Laser-assisted Pulmonary and Thoracic Applications

VersaPulse® PowerSuite™
Dual Wavelength 80/100W
The Lumenis VersaPulse PowerSuite 80/100 Watt system is dual laser sources in one system providing unique pulmonary and thoracic surgical solutions and offering therapeutic and palliative treatment of benign and malignant lesions and obstructions in the airways.

**Laser-assisted Pulmonary and Thoracic Applications**

Bronchoscopic laser therapy is an immediate-acting therapy used to relieve various malignant and benign pathologies of the tracheobronchial tree, such as central airway obstruction, stenosis, trachea-bronchomalacia, esophageal carcinoma, granuloma, and more. Using two distinctive laser wavelengths optimizes energy delivery, and can maximize the efficiency and safety of the procedure.

**Dual combination providing unique therapy**

A powerful combination of two laser sources: Neodymium yttrium-aluminium-garnet (Nd:YAG) and Holmium (Ho:YAG) enables the physician to utilize the advantages of each laser during the procedure. Based on the desired tissue effect and anatomical location, physicians can choose between deep tissue penetration, delicate and shallow ablation and manipulate through challenging anatomical locations.

**Nd:YAG**

Commonly used laser for interventional Bronchoscopy techniques due to a number of advantages:  
- Excellent hemostasis  
- Minimal complication rate  
- Balances between the ability to photocoagulate or vaporize tumors and cut stenotic lesions

**Ho:YAG**

- Shallow depth of penetration (approximately 0.4 mm) minimizes collateral damage to the surrounding tissues  
- Highly absorbed by water, thus producing good hemostasis and bleeding control
Dual-pedal footswitch operation
Switching between the wavelengths is as easy as moving your foot on the foot pedal using the same delivery system, producing powerful ablation and delicate precision.

Lumenis Fibers
• Slimline™ family of single-use and reusable fiber range of 200, 365, 550 and 1,000µm are designed for durability and flexibility.
• Slimline™ 200 D/F/L ultra-flexible fiber provides greater convenience and designed to minimize scope deflection loss, allowing to reach difficult-to-access locations.

In addition, the SlimLine SIS Endo fiber and the Xpeeda D/S/L side-firing fiber will assist in delivering the desired energy and provide extreme cutting precision, fast tissue ablation, and great coagulation and hemostasis.
**VersaPulse® PowerSuite™ Dual Wavelength 80/100W**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td><strong>Mode</strong></td>
<td>Dual Wavelength Holmium &amp; Nd:Yag</td>
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<tr>
<td><strong>Average Power</strong></td>
<td>Up to 80W Holmium and 100W Nd:YAG*</td>
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<td><strong>Wavelengths</strong></td>
<td>2.1/1.06 microns</td>
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<tr>
<td><strong>Energy per Pulse</strong></td>
<td>0.2-3.5 J Holmium and 0.08-1.67 J Nd:YAG*</td>
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<td><strong>Repetition Rate</strong></td>
<td>5-40 Hz Holmium and 60 Hz Nd:YAG</td>
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<tr>
<td><strong>Electrical</strong></td>
<td>230 V, 50/60 Hz, 30 Amp Single phase</td>
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<tr>
<td><strong>Dimensions</strong></td>
<td>18”X36”X39”; (46 cm X 91 cm X 99 cm)</td>
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<tr>
<td><strong>Weight</strong></td>
<td>340 lbs / 155 kg</td>
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<tr>
<td><strong>Cooling</strong></td>
<td>Self-contained water-to-air exchanger</td>
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<td><strong>Display</strong></td>
<td>Touch screen color display swivels 360 degrees</td>
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<td><strong>Delivery Systems</strong></td>
<td>More than 20 reusable &amp; single use devices compatible with flexible, semi-rigid &amp; rigid broncoscopes</td>
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<td><strong>Warranty</strong></td>
<td>One year parts and labor</td>
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*Adjustable in various increments

**Risk Information**

The use of the Lumenis VersaPulse PowerSuite is contraindicated for patients who are unable to receive endoscopic treatments or are intolerant to prolonged anesthesia, as well as for resection or excision of large vascularized organs. Holmium lasers and Nd:YAG lasers are intended solely for use by physicians trained in the use of the Ho:YAG (2.1 μm) and Nd:Yag(1.06 μm) wavelengths. Incorrect treatment settings can cause serious tissue damage. The laser should be used only on tissues that are fully observable. See the system user manual for a complete list of contraindications and risks.

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8. Bench test results may not necessarily be indicative of clinical performance.