

# J-PLASMA<sup>®</sup>

The Element of Precision

**The Power of Three.  
The Simplicity of One.**



**Apyx<sup>™</sup>**  
MEDICAL

# J-PLASMA®

*Finally, an energy device that you don't have to set down.*

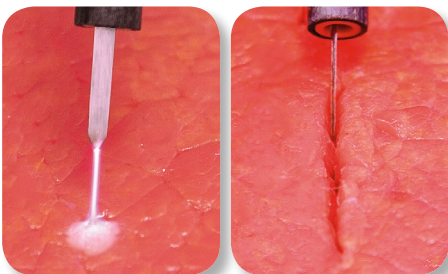
The new J-Plasma® handpieces with Cool-Coag® technology deliver the precision of helium plasma energy, the power of traditional monopolar coagulation and the efficiency of plasma beam coagulation. This enables thin-layer ablation, dissection and fast coagulation with a single instrument — minimizing instrument exchange and allowing maintained focus on your patient and your procedure.

## Introducing Cool-Coag Technology

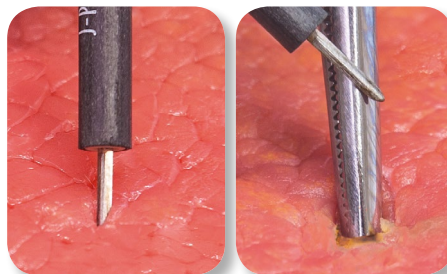
The patent-pending Cool-Coag technology is fundamentally different from the precision of the cold atmospheric plasma (CAP) on which the J-Plasma energy is based. Cool-Coag technology combines the power of a monopolar coagulation waveform with added versatility from the flow of helium gas. This allows for a single device to be used as a standard monopolar pencil for precise contact hemostasis and as a non-contact 'spray' called plasma beam coagulation that can be used for wider areas of coagulation/ablation.

With Cool-Coag technology, the new J-Plasma handpieces can deliver three distinctly different energy modalities – further increasing the utility and versatility of the J-Plasma system.

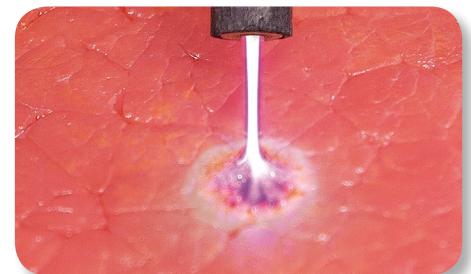
**Precise, Tissue-Sparing  
J-Plasma Energy**



**Monopolar  
Coagulation**



**Plasma Beam  
Coagulation**



**The Power of Three. The Simplicity of One.  
Only from Apyx™ Medical.**

## The J-Plasma handpieces and generator are configured for quick and easy use:

- Plug and play – setup in under 10 seconds
- Extendable/retractable blade for enhanced versatility
- Use of J-Plasma does not require any special certifications
- Includes 4-year warranty with no service contracts needed

Blade retracted for controlled ablation and coagulation.



Blade extended for enhanced precision and cutting.



## J-Plasma Handpieces and Generator

### J-Plasma Precise® Open

- J-Plasma energy
- Retractable and rotating blade enhances versatility



Available with 4.4cm and 15cm lengths

### J-Plasma Precise®

- J-Plasma energy
- Ergonomic pistol-grip design
- Retractable blade enhances versatility



Available in 15cm and 33cm lengths

### J-Plasma System Generator

- 3-in-1 energy source for plasma delivery and next-generation monopolar and bipolar
- Optimizes OR space
- Increases convenience and flexibility

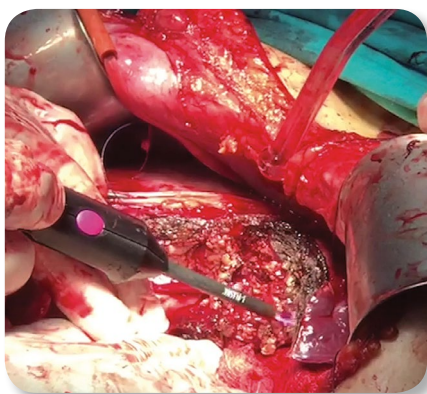


## A Matter of Energy

Cold atmospheric plasma (CAP) has been well-studied in the scientific community over the last few years for its unique ability to preferentially destroy different types of cancer and bacterial cells<sup>1-4</sup>. The CAP produced by J-Plasma results in charged particles, reactive species and high electric fields that can act individually and synergistically on biological cells.

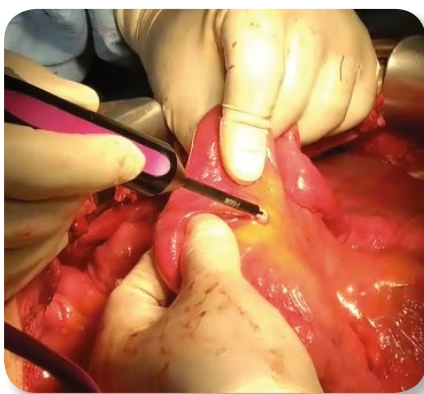
Research in this new area of science has shown the benefit of CAP for many therapeutic and cosmetic applications, and ongoing work continues to reveal new medical uses for cold plasma. J-Plasma is the only energy device incorporating the advanced benefits of CAP, and is configured for use in open, laparoscopic and robotic procedures.

## Wide Applicability Across Surgical Specialties\*



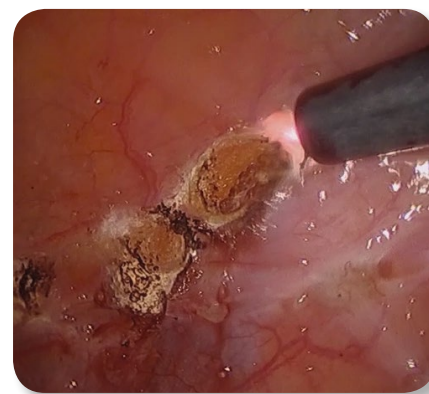
- **General Surgery**

- Solid organ resection
- Fulgeration of target tissue
- Tissue plane dissection



- **GYN/Surgical Oncology**

- Lymphadenectomy
- Tumor debulking
- Dysplasia



- **Gynecology**

- Endometriosis
- Adhesiolysis
- Condyloma
- Ovarian Cyst
- Colpotomy

- **Cardiac and Thoracic Surgery**

- **Urology**

- **Colorectal Surgery**

1. Gay-Mimbrera J, et al. Clinical and biological principles of cold atmospheric plasma application in skin cancer. *Adv Ther.* 2016;33:894-909.  
2. Barekzi N, et al. Effects of low temperature plasma on prostate cancer cell using the Bovie® Medical J-Plasma® device. *Plasma Process Polym.* 2016;13:1189-94.  
3. Fridman G, et al. Applied plasma medicine. *Plasma Process Polym.* 2008;5:503-3.  
4. Keidar M, et al. Cold plasma selectivity and the possibility of a paradigm shift in cancer therapy. *Br J Cancer* 2011;105:1295-1301.  
\*J-Plasma is cleared for the cutting, coagulation and ablation of soft tissue in open and laparoscopic cases.

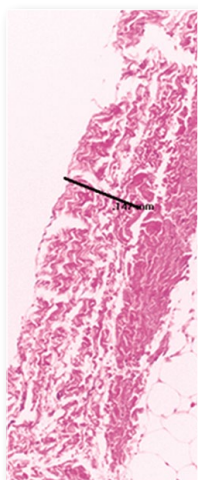


# J-PLASMA®

J-Plasma is an advanced energy modality which combines the unique properties of helium plasma with a proprietary RF waveform. Helium plasma focuses RF energy for greater control of tissue effect, enabling a high level of precision and virtually eliminating unintended tissue trauma. These properties may allow surgeons to use the energy on and around sensitive structures.

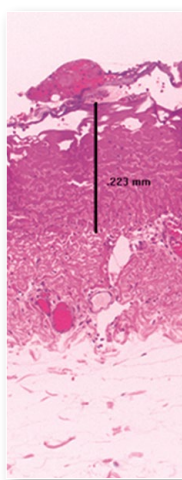
## Histology on Peritoneum

J-Plasma Cold Plasma Energy  
20% | 4 L



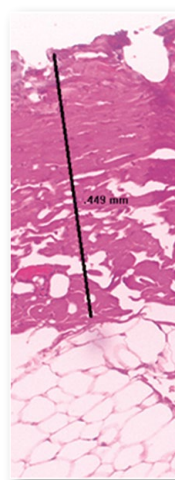
.147mm

CO<sub>2</sub> Laser  
Superpulse 12 W



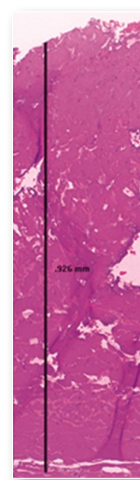
.223mm

ABC  
70 W | 4 L



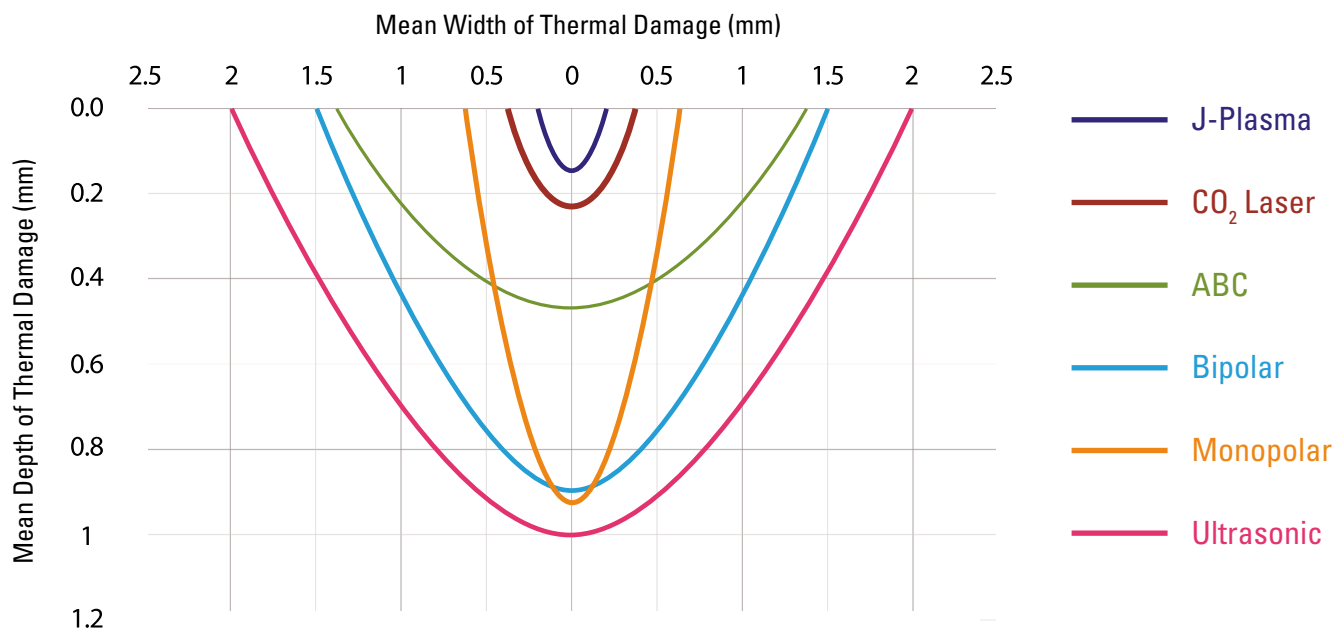
.449mm

Monopolar  
30 W



.926mm

## Thermal Effect Comparison<sup>5-7</sup>



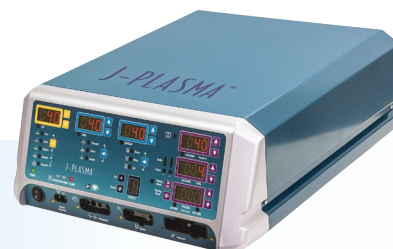
- Sibbons PD, Southgate A. Comparison of wound-healing and tissue effects using the Gyrus PlasmaKnife with monopolar, Coblation, and Harmonic Scalpel methodologies. *Comp Clin Pathol*. 2006;15:17-26.
- Burns, JA, et al. Thermal damage during thulium laser dissection of laryngeal soft tissue is reduced with air cooling: Ex vivo calf model study. *Ann Otol Rhinol Laryngol*. 2007;116(11):853-7.
- Ryan RW, et al. Application of a flexible CO<sub>2</sub> laser fiber for neurosurgery: laser-tissue interactions. *J Neurosurg*. 2009;112(2):434-43.

# J-PLASMA®

The Element of Precision

## J-PLASMA SYSTEM AND COMPONENTS

Item Description	Product Code	UOM
J-Plasma System Generator	BVX-200H	1 ea.
J-Plasma Precise® Open, 4.4cm	BVX-044-BPS	6 ea.
J-Plasma Precise Open, 15cm	BVX-150-BPS	6 ea.
J-Plasma Precise, 15cm	BVX-150B	6 ea.
J-Plasma Precise, 33cm	BVX-330B	6 ea.



***Discover what's possible with J-Plasma and Cool-Coag Technology***  
Contact your local J-Plasma representative or visit [JPlasma.com](http://JPlasma.com)



Apyx Medical  
Clearwater, FL USA  
+1 800 537 2790  
[Info@ApyxMedical.com](mailto:Info@ApyxMedical.com) • [JPlasma.com](http://JPlasma.com)

© Copyright 2019 Apyx Medical Corporation, all rights reserved.  
J-Plasma®, J-Plasma Precise® and Cool-Coag® are registered trademarks of Apyx Medical Corporation. Bovie® is a registered trademark of Symmetry Surgical. Apyx™ is a trademark of Apyx Medical Corporation.

MM0166.01 0319