symmetry surgical®

OPTIMAL CONTROL
BETTER OUTCOMES

FROM Bovie® THE NAME YOU TRUST

NOW PART OF SYMMETRY SURGICAL'S ENERGY PORTFOLIO

OPTIMAL CONTROL - BETTER OUTCOMES

Bovie® Generators - *Same power at less Vpeak than any leading competitor*

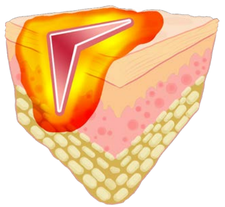
Patient related electrosurgical risks can cause poor outcomes and be a major cost to the healthcare system.[1,2]

Direct application or damage to adjacent tissue (Thermal Spread) occurs when thermal heat spreads beyond the tissue that the surgeon intends to dissect with the energy device.

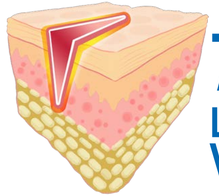
Thermal Spread depends on Voltage (Vpeak) [1,3]

Less Vpeak = Less Thermal Spread

Competitor



Bovie Up to

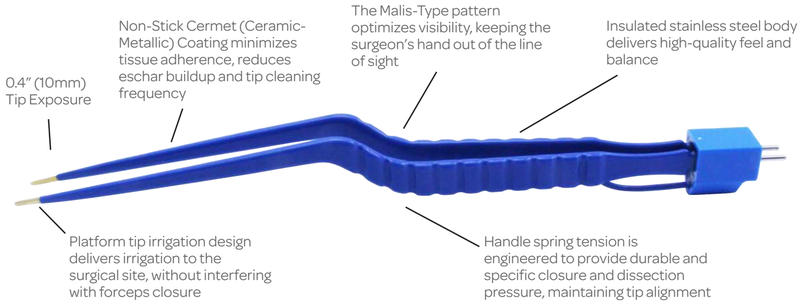


72% LESS Vpeak

OPTIMAL CONTROL - ENERGY DELIVERY

Olsen® Precision Non-Stick Bipolar Forceps - *Designed for Thermal Control*

The non-stick Cermet coating on the tips of Olsen® Precision bipolar forceps creates a highly conductive, smooth surface, enabling the use of lower power settings, which may reduce tissue damage caused by thermal spread, eschar buildup and the production of noxious smoke.



OPTIMAL CONTROL - SAFETY

Bovie® Tissue Sensing Technology

Bovie's tissue sensing technology measures tissue **500,000** times a second and adjusts to varying impedances.

Bovie DED™ (Digital Error Detection)

UNSURPASSED SAFETY for the Surgeon, OR staff and patient. At the sign of any problem, the unit instantly disables the output and displays the appropriate error code.

Bovie NEM™ (Return electrode sensing and contact quality monitoring)

The OR|PRO is designed with state-of-the art safety features including Bovie NEM™ pad-sensing technology that monitors the return electrode for optimum **PATIENT PROTECTION**

	MODE								
	CUT I (Pure Cut)	**CUT II (Laparoscopic)**	**Blend 1 (75% cut 25% coag)**	**Blend 2 (62.5% cut 37.5% coag)**	**Blend 3 (50% cut 50% coag)**	**Blend 4 (37.5% cut 62.5% coag)**	**Pinpoint Coag**	**Spray Coag**	**Gentle Coag (Endo)**
Vpeak Max (V)									
Bovie® OR | PRO vs. Valley Lab® Force FX	**1000** vs. 2300 **57%** Less Vpeak	**750** vs. 1350 **44%** Less Vpeak	**1320** vs. 3300 **60%** Less Vpeak	**1475** vs. N/A	**1650** vs. N/A	**1870** vs. N/A	**1800** vs. 3500 **49%** Less Vpeak	**4000** vs. 9000 **56%** Less Vpeak	**450** vs. N/A
Bovie® OR | PRO vs. Megadyne ACE	**1000** vs. 3000 **67%** Less Vpeak	**750** vs. 1500 **50%** Less Vpeak	**1320** vs. 4000 **67%** Less Vpeak	**1475** vs. N/A	**1650** vs. N/A	**1870** vs. N/A	**1800** vs. 5800 **69%** Less Vpeak	**4000** vs. 7200 **44%** Less Vpeak	**450** vs. N/A
Bovie® OR | PRO vs. Conmed System 5000™	**1000** vs. 820	**750** vs. 2700 **72%** Less Vpeak	**1320** vs. 930	**1475** vs. 1100	**1650** vs. 1480	**1870** vs. N/A	**1800** vs. 2120 **15%** Less Vpeak	**4000** vs. 6350 **37%** Less Vpeak	**450** vs. N/A

"Surgeons should start with the lowest power setting to perform the procedure in order to prevent collateral damage"[4]

*Testing Data on File

BROADEST PORTFOLIO SOLUTION

Powered by Bovie® and Olsen®

GENERATORS

SMOKE EVACUATION

ACCESSORIES

GROUNDING PADS

ELECTRODES

BIPOLARS

MONOPOLARS

MICRO NEEDLES

YOUR ENERGY PARTNER

We are not just an electrosurgery company.

We are innovators of tested, reliable energy-based technologies. We are your partners in healthcare to provide logical solutions by episode of care. We are dedicated to supplying you and your affiliates value and efficiency with precise products that support your day to day patient care.

William T. Bovie

BEST Electrosurgery Warranty on the Market
Incorporating latest in electrosurgical technology

Educational Resources
Educational CEs, Training and e-books available on request.

CALL YOUR SYMMETRY SURGICAL SALES REPRESENTATIVE TODAY.
LEARN MORE AT SYMMETRYSURGICAL.COM OR CALL 1-800-251-3000.

1) Jones DB, Brunt LM, Feldman LS, Mikami DJ, Robinson TN, Jones SB; .Curr Probl Surg. 2015 Nov;52(11):447-68. doi: 10.1067/j.cpsurg.2015.08.004. Epub 2015 Sep 8.

2) Huang, Yen, Wu, Complications of electrosurgery in laparoscopy GMIT 3 (2014) 39-42

3) Davison, J, Zamah, N, Electrosurgery: Principles, Biologic Effects and Results in Female Reproductive Surgery | Glob. libr. women's med.,(ISSN: 1756-2228) 2008; DOI 10.3843/GLOWM .1002

4) Hefermehl LJ, et al Lateral temperature spread of monopolar, bipolar and ultrasonic instruments for robot-assisted laparoscopic surgery. BJU Int. 2014 Aug;114(2):245-52. doi: 10.1111/bju.12498. Epub 2014 Jan 22.