

OtoLase™

New Levels of Precision in Middle Ear Surgery .

Studies have shown that compared with other types of lasers and treatment modalities, physicians using CO₂ 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 CO₂ 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

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.



Complete Visualization

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

Precision in Fenestration

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

Predictable Tissue Interaction

Delicate layer-by-layer tissue removal with minimal thermal spread.

The Optimal Solution for Diverse Treatments

Stapedotomy

Debulking and coagulation of vascular tumors

Adhesions

Acoustic Neuroma

Glomus tumor

Myringotomy/ Tympanostomy

Cholesteatoma

Product Specifications:

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

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2. Lesinski SG, Lasers for otosclerosis--which one if any and why, Lasers Surg Med. 1990;10(5):448-57.
3. Motta, G. and L. Mosillo, Functional results in stapedotomy with and without CO₂ laser. ORL J Otorhinolaryngol Relat Spec, 2002. 64(5): p. 307-10.
4. Matkovic, S., B. Kitanoski, and Z. Malicevic, Advantages of CO₂ laser use in surgical management of otosclerosis. Vojnosanit Pregl, 2003. 60(3): p. 273-8.
5. Vernick DM, A comparison of the results of KTP and CO₂ laserstapedotomy, Am J Otol. 1996 Mar;17(2):221-4.
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