Procedural, clinical and economic efficiencies with J-Plasma®

The unique features and benefits of J-Plasma®—including its low risk of tissue damage and its multiple-modality hand piece—can provide significant economic efficiencies.

- **Reduced costs per case**
- **Minimal capital investment**
- **Reduced technology maintenance**
- **Fewer staffing requirements**
- **Improved patient outcomes**
- **Reduced procedural time**
- **Reduced complications costs**
- **Streamlined inventory**

"J-Plasma® prevents the types of complications that increase a hospital's overall costs… injuries that require longer stays, CAT scans or returns back to the operating room."

— **Stephen M. Cohen, MD, MBA, FACS, FASCRS**
Colorectal Surgeon and Value Analysis Committee Chairman
Atlanta, GA

A promising future in a wide range of specialties

Experts see applicability of J-Plasma® in numerous clinical and surgical areas, including:

- **OB/GYN**
- **Plastic surgery/Dermatology**
- **Colorectal surgery**
- **Advanced laparoscopic surgery**
- **GI surgery**
- **Urology**
- **ENT surgery**

He Helium 2 re's technology that's transforming surgery

Introducing J-Plasma®
Helium-based gas plasma innovation from Bovie

Extremely low thermal spread[1,2]

- Minimal risk of collateral tissue damage
- High level of precision

Multiple functions in a single, versatile device

- Cut, coagulate, "paint," fulgurate and dissect
- Retractable blade for use with or without plasma stream

Exceptional surgical control

- Adjust J-Plasma® energy level and helium flow independently
- Multiple-modality hand piece for efficiency and speed

Clinical, procedural and economic efficiencies[1,3]

- Wide applicability across surgical specialties
- Reductions in costs per case
- Fewer complications; better patient outcomes
- Streamlined procedural time and inventory, with minimal capital investment

Imagine what you can do

J-PLASMA®
The Element of Precision

Call **914-468-4070** today
Visit **www.JPlasma.com**

References: 1. Pedroso J, Gutierrez M, Volker W. J-Plasma, monopolar pencil, argon beam and CO_2 laser electrosurgery: comparative evaluation of thermal spread in a porcine tissue model (white paper). Bovie Medical Corporation. June 2014. **2.** Pedroso J, Gutierrez M, Volker W. Thermal effect of J-Plasma energy in a porcine tissue model: implications for minimally invasive surgery (white paper). Bovie Medical Corporation. June 2014. **3.** Data on file. Bovie Medical Corporation; 2014.

Winner 2014 SLS Innovations of the Year

The Society of Laparoendoscopic Surgeons recognizes the most innovative products of the previous year that have a multidisciplinary application in minimally invasive surgery. SLS does not endorse or approve any products.

Bovie

Bovie Medical Corporation
5115 Ulmerton Road
Clearwater, FL 33760-4004 USA

Winner
2014 SLS
Innovations
of the Year
(See back cover)

He Helium 2 re's a game changer

When you are no longer limited by your tools, imagine what you can do

Introducing J-Plasma®
Transformational, helium-based gas plasma technology

- **Remarkably low thermal spread**
- **High level of precision**
- **Versatility across surgical specialties**

J-PLASMA®
The Element of Precision

Imagine what you can do

Minimal thermal spread—incredible surgical control[1,2]

Helium plasma
Cool, precise, tissue-sparing effects

- Extremely low risk of injury to surrounding tissue due to:
  - Minimized lateral and depth of thermal spread
  - Plasma stream length controllable and ***precise at the micron level***
- Less smoke, odor and eschar
- No conductive currents through patient
- Effective across many tissue types

" The existing technologies have considerable limitations. For me, J-Plasma® has already replaced a device that's been a gold standard for a long time."

— Joseph B. DeLozier III, MD, FACS
Plastic Surgeon
Nashville, TN

Of course it's from Bovie®

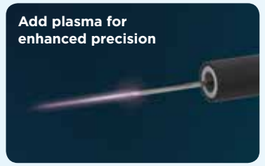
In 1926, Dr. William T. Bovie made medical history by using an electrosurgical generator in an operating room for the first time ever. Nearly a century later, the company named in his honor is a renowned industry leader offering the most complete line of USA-manufactured electrosurgical generator products and accessories.

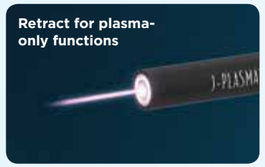
In surgeons' earliest medical training, "Bovie®" quickly becomes synonymous with "electrosurgery." And as they continue to use our products throughout their careers, the Bovie® name represents ongoing innovation and superior surgical performance.

So it's no surprise that helium-based J-Plasma®—another historical first destined to transform the way surgeries are performed—comes from the source surgeons around the globe have trusted for decades: Bovie®.

Many functions, one device

Multiple-modality hand piece for efficiency and speed





- Use in both laparoscopic and open procedures
- Use with blade extended or retracted
- Activate, pulse or stream plasma with single push button
- Easy to learn/easy to use
- Optional footswitch

Cut
Coagulate
"Paint"
Fulgurate
Dissect

Bovie Ultimate™ generator: 3-in-1 energy source offers monopolar, bipolar and helium plasma compatibility

- 300-watt electrosurgical generator ***plus*** J-Plasma® helium outlet in a single unit
  - Optimize O.R. space
  - Increase flexibility and convenience

- When using with J-Plasma®, adjust helium flow and energy level independently for greater cut, coagulation and ablation control

"I'm able to treat tissue near vital structures, and actually see it be excised cell layer by cell layer without any thermal spread."

— Craig E. McCoy, DO, FACOG
OB/GYN Surgeon
Columbia, MO

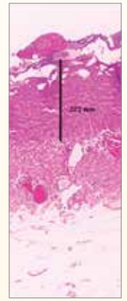
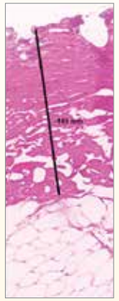
J-PLASMA®
The Element of Precision

See J-Plasma® in action!
Laparoscopic footage; expert interviews
www.JPlasma.com

With J-Plasma® energy stream, you can limit thermal penetration[3]

J-PLASMA®
The Element of Precision

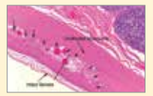
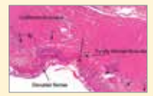
Peritoneum

J-Plasma® 20% | 4 L	CO_2 laser Superpulse 12 W	Argon plasma 70 W | 4 L	Electrosurgery 30 W
			
.147 mm	**.223 mm**	**.449 mm**	**.926 mm**

Urinary bladder

J-Plasma® 15% | 4 L	CO_2 laser Superpulse 12 W	Argon plasma 70 W | 4 L	Electrosurgery 30 W
			
.148 mm	**.277 mm**	**.804 mm**	**.951 mm**
Intact serosa	Damaged serosa	Disrupted serosa	Disrupted serosa
Healthy muscularis	Edema in muscularis	Necrotic muscularis	Disrupted muscularis

Small intestine

J-Plasma® 20% | 4 L	CO_2 laser Superpulse 12 W	Argon plasma 70 W | 4 L	Electrosurgery 30 W
			
.334 mm	**.283 mm**	**1.88 mm**	**.529 mm**
Intact serosa	Disrupted serosa	Disrupted serosa	Disrupted serosa
Healthy muscularis	Focally affected muscularis	Necrotic muscularis and lymphocyte injury	Damaged and necrotic muscularis