

Vessel Sealing Reinvented.

Precise, multifunctional devices that perform with the finesse of a surgical instrument and the gold-standard efficacy of advanced bipolar vessel sealing^{1,2,3}

Activation Button

- initiates sealing
- average seal time < 1.4 sec⁵
- energy delivery stops automatically when seal is complete

CoolSeal'

Cord

• connects to the

CoolSeal Generator

Rotation Knob

• continuous 360° rotation



Handle

 designed to optimize ergonomics

Cutting Trigger

• enables division of tissue

5 mm Laparoscopic Sealer/Divider/Dissector

A true all-in-one surgical instrument that keeps pace with the surgeon's procedural rhythm, creating fast, reliable seals in vessels up to 7 mm.4

Lever

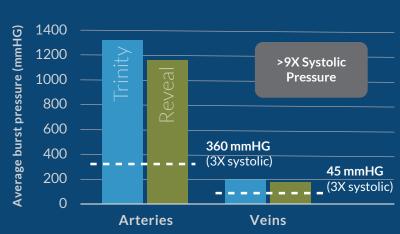
- opens and closes jaws • surgeon-controlled, no loading springs
- latching mechanism ensures correct sealing pressure

Shaft Diameter	5 mm
Shaft Lengths	30 cm, 37 cm, 44 cm
Jaw Length	20 mm
Seal Length	19 mm
Cut Length	18 mm

CoolSeal produces consistently strong, secure seals in under 2 seconds



CoolSeal Burst Pressures 4,6



5 mm shaft

• available in 3 lengths

Maryland Style Jaws

- thin, curved shape
- double-action movement

Cord

Levers

• ergonomic, inline hemostat design

 connects to the CoolSeal Generator **CoolSeal**



CoolSeal

Rotation Knob • rotates 335°

• thin, curved shape

Fine Jaws

• double-action movement

Cutting Trigger

- enables division of tissue

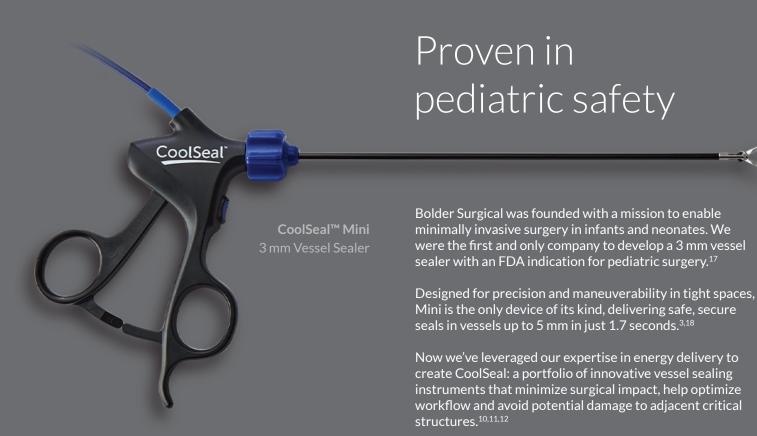
Activation Button 10 cm shaft

- initiates sealing
- average seal time < 1 sec⁷
- designed for improved acccess and visibility

Open Sealer/Divider/Dissector

When space is limited and visibility of the surgical field is essential, Reveal is tailor-made to perform with precision, sealing vessels up to 6 mm while minimizing the thermal footprint.^{2,6}

Shaft Diameter	5 mm	
Shaft Length	10 cm	
Jaw Length	12 mm	
Seal Length	11 mm	
Cut Length	10 mm	





CoolSeal™ Energy Delivery

All CoolSeal devices are powered with the gold-standard efficacy of advanced bipolar RF vessel sealing technology. The 50W CoolSeal generator delivers precisely the power needed and automatically discontinues power when the seal is complete.

Experience vessel sealing reinvented with CoolSeal features a low thermal profile, with outer the CoolSeal™ Suite of surgical instruments jaws that stay cool. 10,11,12 **CoolSeal Advanced Bipolar** CoolSeal Reveal CoolSeal Mini **CoolSeal Trinity** Other Advanced Bipolar LigaSure™ CoolSeal devices feature Maryland slim, dual-action jaws. LigaSure^{TI} • Precisely dissect, grasp and seal with **Exact** jaws that are between 42-46% narrower than comparable LigaSure™ devices.15,16 • The multifunctional, dual-action jaws Harmonic are designed to limit instrument Focus® Ultrasonic exchanges and reduce procedure time. Harmonic Ace®-Monopolar Monopolar Hook Monopolar Fast, reliable seals with CleanCoat < 1 mm thermal spread 1,2,3 Cool, outer jaws avoid irreversible damage to adjacent tissue. 10,11,12 Inside of jaws cool quickly so the surgeon can move to the next task. 13,14

Specifications

	Catalogue No.	Shaft Length	Shaft Diameter	Jaw Length	Jaw Design
CoolSeal Reveal	CSL-RV105-10	10 cm	5 mm	12 mm	Maryland
CoolSeal Trinity	CSL-TR105-30	30 cm	5 mm	20 mm	Maryland
	CSL-TR105-37	37 cm	5 mm	20 mm	Maryland
	CSL-TR105-44	44 cm	5 mm	20 mm	Maryland
CoolSeal Mini	CSL-MN103-20	20 cm	3 mm	10 mm	Maryland
CoolSeal Generator	CSL-200-50	_	-	-	-

Elevate your expectations with the CoolSeal™ suite of products

At Bolder Surgical, our mission is to elevate expectations in surgery, with advanced instruments that take surgical energy delivery to the next level, translating to better patient outcomes, greater proficiency for surgeons and improved efficiency for hospitals.

We revolutionized minimal impact surgery with microsurgical devices that combine the safety of advanced bipolar RF sealing technology with the precision and versatility of true surgical instruments. The CoolSeal vessel sealing portfolio offers practical solutions for a range of surgical procedures that benefit from smaller incisions and minimal patient impact.

Contact your representative or visit us at www.boldersurgical.com for more information or to schedule a demonstration of CoolSeal.

References

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- 3 "A simplified, low power system for effective vessel sealing. Lyle A, Kennedy J, Schmaltz D, Kennedy A. The International Society for Optic and Photonics(SPIC) 2015."
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- 8 Medtronic Brochure, 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.

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- Critical structures tested include bowel and vasculature. Internal report BOLD-1901
- ¹¹ Critical structures tested include bowel and vasculature. Internal report BOLD-2001
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- Average cooling time following a single activation. Internal Report NAR-EN-17449_1
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331 S. 104th Street Suite 200 Louisville, CO 80027 P: 720-287-7133 F: 720-287-7135

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