A VESSEL SEALER **DESIGNED FOR PULMONARY VASCULATURE.**[1–5]

The first — and only — minimally invasive LigaSure™ device **designed for VATS procedures** and indicated for sealing pulmonary veins and arteries up to and including 7 mm[1–6,†]

The multifunctional LigaSure™ Maryland jaw thoracic sealer/divider complements thoracic procedures by providing:

- One-step vessel sealing[7]
- Enhanced blunt dissection[8,9,‡]
- Secure, atraumatic grasping[8,9,§]
- Cold cutting[7,8]

†As of March 23, 2018, based on indications for use for laparoscopic LigaSure™ devices. ‡23 of 32 surveyed after use agreed when compared to surgeon's primary device. §33 of 33 surgeons surveyed after use agreed.

Medtronic
Further, Together

ADVANCED ENERGY. **ADVANCED BENEFITS.**

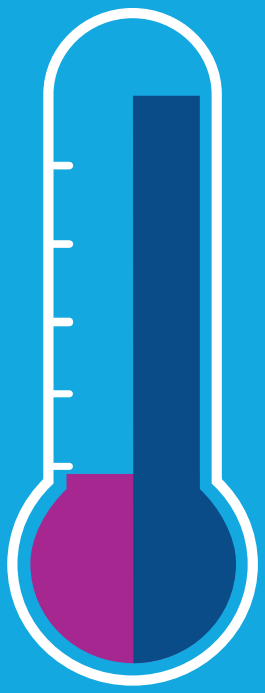
The LigaSure™ Maryland jaw thoracic device brings the benefits of LigaSure™ technology to pulmonary surgery. Here's what that means for your procedures.

A Cooler Option

COOLER AFTER A SINGLE ACTIVATION[8,14,‡‡]

64 C
LigaSure™ Maryland jaw thoracic device[‡‡]

222 C
Harmonic™* HD 1000i[‡‡]



Optimized for the Pulmonary Vasculature

The LigaSure™ thoracic device includes features such as:

- Narrowed jaw specifications fine-tuned for performance on pulmonary vessels
- A 30 cm shaft length to provide a reach similar to commonly used VATS tools

Enhanced Jaw Technology

The LigaSure™ thoracic device has proprietary nano-coated jaws that reduce:

- Sticking[8,10,†]
- Eschar buildup[8,11,‡]
- Cleanings[8,11,§]

Designed for an Efficient OR

The multifunctional LigaSure™ thoracic device may:

- Reduce procedure time[13,Ω]
- Reduce instrument exchanges[8,12,††]
- Enable a more efficient procedure[13,Ω]

COOLS DOWN FASTER TO 60 C AFTER A SINGLE ACTIVATION[8,14,§§]

LigaSure™ Maryland thoracic device[§§]

Harmonic™* HD 1000i [§§]

†Compared to the Ethicon ENSEAL™*, Applied Medical Voyant™*, and the original LigaSure™ Maryland jaw device. Tissue sticking to device jaws instances measured over 110 seals per device (ForceTriad™ energy platform). F1930T is only compatible with the Valleylab™ FT10 energy platform. ‡Compared to the original LigaSure™ Maryland jaw device. Eschar buildup assessed using optical imaging analysis after 60 seal and divide cycles. §Compared to the original LigaSure™ Maryland jaw device. Cleaning effectiveness assessed after each of two cleaning cycles. Ω19 of 21 thoracic surgeons surveyed after using agreed when compared to their currently preferred method. ††20 of 32 surgeons surveyed after use agreed when compared to their currently preferred method. ‡‡Harmonic™* HD 1000i is indicated for thoracic procedure but is not specifically indicated for pulmonary vasculature. Temperature based on single activation. Harmonic™* HD 1000i was measured while using advanced hemostasis. All seals were performed on systemic vasculature. §§Based on systemic vasculature.

ORDERING **INFORMATION**

LigaSure™ Maryland Jaw Thoracic Sealer/Divider

LF1930T | 6 each

Bring the benefits of LigaSure™ technology to your VATS and thoracoscopic procedures

Call your sales rep for more information or to order

medtronic.com/valleylab

1. Based on internal report #RE00138840, LIG-45 memo, device length recommendation, thoracic (LF1930T). Feb. 6, 2018. **2.** Based on internal test report #RE00125866, Jaw force and gap range burst pressure evaluation of EB4 thoracic Maryland device (LF1930T); conducted on bovine tissue. Nov. 20–21, 2017 and Nov. 27–30, 2017. **3.** Based on internal test report #RE00134865, Burst pressure verification of pulmonary bovine veins (LF1930T). Jan. 17-18, 2018. **4.** Based on internal test report #RE00122515, Verification of the LigaSure™ LF1930T device in a GLP chronic hemostasis canine study on pulmonary vasculature. Jan. 8–10, 2018. **5.** Based on internal test report #RE00128442, GLP acute pulmonary vasculature hemostasis verification study of the LF1930T in hounds. Dec. 8, 2017. **6.** Based on internal report #RE00147462, Pulmonary sealing claims for the LigaSure ™ LF1930T device (memo). March 29, 2018. **7.** LigaSure™ Maryland Jaw Thoracic Sealer/Divider, Nano-Coated [instructions for use]. Boulder, CO: Medtronic; 2017. **8.** Based on internal test report #RE00140529 rev A, LigaSure™ Maryland device, nano-coated (LF19XX) tissue testing (memo). March 5, 2018. **9.** Based on internal test report #R0035742, Maryland validation, Houston and Los Angeles: independent surgeon feedback collected during porcine labs. April 16–18 and April 30–May 3, 2013. **10.** Based on internal test report #RE00073194 , Tissue sticking comparison of the Ethicon G2™*, Voyant™* 5 mm Fusion, LigaSure™ LF1737, and LigaSure™ LF1937 devices conducted on porcine tissue using the ForceTriad™ energy platform. Jan. 18, 2017. **11.** Based on internal test report #RE00071599, LF19XX MJC marketing claims testing conducted on porcine tissue, Feb. 7–22, 2017. **12.** Based on internal test report #RE00071598, Maryland validation labs, Houston and Los Angeles: independent surgeon feedback collected during porcine labs. April 16–18 and April 30–May 3, 2013. **13.** Based on internal test report #RE00100005, Marketing validation of LF1930T: LigaSure™ Maryland jaw thoracic vessel sealer/divider, Houston and Lexington, MA; independent surgeon feedback collected during porcine labs. Jan. 17–18 and Jan. 23–24, 2018. **14.** Based on internal test report #R0032385 rev A, Thermal profile comparison of Ethicon Harmonic™* HD1000i shears versus nano-coated LigaSure™ Maryland jaw device on the Valleylab™ FT10 energy platform. May 17–18, 2017 and June 14, 2017.

Medtronic