

A new standard
in efficiency.



 **Piranha**

Laser Enucleation System



Laser Enucleation System

Over the last decade, laser enucleation has become an increasingly common treatment for benign prostatic hyperplasia (BPH). Richard Wolf is proud to offer a complete system for laser enucleation of the prostate – the only integrated system of its kind for sale in the US. Featuring a laser resectoscope, an offset morce scope, and a tissue morcellator, the Piranha Laser Enucleation System gives urologists the cutting edge, versatile solution they need to carry out successful interventions.



A Powerful Solution in BPH Therapy

Innovative design

- Modular system is compatible with existing Richard Wolf equipment
- Powerful turbine suction rapidly draws in tissue for morcellation
- Dynamic suction provides a clear field of view, enabling surgeons to maintain orientation throughout the case
- Atraumatic distal morcellator tip designed for patient safety

Versatility

- Equipment works with any brand of laser
- Accommodates laser fibers up to 1000 μm
- Inner sheath allows surgeons to change instruments without removing the outer sheath during a case
- Morcellation and suction functions are conveniently located on one pedal
- Safe, fast, and effective for treatment of any size prostate



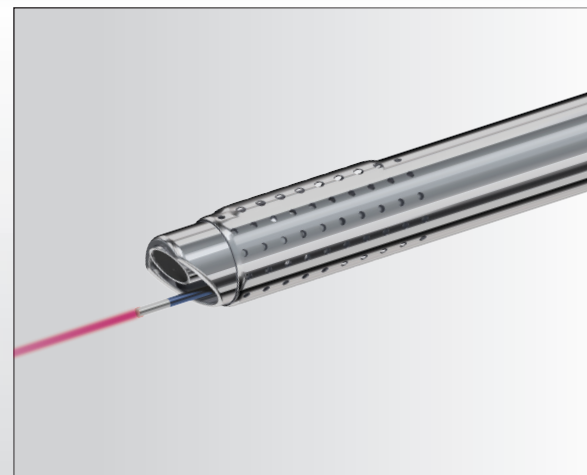
Efficiency

- Oscillating blade facilitates complete morcellation that does not leave chips behind
- Ideal for large prostates with dense, fibrous tissue
- No loss of suction during morcellation
- Collects large tissue samples that are suitable for pathology

Special laser resectoscope sheath

for blunt enucleation of the prostate

- Optional special sheath for laser TUR-P
- Inner sheath with thickened stainless steel tip: Particularly resistant and robust, even if the laser is inadvertently triggered



Laser Resectoscope and PIRANHA Scope

Laser enucleation and morcellation without changing sheath



Laser resectoscope

- A working element for all laser fibers
- Laser-fiber guide tube easily exchangeable
- Biggest selection of guide tubes
- Working element can be used with the same sheath as the PIRANHA scope. This eliminates the need to change sheath
- Works with rotatable 24.5 Fr. continuous irrigation sheath
- If necessary, the laser working element can be exchanged for a resectoscope working element (monopolar or bipolar) in order to carry out subsequent resection or coagulation

Laser-fiber guide tube

Only one working element is required, independent of the fiber diameter. And laser manufacturer, and five different laser-fiber guide tubes are available for use.

- With distally oblique beveled tip for better visualization of the fiber tip
- With loop for “keeping the tissue out of the way” of the enucleated chips
- Curved for Vapo Resection
- With straight distal end
- For fibers up to 1000 μm

PIRANHA Scope

- Outstanding visualization conditions by means of integrated irrigation channels
- Can be used without changing sheath –“Enucleation and Morcellation with one sheath”
- Rotatable adapter allows it to fit in the outer sheath of a continuous irrigation sheath
- Large working channel of 5 mm also accommodates a morcellator along with high irrigation performance
- Telescope can be used with rotatable continuous irrigation sheaths of 24.5 Fr. or 26 Fr.
- Large automatic valve prevents water leakage from the working channel

A new experience in speed

- High speed ensures maximum cutting force
- A single suction opening avoids the inadvertent intake of the bladder mucosal membrane
- Tissue is cut and not chopped
- Morcellated tissue is big enough for histology
- Particularly powerful, lightweight and quiet axial handle
- Handle and cable are fully autoclavable



More comfort

- Suction and morcellation is centrally managed
- Easy to toggle between the different operating modes with the foot switch
- "PIRANHA mode" for suctioning and morcellation
- "Suction mode" for suctioning coagulated blood or very small tissue chips
- Disposable tube sets make work efficient
- Special collector tank collects the tissue chips efficiently. The closed collector can then be weighed and shipped for histology
- Simple and easy setup
- Extremely low noise output

More safety

- Extremely atraumatic, distal morcellator tip
- The bladder mucus membrane cannot be suctioned inadvertently
- Optimum visualization at the cutting window
- No irritating "ping-pong-effect"
- Oscillating cutting movement



Piranha Blade Vmax

High speed for the PIRANHA system

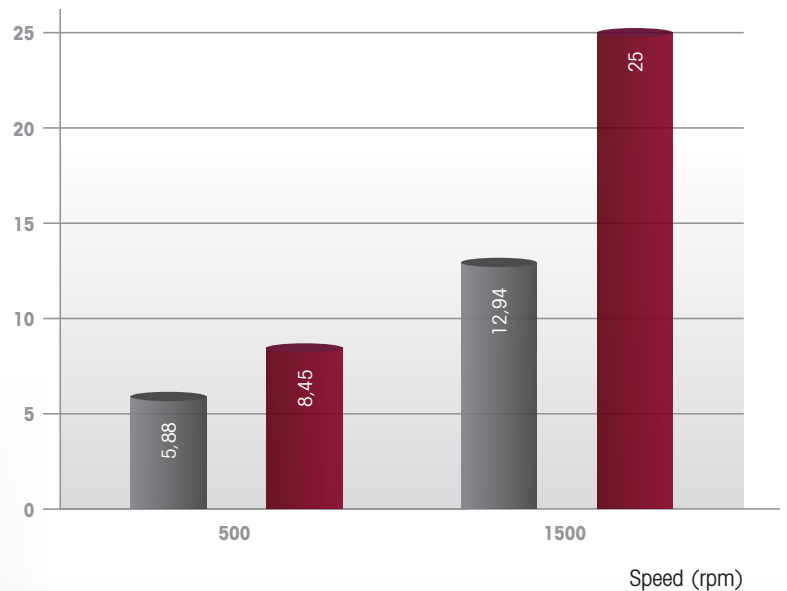
Proven enhancement of effectiveness

"High speed" is the route to shorter operating times: An independent, experimental ex vivo investigation shows that the **PIRANHA Blade Vmax** achieves an 82% higher ablation rate on average.*

- Standard Reusable Blade
- New PIRANHA Blade Vmax

* Independent investigation by the Hospital for Urology, University Medical School Mannheim on the subject of "Ex-vivo – Vergleich von zwei elektronischen Prostata Morcellatoren", 2012 (Ex-vivo – Comparison of two electronic prostate morcellators).

Cutting performance (g/min)



PIRANHA Blade Vmax

- Unique combination of efficiency and control
- High-speed morcellation with aggressive cutting teeth
- Maximum safety and control

Uncompromising sharpness

- Guaranteed sharp because it is a single use product
- Easy handling, can be used anywhere

More aggressive cutting geometry

- Number and configuration of cutting teeth optimized

Improved suction power

- Bigger suction and cutting window for faster morcellation

High cutting power

- As a result of modified cutting geometry;
- Yields bigger tissue chips to facilitate investigation of pathology



Ordering data

System components

Morcellator System	
Piranha Pump Kit, Suction pump, power cord, foot pedal, filter, vacuum tube, bottle Bracket, filter and connecting cable	22080110
Morcellator handpiece.....	8564121
Power control unit	23030111
Laser Enucleation Components	
PIRANHA Scope	
Direction of view 12°, with parallel visualization, inside diameter 5 mm for auxiliary instruments up to 4.8 mm diameter, PANOVIEW rod lens systems, automatic valve at the working channel, continuous irrigation option via the continuous irrigation outer sheaths 26 Fr. (8655.374) and 24.5 Fr. (8655.334), in conjunction with the rotation morcellator (8970.011)	89704021
30°, 4 mm Endoscope.....	8654422
12°, 4 mm Endoscope.....	8654431
26 Fr. Outer sheath.....	8655374
24 Fr. Inner sheath.....	8655384
24 Fr. Visual obturator	841512
24 Fr. Timberlake obturator.....	865467
Laser Bridge.....	8654911
Laser working element.....	8654282
1000 µm guide tube.....	8654981
600 µm guide tube.....	8654982
Beveled tip guide tube	8654985
Distal loop guide tube.....	8654986
Disposables	
Rotation morcellator, WL 335 mm, disposable Ø 4.75 mm, (pack of 3)	49700113
Rotation morcellator, WL 385 mm (for Storz telescope), disposable Ø 4.75 mm, (pack of 3)	49700103
Overflow protection/bacteria filter.....	2228901
Disposable tissue container.....	2208120
Disposable pump tubing	41702208
Blue o-rings	153643688
Yellow o-rings	9500118
Sound absorber	35100115
Accessories	
3000 mL Collection container	8170981
2.5 mm Light cable	8061256
Universal sterilization tray	8585071
Handpiece and cord tray	8585101

