

SynchroSeal from da Vinci Energy

Streamline sealing.¹ Optimize performance.²

Get enhanced efficiency³ and versatility⁴ from a single instrument with an average seal time of fewer than two seconds.⁵

With a single pedal press, SynchroSeal enables you to confidently seal and cut vessels up to 5 mm in diameter and tissue bundles that fit in the jaws.

Use the refined, curved jaw for enhanced dissection⁴ and secure grasping,⁶ all from an articulating wrist that may help you approach anatomy at your preferred angle.¹

01

Raised cut electrode for transection with bipolar energy

02

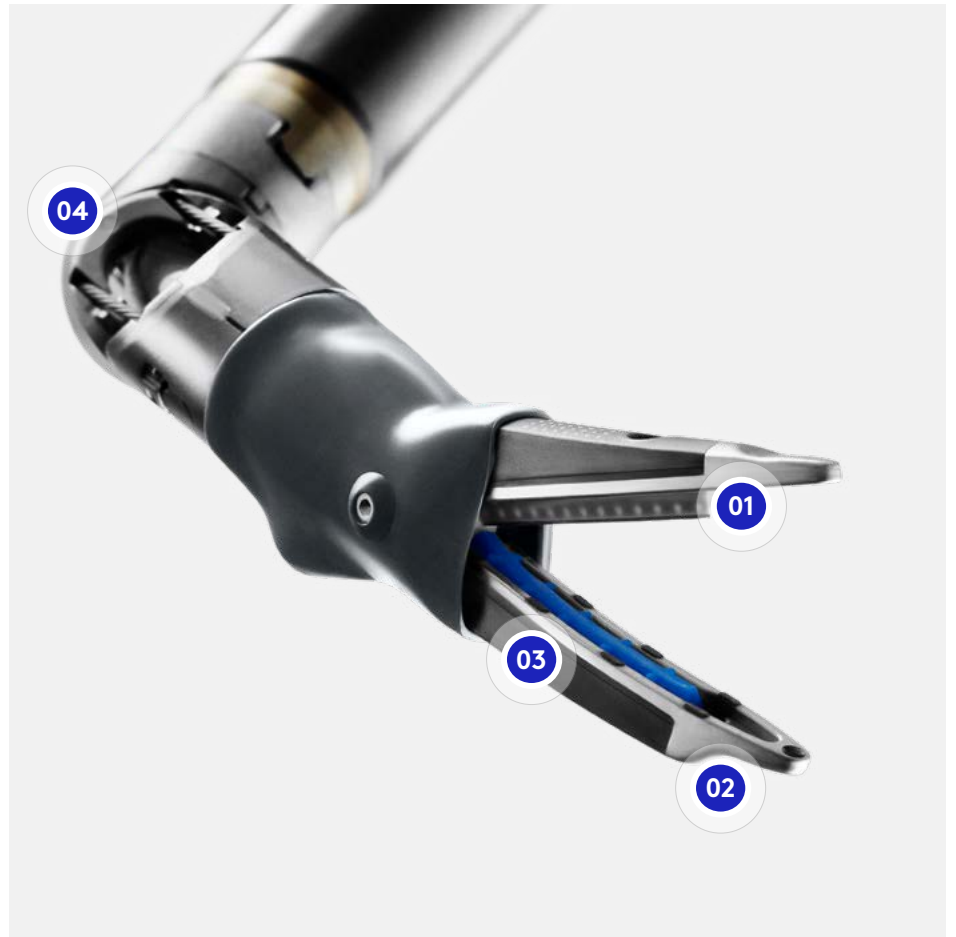
Curved jaw for enhanced dissection⁴

03

Sealing electrodes for strong, reliable seals with 1-2 mm of lateral thermal spread¹

04

60° fully wristed articulation to approach anatomy at your preferred angle¹



1. Data on file.

2. Compared to HARMONIC ACE+7.

3. Compared to Vessel Sealer Extend with ERBE VIO dV in terms of faster estimated workflow and seal activation times.

4. Compared to Vessel Sealer Extend with ERBE VIO dV.

5. Mean seal time based on seal time from seal and sync mode.

6. Compared to HARMONIC ACE+7. Based on benchtop testing performed using a Tekscan pressure-mapping sensor and a force gauge.



Powered by the E-100 generator from da Vinci Energy⁷

Seamlessly integrates into the da Vinci X and da Vinci Xi surgical systems to power SynchroSeal and Vessel Sealer Extend¹

Three energy modes: coagulation, sealing, and transection¹

When paired with SynchroSeal, enables an average seal time of fewer than two seconds⁵

When paired with Vessel Sealer Extend, enables fast sealing times and low jaw temperatures⁸

1. Data on file.
5. Mean seal time based on seal time from seal and sync mode.
7. Da Vinci Energy includes: SynchroSeal with E-100 and VSE with E-100.
8. Compared to Vessel Sealer Extend with ERBE VIO dV in terms seal activation times.

Ordering Information

Part Number	Product Description	Uses	Quantity/Box
480440	SynchroSeal	Single use	6 units per box
378848	E-100 Generator	N/A	1 unit

To learn more about da Vinci Energy products, visit:

www.intuitive.com/en-gb

To contact a representative or receive additional information:

Visit www.intuitive.com/en-gb or call Intuitive Customer Service:

Europe

+41.21.821.2020 or
+800.0821.2020 (toll free)

Product Information

Da Vinci X and Xi Surgical Systems

The Intuitive Surgical Endoscopic Instrument Control Systems (da Vinci X and da Vinci Xi Surgical Systems) are intended to assist in the accurate control of Intuitive Surgical Endoscopic Instruments during urologic surgical procedures, general laparoscopic surgical procedures, gynecologic laparoscopic surgical procedures, general thoracoscopic surgical procedures, and trans-oralotolaryngology surgical procedures restricted to benign tumors and malignant tumors classified as T1 and T2, and for benign base of tongue resection procedures. The systems are indicated for adult and pediatric use (except for trans-oral otolaryngology surgical procedures). They are intended to be used by trained physicians in an operating room environment.

The da Vinci X and da Vinci Xi Surgical Systems are class IIb medical devices CE marked (CE2460) under the European Medical Devices Directive (93/42/EEC), manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

SynchroSeal

SynchroSeal is a bipolar electro-surgical instrument for use with a compatible da Vinci Surgical System and a compatible electro-surgical generator. It is intended for grasping, dissection, sealing and transection of tissue. SynchroSeal can be used to seal vessels up to and including 5 mm in diameter and tissue bundles that fit in the jaws of the instrument. SynchroSeal has not been shown to be effective for tubal sterilization or tubal coagulation for sterilization procedures and should not be used for these procedures.

The SynchroSeal is a class IIb medical devices CE marked (CE 2460) under the European Medical Devices Directive (93/42/EEC), manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

Vessel Sealer Extend

The Vessel Sealer Extend is a bipolar electro-surgical sealing and cutting instrument for use with the da Vinci Xi and da Vinci X Surgical Systems and the compatible electro-surgical generator. It is intended for grasping and blunt dissection of tissue and for bipolar coagulation and mechanical transection of vessels up to 7 mm in diameter and tissue bundles that fit in the jaws of the instrument. The Vessel Sealer Extend has not been shown to be effective for tubal sterilization or tubal coagulation for sterilization procedures, and should not be used for these procedures.

The Vessel Sealer Extend is a class IIb medical device CE marked (CE 2460) under the European Medical Devices Directive (93/42/EEC), manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

E-100 Electro-surgical Generator

E-100 Electro-surgical Generator is an electro-surgical unit (ESU) intended to deliver high-frequency energy (HF) for cutting, coagulation and vessel sealing of tissues. The E-100 Electro-surgical Generator is a class IIb medical devices CE marked (CE 2460) under the European Medical Devices Directive (93/42/EEC), manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

ERBE

The ERBE Electro-surgical Generator unit (ESU) VIO 300D is intended to deliver High Frequency (HF) current for the cutting and/or coagulation of tissue.

The ERBE VIO 300D is a class IIb medical device CE marked (CE 0124) under the European Medical Devices Directive (93/42/EEC) manufactured by ERBE Elektromedizin GmbH. Refer to Instructions For Use before use.

Legal Notices

Individuals' outcomes may depend on a number of factors, including but not limited to patient characteristics, disease characteristics and/or physician/surgeon experience.

The information contained in this document has been checked and compiled with the greatest care. However, no responsibility is taken for its correctness, completeness and topicality. It is the sole responsibility of the recipient to check all information before using it in the individual case.

Some products, features or technologies may not be available in all countries. Please contact your local Intuitive representative for product availability in your region.

Privacy Notice

Intuitive's Privacy Notice is available at www.intuitive.com/privacy.

© 2022 Intuitive Surgical Operations, Inc. All rights reserved. Product and brand names/logos are trademarks or registered trademarks of Intuitive Surgical or their respective owner.