

# PLASMA EDGE



TruBipolar™  
Plasma Resection In Saline



UROLOGY SOLUTIONS

Powered by



Since 1947



# MANUFACTURER, or not



## Premises

Office

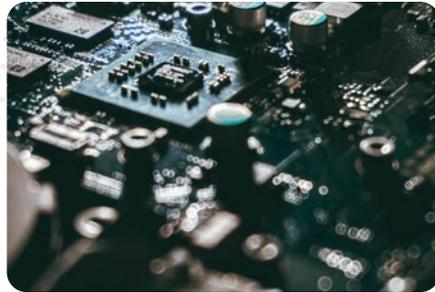


Factory



## Electronics

Welding



Assembling

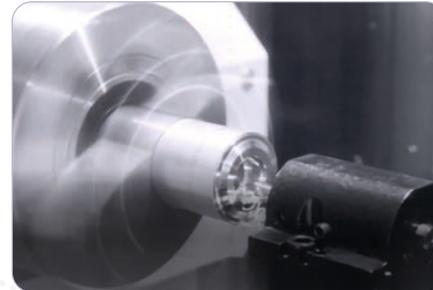


## Instruments

Plastic injection



Industrial machining



## Single use

Industrial process



Clean room



**PLASMA**  
EDGE

First digital screen unit in the world:  
OPTIMA

2004



Launch of the MCB III.  
Plasma EDGE  
is used in more than  
50 countries

2020



Launch of the  
new PlasmaLEP™  
enucleation electrode

2022



2014  
Launch of the  
Plasma EDGE system  
including the  
MCB unit and  
the first TruBipolar™  
electrodes



2021  
Creation of the universal  
electrode and working  
element range  
(easy to use and  
compatible with any  
resectoscope brand)



# You deserve **THE EDGE**

## BIPOLAR SALINE FRUSTRATIONS

Most of the current solutions are **hybrid bipolar with electricity conducted through the resectoscope** with the use of a standard electrode. This can potentially cause severe irreversible patient injury.

**No plasma activation** without high pressure on tissues which can cause bladder perforation and surgeon frustration on prostate resection.

**Poor coagulation** could slow down your procedure and potentially impose the switch to monopolar to stop a large bleed.

**Warm saline is required** for a decent plasma activation which can cause a risk of patient overheating. This is mainly due of the accumulation of warm saline and plasma activation without being able to control the final temperature in the patient body.

**High power is required** for ease of use which results in carbonized (instead of coagulated) tissues, a higher rate of nerve stimulation and bubble creation which affects visibility.

## PLASMA EDGE ANSWERS

### 1 – TruBipolar™ electrode

The electrode conducts all the power with a cable directly attached to it. Thanks to this solution we do not carry any electricity on the resectoscope sheaths and there is no connection on the working element. This reduces any risk of short circuit and urethra stenosis.

### 2 – Instant Power

The first system able to activate Plasma without contacting tissues in any conditions and everytime. This gives you the capability in bladder tumors to generate the plasma before the resection. During prostate resections you won't experience anymore power lagging when you reach the capsula, the power will deliver when you need it.

### 3 – Heavy dynamic coagulation

With coagulation energy concentrated where it's needed due to the TruBipolar™ technology, Plasma EDGE will coagulate faster and stop any large bleeding.

### 4 – Cold Fire Plasma

Plasma EDGE does not require warm saline to generate an instant plasma activation.

### 5 – Less power requirement

We simply use the lowest power for better efficiency. We succeed in this challenge because of our TruBipolar™ technology with a constant and short distance between the polarities. The result of this is less tissue carbonization (which aids in patient recovery) with better visibility, less nerve stimulation in bladder resections and less bubbles created.

Our electrosurgical expertise since 1947 **gave us the chance to develop this TruBipolar™ technology** delivered through our MCB plasma unit.

We believe that we created the **best TUR plasma unit in the world** but only you can judge and approve it.

Being the best is great but being **the best and the most accessible is even better.**

That is why we designed this machine with the aim to make this one available in any urology department **across the world.**

## MCB unit

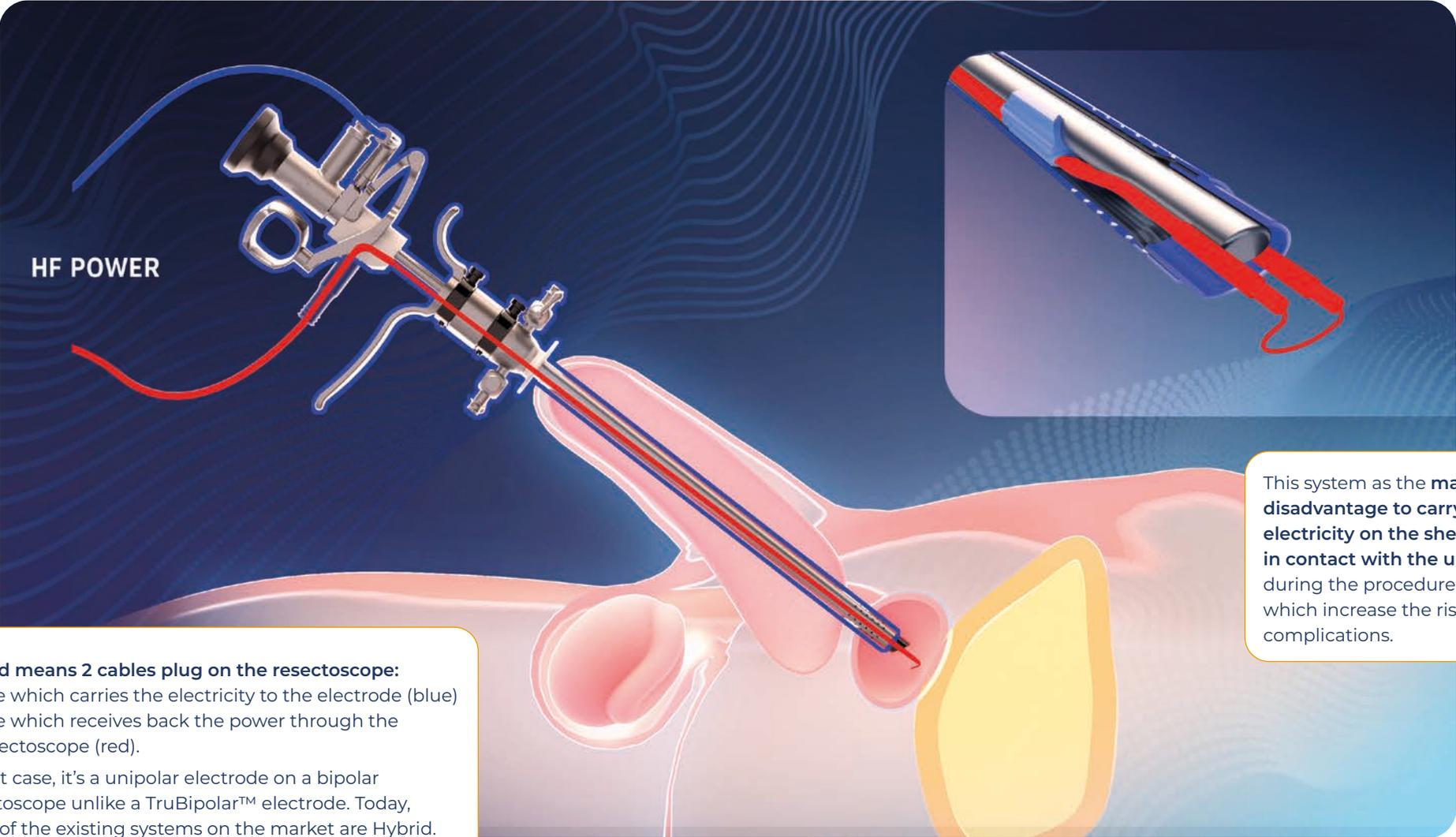


WE WILL ALWAYS FIND A SOLUTION TO BRING YOU ACCESS TO THE **EDGE** AND STAY AT YOUR ENTIRE DISPOSAL TO FIND ONE WITH YOU.

# Example of **HYBRID** power



Power conducted through the **resectoscope**



**Hybrid means 2 cables plug on the resectoscope:**

- one which carries the electricity to the electrode (blue)
- one which receives back the power through the resectoscope (red).

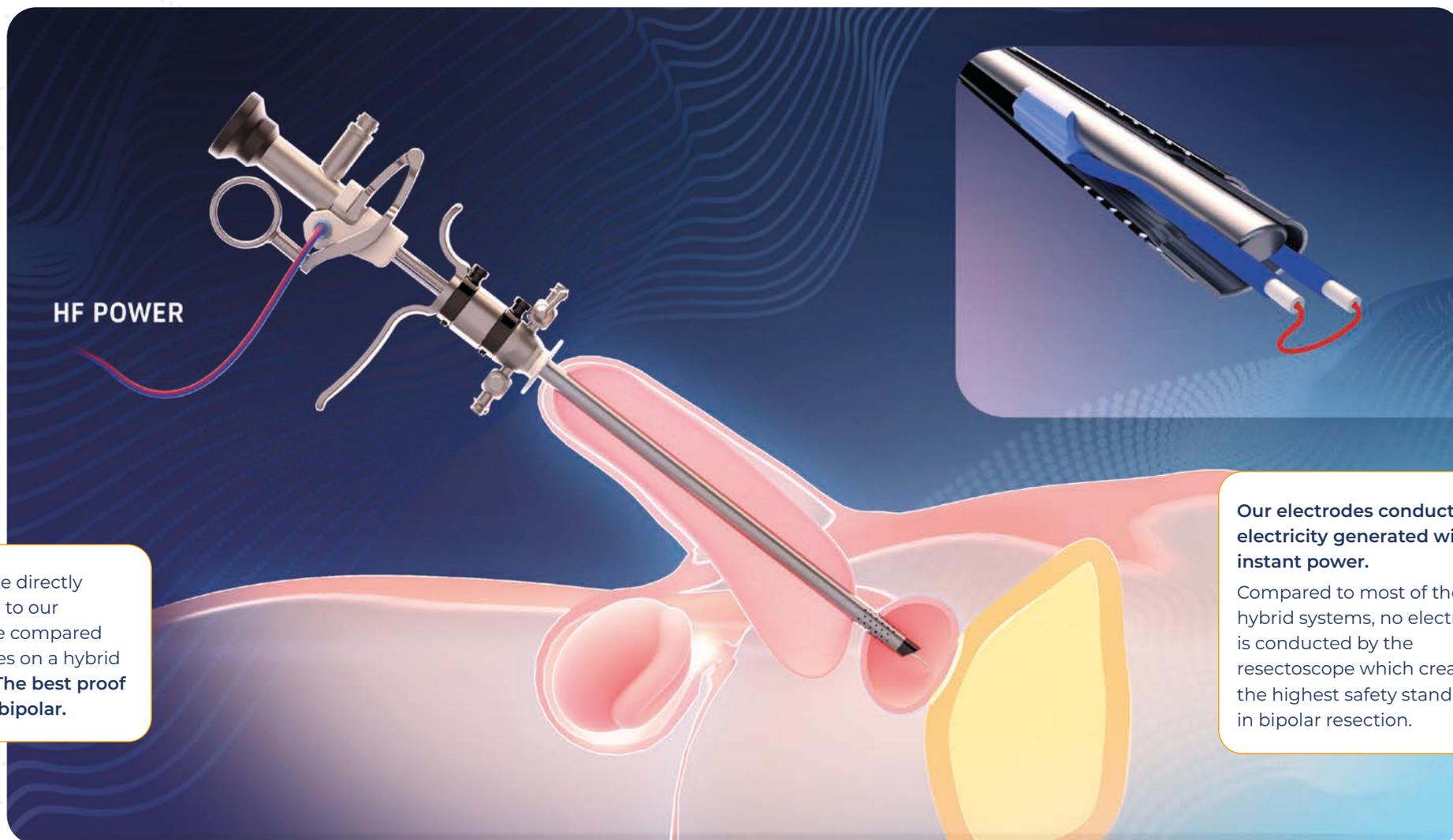
In that case, it's a unipolar electrode on a bipolar resectoscope unlike a TruBipolar™ electrode. Today, most of the existing systems on the market are Hybrid.

This system as the **major disadvantage to carry the electricity on the sheaths in contact with the urethra** during the procedure which increase the risk of complications.



## Our TruBipolar™ technology

Power conducted through the **electrode**



One cable directly attached to our electrode compared to 2 cables on a hybrid system. **The best proof of REAL bipolar.**

**Our electrodes conduct all electricity generated with instant power.**

Compared to most of the hybrid systems, no electricity is conducted by the resectoscope which creates the highest safety standards in bipolar resection.

We adapt to you,  
**NOT THE OTHER WAY AROUND**



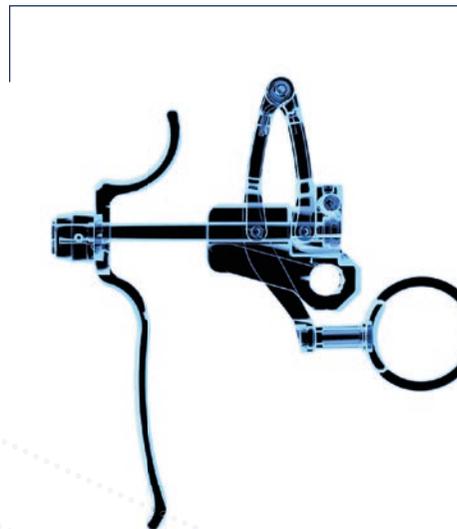
## WORKING ELEMENT SOLUTION

- Get access to our Plasma EDGE technology by only switching to a new working element and not changing the whole resectoscope. We are compatible with any optic and sheaths manufacturer which allow you to keep most of your existing instruments and considerably reduce the investment in comparison to any other bipolar solutions.
- Convert your existing monopolar or bipolar resectoscope to a Plasma Edge one by only changing to a Plasma EDGE working element.

Keep existing sheath  
Any brand



Plasma EDGE compatible  
working element



Keep existing optic  
Any brand



Feel free to choose,  
**BUT THE SAFEST**



> Thin loop



> Thick loop



> Vaporization



> Enucleation



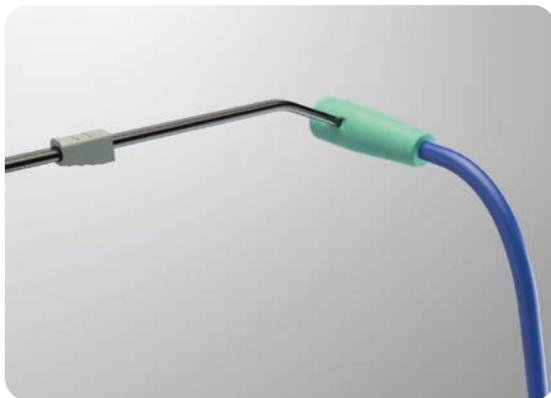
> Needle



> Ball



> Straight bladder loop



## TruBipolar™ ELECTRODE

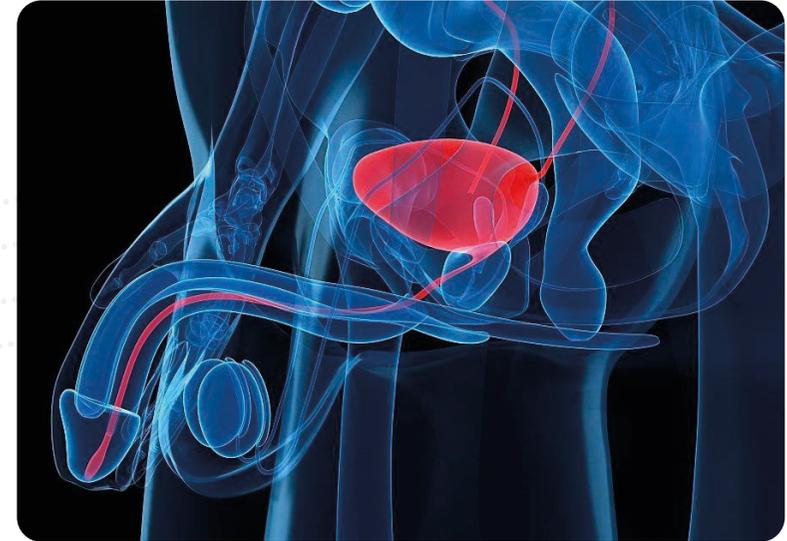
- > The TruBipolar™ electrode is the result of 5 years of R&D to reach the highest insulation between the polarities.
- > Each electrode is 100% manufactured in our french factories and controled with 4000 Volts.
- > This will ensure a long wire life even in case of a large prostate resection.
- > The bipolar cable is directly delivered and attached to the electrode, that avoids any potential short-circuit and saves buying an extra cable.





## PROSTATE BPH

- Deep hemostatic effect with result in clean white tissues coagulation without carbonization for a fast patient recovery.
- Procedure with clear fluids without post operative bleeding.
- Heavy spreading coagulation capabilities to stop bleeding in any case.
- Shorter hospitalization stay.



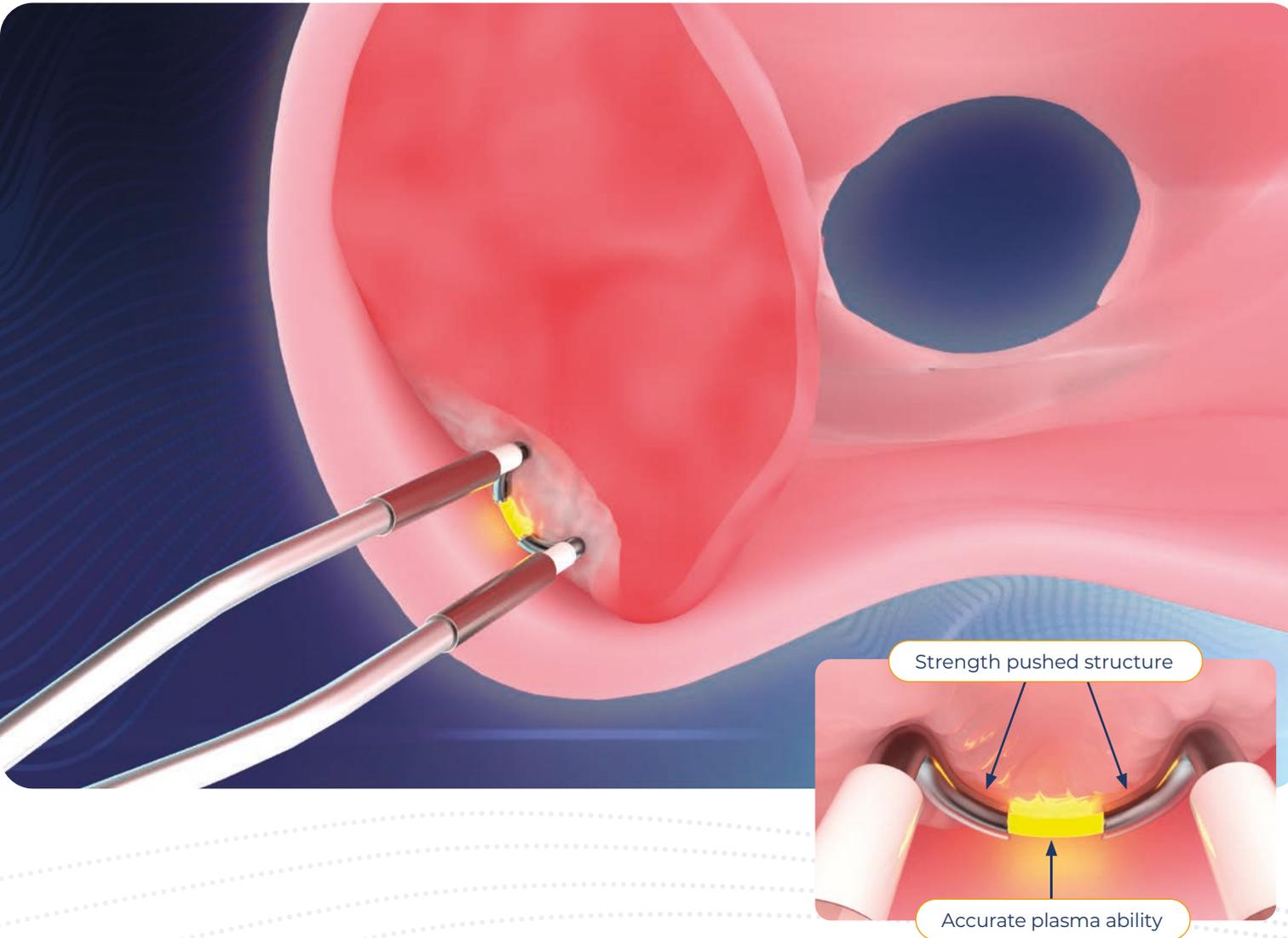
## BLADDER TUMOR

- Instant activation without pressure on the tissue for a better control of the cutting depth and to avoid any perforation.
- Low plasma corona which allows perfect biopsy samples without compromised specimen.
- Low power required for maximum efficiency which reduces obturator nerve stimulation.



## PlasmaLEP™ ENUCLEATION SOLUTION

- Unique design which combines strong mechanical pushed structure wire and energy where it's required.
- The pushed structure wire can separate the adenoma mechanically and the energetical help to coagulate and cut precisely during the separation.
- Since both sides of the wire are insulated, the energy is precisely given exactly where it's needed without the risk of a global perforation.
- The capability to perfectly coagulate during and after adenoma removal gives an all in one solution compare to a laser option where post bipolar coagulation can be required.
- Compare to a costly laser set up, our bipolar enucleation is just an extra reference to get.



French designer and manufacturer of  
electrosurgical solutions since 1947



As medical knowledge is constantly growing, technical modifications or changes of the product design, product specifications, accessories and service offerings may be required.

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