Medtronic

LigaSure™ RAS Maryland jaw vessel sealer/divider

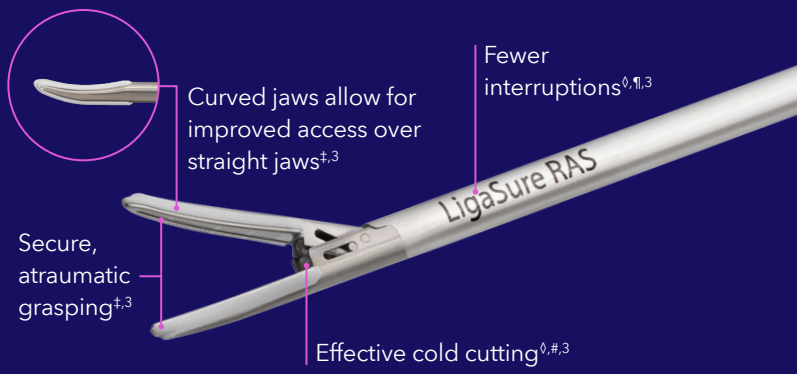
Unlock more choice in surgery.

LigaSure™ technology has earned the trust of surgeons in more than 45 million procedures† – and it's launching a new era in robotic-assisted surgery (RAS). The LigaSure™ RAS Maryland jaw vessel sealer/divider is the first robotically driven LigaSure™ instrument, combining the reliable vessel sealing of the ValleyLab™ FT10 generator with the versatility of the Hugo™ RAS system.[1,2]

Reliable vessel sealing for robotic procedures‡,3

- Seals vessels up to 7 mm in diameter§,4,5
- Same LigaSure™ technology burst pressure performance standard of 360 mmHg (3x systolic blood pressure)§,4,5
- Provides effective ligation and division of vessels, thick tissue (tissue bundles), and lymphatics#,1,2,6

Multifunctional design for improved procedural efficiency◊,¶,3



† Based on internal sales data from FY01–FY27.
‡ 16 of 16 surgeons surveyed after use agreed. May not be indicative of clinical performance.
§ Bench tissue and animal model may not be indicative of clinical tissue performance.
◊ 15 of 16 surgeons surveyed after use agreed. May not be indicative of clinical performance.
¶ Compared to procedures without a vessel sealer.
# May not be indicative of clinical performance.

Confidence in every seal.

The LigaSure™ RAS Maryland device is available exclusively on the Hugo™ RAS System, which enables wider adoption of minimally invasive surgery and its benefits.

- Independent arm carts give you increased range of motion for better access to anatomy†,7
- A modular design can provide you with increased maneuverability†,7
- 3-D visualization features

Contact your Medtronic representative or scan here for more information.

medtronic.com/LigaSureOnHugo

Product code:	MRASILF19
Description:	LigaSure™ RAS Maryland jaw vessel sealer/divider
Quantity:	6 per box

Important Safety Information

The LigaSure™ RAS Maryland jaw vessel sealer/divider is designed for use with the Hugo™ robotically assisted surgical (RAS) system and the Valleylab™ FT10 energy platform (VLFT10GEN). The LigaSure™ RAS Maryland jaw vessel sealer/divider is a single-use bipolar electrosurgical instrument intended for use in robotic assisted minimally invasive surgical procedures where ligation and division of vessels, thick tissue (tissue bundles), and lymphatics is desired. Refer to the Valleylab™ FT10 Energy Platform User Guide and the Hugo™ RAS System User Guide for setup information and specific indications, contraindications, warnings, and precautions.

Surgeries using this instrument carry some residual risk, even when used by trained physicians. The potential adverse events associated with the use of this device include, but are not limited to; airway obstruction, allergic reaction, arrhythmia, bleeding, burns (including thermal and bowel), carcinogen exposure, cardiac arrest, electric shock, foreign body in patient, Infection, nerve damage, perforation (including vessel and organ), thromboembolism, and tissue trauma. Use of this equipment without specific procedure training may result in serious unintended patient injury.

The Hugo™ RAS system was evaluated for its effectiveness and safety of specific procedures as a surgical tool for controlling robotic instruments, but not for clinical outcomes related to cancer or other diseases. The potential adverse events associated with the use of robotically assisted surgical devices include, but are not limited to: arrhythmia, bleeding, blunt trauma, bowel perforation, burns (varying degrees, bowel, thermal), crushing injury, delay of treatment (prolonged procedure), electric shock, foreign body in patient, infection, inflammation, tissue damage/trauma, toxicity, or vessel perforation. Please refer to the Hugo™ RAS System User Guide and Hugo™ RAS System Indications Document for complete indications, contraindication and risk information.

† The surgical setup referenced in this publication was not evaluated or tested by Medtronic. Please note that if using this setup, the device may not reach all regions of the intended surgical field, resulting in decreased workspace at the bedside and/or increased arm collisions. These situations may lead to procedure delays and/or harm to patient or user.

1. LigaSure™ RAS Maryland [Instructions for Use]. **2.** Based on internal test report #RE00476319_B, Verification Acute. Table 1. Based on a porcine model. Oct 19, 2019. **3.** Based on internal test report #RE00540481, LigaSure™ RAS Maryland jaw sealer/divider surgeon validation marketing report. Based on porcine model. April 26–May 3, 2024. **4.** Based on internal test report #RE00476260_A, Marystein BenchBurst. Table 1. Aug 15, 2024. **5.** Based on internal test report #RE00476323_A, Ver Chronic summary of results. Based on a porcine model. Dec 9, 2023. **6.** Based on internal test report #RE00476346_A, Marystein LymphBurst. Table 1. Based on a porcine model. Aug 11, 2024. **7.** Mintz Y, Pikarsky AJ, Brodie R, Elazary R, Helou B, Marom G. Robotic inguinal hernia repair with the new Hugo RAS™ system: first worldwide case series report. *Minim Invasive Ther Allied Technol*. 2023;32(6):300–306.

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