The Speed of Light Just Got Faster.
Building on the excellent tradition of the PV and HPS Systems

Safety
GreenLight XPS™ offers the same safety profile as current GreenLight HPS™ technology.

Speed and Efficiency
XPS with the MoXy™ Liquid Cooled Fiber offers 2X speed of HPS.

Fiber Longevity
FiberLife™ ensures improved fiber reliability.

Improved Coagulation
TruCoag™ offers better control of bleeders than any previous GreenLight™ console.
Safety

GreenLight XPS with the MoXy liquid cooled fiber provides fast and efficient vaporization with the same safety profile as current GreenLight HPS technology.

To achieve the proven safety profile of the GreenLight HPS system and improve the rate of vaporization, the power of the XPS/MoXy system was increased by 50% while simultaneously increasing the area of the laser beam by 50% percent. The benefit of XPS/MoXy is that it provides a wider tissue vaporization effect without sacrificing the depth of vaporization and coagulation of our clinically proven HPS and PV systems.

Wider Vaporization
Comparable Depth to HPS

Power Density = \frac{\text{Power}}{\text{Beam Area}}

While the vaporization depth of the XPS with the MoXy Fiber and HPS with the 10-2090 Fiber are similar when used under similar conditions, the actual depth of tissue removal will vary with sweep rate, power and tissue condition.
Vaporization efficiency is significantly enhanced throughout the procedure with the MoXy liquid cooled fiber resulting in the removal of 2x more tissue over the same lasing time.¹

XPS with MoXy allows for the removal of a wider section of tissue without increasing the depth of tissue removal. Coagulation depth also remains the same.

MoXy’s Active Cooling Cap ²

Active Cooling Cap technology utilizes saline flow to minimize fiber tip devitrification which significantly reduces power degradation throughout the duration of the procedure.¹

Active Cooling Cap

* Based on American Medical Systems® (AMS), internal testing using standard PVP technique to remove tissue from the bovine lower urinary tract. Periodically through the procedure tissue removal rate was measured by scanning the beam across bovine prostatic tissue at a speed 4 mm/sec and at a fiber to tissue spacing of 2 mm. Tissue was cross sectioned and the ablated volume measured.
FiberLife is an automatic safety system that detects conditions when the fiber cap may overheat and briefly interrupts the laser beam. This keeps the cap temperature within the safe zone.

Fiber Longevity

Revolutionary proprietary technology increases fiber longevity while decreasing cap-related failures by 90% as compared to the HPS fiber.

Treat glands >100 gm with only one fiber.

Active Cooling Cap Technology

Active Cooling Cap technology utilizes saline flow to keep the fiber tip cooled reducing fiber cap related failures while minimizing beam divitification or power degradation increasing the life of the fiber.
Improved Coagulation

TruCoag uses pulsating light to cauterize ruptured vessels and reduce bleeding faster and in more situations.

Better Control of Bleeders

TruCoag offers better control of aberrant bleeders compared to the GreenLight HPS and PV laser consoles.\(^2\)

Provides rapid\(^3\) suppression of bleeding.

Depth of Coagulation

Deeper coagulation may be a key factor influencing increased dysuria rates and other post-procedural complications.

Tissue vaporized at 180 watts showing 1-2 mm zone of coagulation utilizing GreenLight XPS.
A world without TURP is our vision

Our objective is simple – provide TURP users with the most compelling reasons to convert to GreenLight.

PROVEN EQUIVALENT TO TURP WITH

LOWER MORBIDITY  FEWER COMPLICATIONS  LOWER OVERALL COST  SHORTER HOSPITAL STAYS

TURP-like results with fewer complications and less morbidity than TURP

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The GreenLight XPS Laser System Specifications

### XPS Laser

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Type</td>
<td>Solid State, Frequency Doubled</td>
</tr>
<tr>
<td>Wave Length</td>
<td>532 nm</td>
</tr>
<tr>
<td>Max Power output @ 532 nm</td>
<td>Limited by fiber delivery device, max. 180W</td>
</tr>
<tr>
<td>Nominal Optical Hazard Distance (NOHD)</td>
<td>33.9 meters (MPE = 1x10^-1 W/cm²)</td>
</tr>
<tr>
<td>Repetition Rate</td>
<td>Vaporization: Quasi-CW (15 kHz - 22 kHz) Coagulation: Modulated at 12 Hz, 25% duty cycle</td>
</tr>
<tr>
<td>Max Aiming Beam Power</td>
<td>5 mW</td>
</tr>
<tr>
<td>Output Beam Divergence</td>
<td>Perpendicular to fiber: 0.5 ± 0.1, Parallel to fiber: 0.25 ± 0.1 radians full angle at half maximum with the 10-2090 fiber in air</td>
</tr>
<tr>
<td>Electrical Requirements</td>
<td>200 - 240 VAC, @ 60 Hz or 50 Hz, 20 A, Single phase</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>50° F (10° C) - 85° F (30° C)</td>
</tr>
<tr>
<td>Storage Transport Temperature</td>
<td>50° F (10° C) - 104° F (40° C)</td>
</tr>
<tr>
<td>Humidity</td>
<td>10% - 90%, non-condensing</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W: less than 22”, D: less than 36”, H: less than 58”</td>
</tr>
<tr>
<td>Weight</td>
<td>Less than 475 pounds</td>
</tr>
</tbody>
</table>

### MoXy Fiber

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Compatibility</td>
<td>XPS System</td>
</tr>
<tr>
<td>Sterility</td>
<td>Provided sterile for one-time use</td>
</tr>
<tr>
<td>Saline Inlet Connection</td>
<td>Female Luer Lock</td>
</tr>
<tr>
<td>Shipping and Storage</td>
<td>4 – 40°C</td>
</tr>
<tr>
<td>Core Diameter</td>
<td>750 µm</td>
</tr>
<tr>
<td>Beam Emission Direction</td>
<td>Side firing</td>
</tr>
<tr>
<td>Maximum Power</td>
<td>180W in saline for 532 nm wavelength light</td>
</tr>
<tr>
<td>Overall Length</td>
<td>120 ± 6 inches (3060 ± 153 mm)</td>
</tr>
<tr>
<td>Min Saline Flow Rate</td>
<td>0.3mL/s</td>
</tr>
</tbody>
</table>

### XPS Laser Order Number: 10-0210

### MoXy Fiber Order Number: 10-2400

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SOLUTIONS FOR LIFE® For more than 35 years, American Medical Systems has provided world-class medical devices used for treating pelvic health issues. Over the past decade, our reputation for quality and medical efficacy has broadened to encompass both devices and therapies that restore pelvic health for men and women. The medical conditions our solutions address include male and female urinary incontinence, erectile dysfunction, prostate disorders (including BPH), urethral strictures, pelvic organ prolapse and fecal incontinence.

All surgical treatments have inherent and associated risks. The most common risks associated with Photoselective Vaporization of the Prostate (PVP) are hematuria, short term dysuria and UTI. See the GreenLight Operator’s Manual or Surgical Guide CD for a complete list of possible risks and complications.

1. AMS internal in vitro testing on bovine prostatic tissue.
2. AMS internal ex-vivo testing using a porcine perfused kidney model.
3. Data from unpublished AMS post-market evaluation.
4. AMS internal in vitro testing on bovine prostatic tissue showing similar depth of tissue removal and thickness of residual coagulated tissue.
9. Lumenis Corporate Website: http://www.surgical.lumenis.com/wt/content/bph, downloaded 12/12/08.