

CoolSeal™

MINI

Vessel sealing reinvented.

CoolSeal™ Mini 3 mm Vessel Sealer

CoolSeal Mini
3 mm Vessel Sealer



| | |
|------------------|----------------------------------------|
| up to 5mm | vessel sealing ² |
| 1.6 | second average seal times ² |
| <1mm | thermal spread ² |
| 40% | smaller incisions ³ |

Small. Cool. Versatile.

Precisely designed and FDA indicated for pediatric surgery, the CoolSeal Mini 3 mm Vessel Sealer is 40% smaller than other vessel sealers on the market.¹

CoolSeal Mini combines the finesse of a true surgical instrument with the gold-standard efficacy of CoolSeal's advanced bipolar RF vessel sealing. Produce safe, secure seals in just 1.6 seconds with less than 1 mm of thermal spread.²

True Maryland-style dual-action jaws enable precise dissection and seal vessels up to 5 mm with an average burst strength >3x systolic pressure.²

Specifically designed for pediatric procedures, CoolSeal Mini lets you work confidently in tight spaces while avoiding damage to adjacent critical structures.

- Pediatric Thoracic^{3,4}
- Pediatric Small Bowel³
- Pediatric Urology³
- Pediatric Abdominal³

Why take the risk with higher temperature devices?

Unlike monopolar energy devices, the CoolSeal™ Mini Vessel Sealer stays below temperatures that can cause irreversible tissue damage, even when activated while touching these structures.^{3,4}



**CoolSeal Mini
3 mm Vessel Sealer
& Generator**

The CoolSeal Mini 3 mm Vessel Sealer is a Multi-Functional Surgical Instrument

| Functions | Monopolar Hook | CoolSeal Mini |
|----------------------------|----------------|---------------|
| Dissection | ✓ | ✓ |
| Grasping | ✗ | ✓ |
| Safety of advanced bipolar | ✗ | ✓ |

References

1. Developing neonatal minimally invasive surgery: Innovation, techniques, and helping an industry to change. Rothenburg S. Journal of Pediatric Surgery 50 (2015) 232-235.
2. 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.
3. Early experience with a New 3mm Tissue and Vessel Sealing Device, Rothenberg S, Oh P. International Pediatric Surgery Group Annual Meeting, July 22, 2014.
4. Evaluation of Adjacent Tissue Thermal Damage When Using the Low Power JustRight Surgical Vessel Sealing System. Yoder S, Kennedy J, Lyle A, Bendele A. Society of American Gastrointestinal and Endoscopic Surgeons Annual Meeting, March 16, 2019.

Specifications

| | Catalogue No. | Shaft Length | Shaft Diameter | Jaw Length | Jaw Design |
|--------------------|---------------|--------------|----------------|------------|------------|
| CoolSeal Generator | CSL-200-50 | — | — | — | — |
| CoolSeal Mini | CSL-MN103-20 | 20 cm | 3 mm | 10 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 |

At Bolder Surgical, we strive to elevate expectations in surgery. Leveraging our expertise in microsurgical devices and energy delivery, we innovate to give surgeons options they've never had, making them more proficient while minimizing the surgical impact on every patient.

Elevate your expectations with the CoolSeal suite of products.

BOLDER[™]
SURGICAL

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