Bench tissue may not be indicative of clinical tissue performance but is a controllable substitute acceptable to regulatory bodies. §Thick tissue is defined as nondissected vascular tissue or fatty tissue.

1. Based on internal report #RE00457416 Rev A, Product introduction report: LigaSure™ XP Maryland jaw sealer/divider. May 2023. **2.** Based on internal report #RE00376094 Rev A, LigaSure™ XP Maryland jaw sealer/divider surgeon validation marketing report. Dec. 7–9 and 14–16, 2021. **3.** Based on internal report #RE00442444 Rev A, Comparison of the renal artery bench bundle burst pressure performance with the LigaSure™ XP Maryland jaw sealer/divider, Voyant™* Maryland Fusion, Enseal™* X1 curved jaw, and LigaSure™ LF19XX devices. Jan. 23, 2023. **4.** Based on internal report #RE00372649 Rev A, Archer surgeon summative evaluation report. March 22, 2022. **5.** Based on internal test report #RE00380832 Rev A, Thermal profile comparison with the LigaSure™ XP Maryland jaw sealer/divider, Aesculap Caiman™* 5 Maryland, Applied Medical Voyant™* Maryland Fusion, Ethicon Enseal™* X1 curved jaw, Ethicon Harmonic™* 1100, Sonicision™ 7 curved jaw ultrasonic, and LigaSure™ LF18XX and LF19XX devices. May 3–5, 2022. **6.** Based on internal test report #RE00380826 Rev A, Acute porcine study comparison with the LigaSure™ XP Maryland jaw sealer/divider, Aesculap Caiman™* 5 Maryland, Applied Medical Voyant™* Maryland Fusion, Ethicon Enseal™* X1 curved jaw, Ethicon Harmonic™* 1100, Sonicision™ 7 curved jaw ultrasonic, and LigaSure™ LF18XX and LF19XX devices. May 9,12, and 23–24, 2022. **7.** Based on internal test report #RE00366088 Rev A, LigaSure™ XP Maryland jaw sealer/divider in an acute hemostasis and thermal spread porcine study. **8.** Based on internal report #RE00380822 Rev A, Comparison of the renal artery seal burst pressure performance with the LigaSure™ XP Maryland jaw sealer/divider, Caiman™* 5 Maryland, Voyant™* Maryland Fusion, Enseal™* X1 curved jaw, Sonicision™ 7 curved jaw, Harmonic™* 1100, LigaSure™ LF18XX, and LF19XX devices. **9.** Based on internal report #RE00380835 Rev B, Sticking evaluation with the LigaSure™ XP Maryland jaw sealer/divider, Aesculap Caiman™* 5 Maryland, Voyant™* Maryland Fusion, Ethicon Enseal™* X1 curved jaw, LigaSure™ LF18XX blunt tip, and LF19XX Maryland devices.

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