Studies have shown that compared with other types of lasers and treatment modalities, physicians using CO$_2$ lasers for ear surgery can attain superior outcomes (1,2,3).

The OtoLase Solution. Extending Precision to Your Fingertips.
The microsurgical precision of the OtoLase delivery system makes it the ideal tool for delicate middle ear surgery and adequate treatment for small and sensitive auditory structures.

With OtoLase, surgeons can expect new levels of precision, ease-of-use, durability and cost-effectiveness.

*The OtoLase has been ergonomically engineered to meet the surgical needs. The air flow system eliminates the laser plume and facilitates visualization, and the aiming beam ensures target accuracy. The low profile and thin design allows the surgeon to reach the smallest recesses within the middle ear. This enhanced fiberoptic CO$_2$ laser technology has been worth the wait.*

John T. McElveen, Jr., M.D, Carolina Ear & Hearing Clinic, Raleigh, N.C., USA
Complete Visualization and Surgical Control in the Confined Space of the Middle Ear

**Features & Benefits**

**Complete Visualization**
The handpiece, shaft and tip are designed to facilitate an effective operational field.

**Flexibility and Ease of Use**
The multi-use straight and bent handpieces are designed with a grasping mechanism for simple maneuvering and optimal ergonomics.

**Maximal Versatility**
With interchangeable handpieces and single use straight and bent tips.

**Precision in Fenestration**
As ensured by the use of a small spot size and ultra-thin, highly durable tip.

**Predictable Tissue Interaction**
Deline layer-by-layer tissue removal with minimal thermal spread.

**The Optimal Solution for Diverse Treatments**
- **Stapedotomy**
  - Debulking and coagulation of vascular tumors
  - Glomus tumor
  - Adhesions
  - Myringotomy/ Tympanostomy

**Cholesteatoma**

**Product Specifications:**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>OtoLase Fiber</th>
<th>OtoLase Handpieces</th>
<th>OtoLase Tips</th>
<th>Drapes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Characteristics</strong></td>
<td>Flexible hollow WaveGuide with external protective jacket</td>
<td>Stainless steel handpieces</td>
<td>Ultra-thin, highly durable with enhanced energy transmission</td>
<td>Lightweight, easy-to-use and sterile fiber draping</td>
</tr>
<tr>
<td><strong>Provided</strong></td>
<td>Non-sterile, for up to 24 uses</td>
<td>Non-sterile, for multiple use</td>
<td>Sterile, single use, 12 in a box</td>
<td>Sterile, 24 drapes provided</td>
</tr>
<tr>
<td><strong>Configuration</strong></td>
<td>NA</td>
<td>Straight, Curved</td>
<td>Straight, Curved</td>
<td>NA</td>
</tr>
<tr>
<td><strong>Outer diameter</strong></td>
<td>NA</td>
<td>3mm (shaft)</td>
<td>~ 670µm</td>
<td>60mm</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>2 meters</td>
<td>~ 108mm</td>
<td>65mm</td>
<td>165cm</td>
</tr>
<tr>
<td><strong>OtoLase starter kit includes:</strong></td>
<td>1 fiber</td>
<td>1 straight and 1 curved handpiece</td>
<td>A box of 12 straight tips and a box of 12 curved tips</td>
<td>24 drapes</td>
</tr>
</tbody>
</table>

**Compatibility**
AcuPulse™ DUO and AcuPulse 40WG systems

**Risk Information**
CO₂ lasers (10.6 µm wavelength) are intended solely for use by trained physicians. Incorrect treatment settings or misuse of the technology can present risk of serious injury to patient and operating personnel. The use of Lumenis CO₂ laser is contraindicated where a clinical procedure is limited by anesthesia requirements, site access, or other general operative considerations. Risks may include excessive thermal injury and infection. Read and understand the CO₂ systems and accessories operator manuals for a complete list of intended use, contraindications and risks.

**References**