Extending Your Capabilities in Robotic Surgery

FiberLase™ Robotic Drop-In Guide
For Use With the AcuPulse™ 40WG CO₂ Laser and FiberLase Family of CO₂ Fibers
Lower patient morbidity\textsuperscript{(1,2)} with minimal blood loss, less post-operative pain, and faster recovery
Red aiming beam helps target and treat the diseased tissue
Excellent energy transmittance for more control and faster treatment speed

Guiding the FiberLase flexible CO\(_2\) laser fiber for robotically assisted surgery

THE FIBERLASE CO\(_2\) FIBER ALSO OFFERS:
- Dependable performance over long lasing times
- Renewable tip for optimal performance throughout the procedure
- Non-contact dissection and ablation for minimal tissue disturbance
- High Power delivery for faster treatment
- Convenient 2 meter fiber length

* Robotic statements have not been evaluated by Intuitive Surgical
The AcuPulse 40WG CO₂ laser assures highest control of beam delivery for smart tissue management. Three unique laser operation modes, SuperPulse, Pulser and Continuous Wave (CW) offer minimal, moderate and high thermal effect choices. This balances precision and hemostasis for optimal patient results.

**CO₂ LASER THERMAL CONTROL WITH:**
- Minimal effect on adjacent delicate tissue
- Lower zone of thermal injury as compared to a 2 micron thulium laser and other energy devices
- Potential for less adhesion and scar formation as a result of minimal thermal damage

**Example Clinical Indications**

**Laparoscopic GYN:**
- Endometriosis Surgery
- Adhesiolysis

**Head and Neck (TORS):**
- Tongue Base Surgery
- Tonsillar Cancer
### Additional Benefits of the FiberLase CO\(_2\) Fiber and Drop-In Guide System

- Preservation of robotic convenience and enhanced robotic utilization*  
- FiberLase Drop-In Guide can pass through a 5 mm trocar sleeve channel  
- Fiber tip renewable during procedure  
- Durable flexible guide enhances fiber access in minimally invasive surgery

### Drop-In Guide Specifications

<table>
<thead>
<tr>
<th>Product</th>
<th>FiberLase Robotic Drop-In Guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>AC-0001300, Pack of 5</td>
</tr>
<tr>
<td>Usage</td>
<td>Supplied sterile, single use</td>
</tr>
<tr>
<td>Length</td>
<td>80 cm nominal</td>
</tr>
<tr>
<td>Largest outer diameter</td>
<td>5.0 mm</td>
</tr>
<tr>
<td>Coil diameter</td>
<td>2.1 mm</td>
</tr>
<tr>
<td>Robotics compatibility</td>
<td>Std. needle drivers or similar</td>
</tr>
<tr>
<td>Compatible laser</td>
<td>AcuPulse 40WG CO(_2) laser</td>
</tr>
<tr>
<td></td>
<td>• SuperPulse: 0.5 – 15 Watts</td>
</tr>
<tr>
<td></td>
<td>• Pulser: 1 – 35 Watts</td>
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<tr>
<td></td>
<td>• Continuous Wave: 1.0 – 40 Watts</td>
</tr>
<tr>
<td>Compatible fiber</td>
<td>FiberLase flexible CO(_2) laser fiber</td>
</tr>
</tbody>
</table>

### FiberLase CO\(_2\) Fiber

<table>
<thead>
<tr>
<th>Specifications</th>
<th>2 meter long, 1.04 mm outside diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spot Size</td>
<td>295µm at fiber output</td>
</tr>
</tbody>
</table>

References:
2. Robert Albee; Excision of Endometriosis with the Carbon Dioxide Laser, in Surgical Management of Endometriosis, Edited by David Redwine, Publ. Martin Dunitz, 2004

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