



CoolSeal[™]

Vessel sealing reinvented
for pediatric surgery.

CoolSeal™ Vessel Sealing Suite

The **ONLY** advanced bipolar vessel sealing portfolio indicated for pediatric surgery in the U.S.^{1,2,3}

CoolSeal Trinity 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 an average of 1.4 seconds^{4,5} with less than 1 mm thermal spread⁶.

Slim, curved dual-action jaws precisely dissect, grasp and seal. Low-profile design optimizes visualization and access.

CoolSeal™
TRINITY

CoolSeal™
MINI

CoolSeal™
REVEAL

The finesse and precision of a true surgical instrument.

- A suite of multi-functional devices specifically designed for small surgical spaces and delicate structures.
- Performs with the gold-standard efficacy of advanced bipolar vessel sealing technology.
- Less instrument exchange streamlines workflow and may reduce operative time.

CoolSeal Mini 3 mm Sealer

FDA-indicated for pediatric surgery, Mini is designed for precision and maneuverability in tight spaces, delivering the right amount of energy for safe, secure seals in just 1.6 seconds^{3,7}, while avoiding damage to adjacent critical structures⁸.

CoolSeal Reveal Open Sealer/Divider/Dissector

Reveal is a whole new way to view vessel sealing. When space is limited and visibility of the surgical field is essential, Reveal is tailor-made to perform with precision while minimizing thermal footprint and avoiding damage to adjacent critical structures^{9,10}.

Designed for safety, built for speed.

- Low thermal profile and cool outer jaws avoid danger of irreversible damage to adjacent critical structures^{8,10,11}.
- Inside jaws cool rapidly, so surgeons can move quickly to the next task^{12,13}.
- Consistently produce strong, secure seals so you can work quickly and confidently^{4,7,14}.

Fast, reliable seals with
< 1 mm thermal spread^{6,7,9}.

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.

Hundreds of children's hospitals worldwide use CoolSeal to help provide quality care for infants, children and adolescents.

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	—	—	—	—

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

References

- 1 Trinity pediatric indication includes the sub-groups infants, children and adolescents. Internal Report 17557_A
- 2 Internal Report 16503 Rev 1
- 3 Internal Memo to File - US Regulatory Clearance Search for Vessel Sealers
- 4 Internal Report NAR-VE-17353_2
- 5 Average seal time. Internal Report NAR-EN-17455_1
- 6 Average Thermal Spread. Internal Report NAR-VE-17357_2
- 7 A simplified, low power system for effective vessel sealing. Lyle A, Kennedy J, Schmaltz D, Kennedy A. The International Society for Optic and Photonics (SPIE) 2015.
- 8 Evaluation of Adjacent Tissue Thermal Damage When Using the JustRight Surgical Vessel Sealing System. Suzanne Yoder, MD; Jenifer Kennedy, PhD; Allison Lyle, MS; Allison Bendele, DVM, PhD. Society of Gastrointestinal and Endoscopic Surgeons (SAGES) 2015.
- 9 Average thermal spread shown in an animal model following a single activation. Internal Report 16375_2
- 10 Internal Report BOLD-2001. Critical structures tested include bowel and vasculature.
- 11 Internal Report BOLD-1901. Critical structures tested include bowel and vasculature.
- 12 Internal Report NAR-EN-17449_1
- 13 Internal Report 16457_1
- 14 Internal Report 16339_1

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