PlasmaJet®

Respect for tissue.

Controlled depth of action with minimal thermal effect.

Take the bad.
Leave the good.

In surgery, the objective is straightforward, but effectively targeting tissue while minimizing impact to surrounding structures can be particularly challenging—especially when you're removing lesions.

PlasmaJet® surgery system is the only device that delivers a highly controlled effect on tissue in four distinct actions without the more negative effects caused by the use of electrosurgery devices. The system uses pure plasma energy to **cut**, **vaporize**, **coagulate** and **dissect** tissues with controlled depth of action and minimal thermal effect, allowing for careful application on sensitive structures (e.g. bowel, ovary, fallopian tubes).

Ideal for both **open** and **laparoscopic** surgeries, PlasmaJet is an advanced energy device that lets you quickly treat tissue without passing an electrical current through the patient. PlasmaJet will not arc to instruments or fluids in the area and will not cause muscle fibrillation or alternate burn sites.

CONTROLLED

Controlled depth of action. Extends surgical options and assists with more complete disease removal.

VERSATILE

Cut, vaporize, coagulate, dissect. Increase utility and save time with a multi-function surgical tool.

SAFE

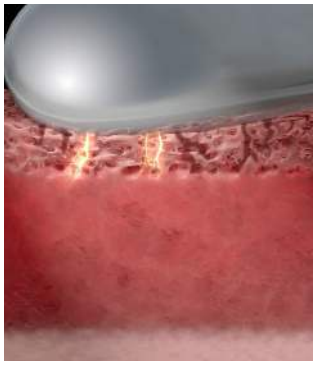
Minimal thermal effect. Provides for minimal impact to surrounding structures, respecting important tissue.

A matter of energy.

PlasmaJet generates minimal thermal effect to underlying tissue regardless of the length of application—unlike electrosurgical devices, which cause increasing damage over time.

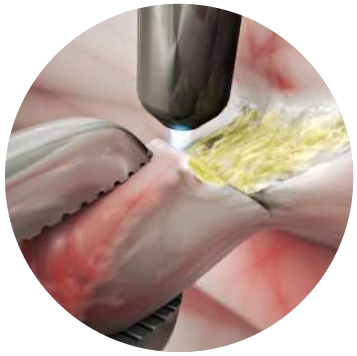
PLASMAJET

ELECTROSURGERY



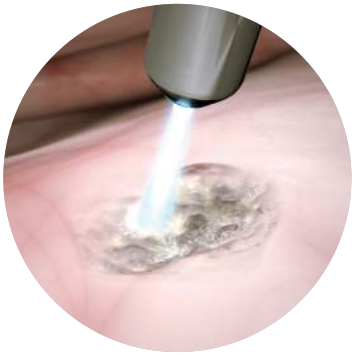
Distance makes all the difference.

The further the tip of the handpiece is from the tissue, the more dispersed the plasma energy becomes, enabling PlasmaJet's versatility for cutting, vaporizing, coagulation and dissection.



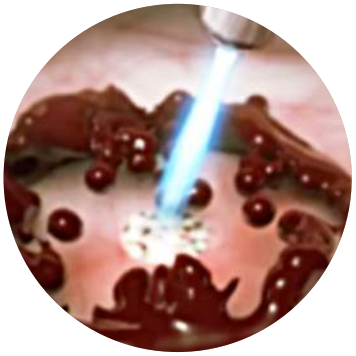
CUT (~0-3mm)

Highly focused energy from the handpiece's tip allows the device to have a defined cutting effect on the target tissue.



VAPORIZE (~3-5mm)

As the handpiece is pulled further away from the target tissue, energy is less concentrated and enables controlled vaporization of target lesions.



COAGULATE (~5-15mm)

Pulling the handpiece even further away disperses the energy even more, allowing for effective coagulation of a bleeding area.

Using the PlasmaJet's core cutting, vaporization and coagulation properties, the device is able to perform effective **DISSECTION** (i.e., the separation of tissue planes). This important tissue effect is enhanced by the inherent kinetic energy of the plasma which helps to expand potential spaces.

"For this innovative technology, the potential minimally invasive surgical applications with respect to treating diseases such as endometriosis and ovarian cancer are compelling."

— Douglas N. Brown, MD
Director, Center for Minimally Invasive Gynecologic Surgery
Massachusetts General Hospital

"The chief benefit of the PlasmaJet is the ability to quickly and easily separate tissue planes using the thermal and kinetic energy of the device."

— Mr. Simon Butler-Manuel
Consultant Gyn Oncologist
Royal Surrey County Hospital UK

"Having a surgical tool that can cut, vaporize or coagulate with one instrument by varying the distance of the tip from tissue is a big advance."

— Richard P. Marvel, M.D.
Director
Center for Pelvic Pain at Annapolis

The energy of plasma surgery.

Plasma surgery is an advanced technology that utilizes pure plasma energy, a highly energized form of gas, to release:

- **Light** to illuminate the surgical field for enhanced visibility
- **Kinetic** energy to dispense fluid from the surgical field, allowing direct action on the tissue
- **Thermal** energy to cut, vaporize and coagulate with minimal thermal effect

Discover what's possible with plasma surgery.

Contact your local sales representative or visit **PlasmaSurgical.com**

PLASMA SURGICAL
The energy to advance care

Plasma Surgical, Ltd.
127 Milton Park
Abingdon, Oxfordshire
OX14 4SA
UK

Plasma Surgical, Inc.
1125 Northmeadow Parkway
Suite 100
Roswell GA 30076
Tel: 678-578-4390
Toll free: 1-877-7PLASMA

ML0062-02 (09/2013)