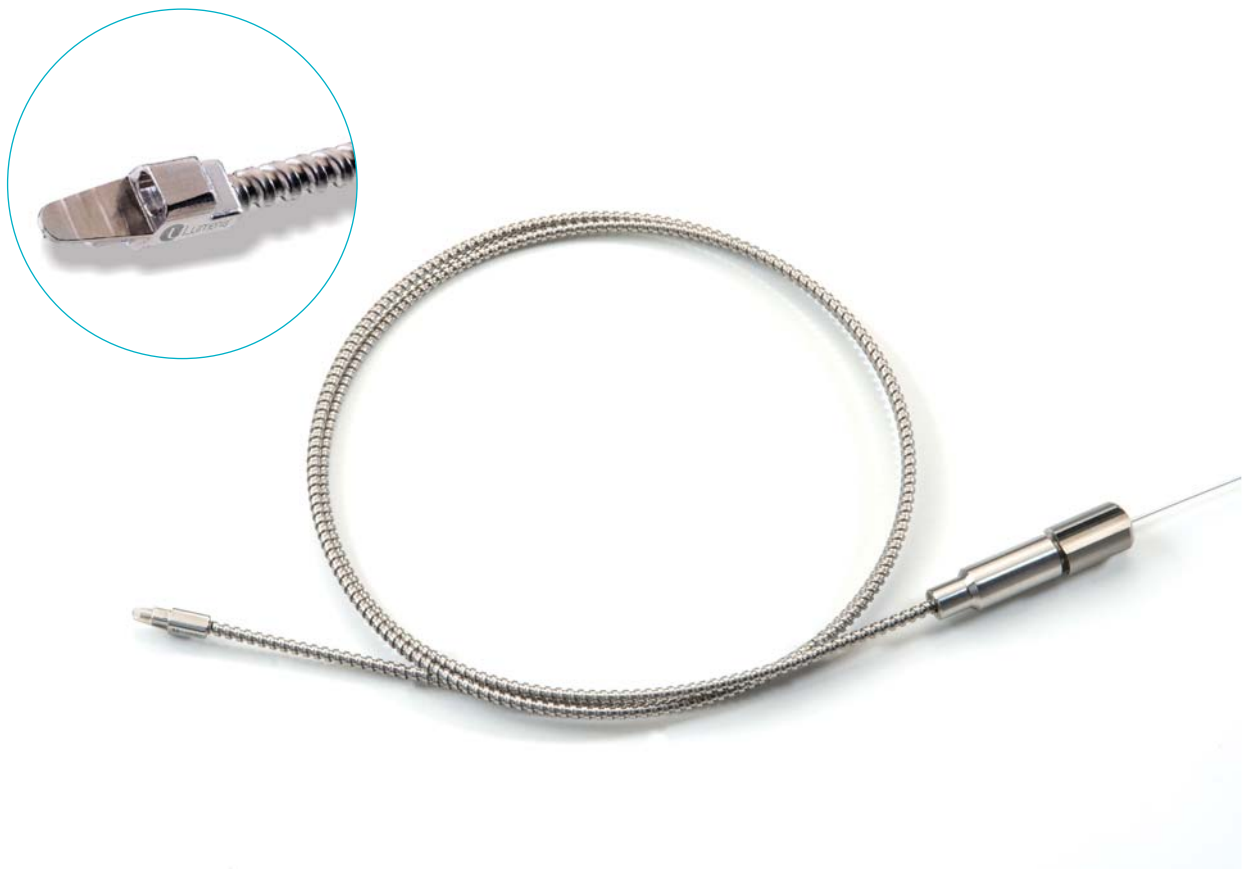


# Drop-in Guide

with FiberLase™.

The precise surgical tool for enhanced Robotic-Assisted Surgery. The FiberLase Robotic Drop-In Guide from Lumenis enables use of the best-in-class FiberLase™ CO<sub>2</sub> laser fiber for compounded surgical precision. The Drop-in Guide module is the outcome of close collaboration with physicians experienced with robotic surgery and FiberLase™ CO<sub>2</sub> laser fibers.



The FiberLase™ Drop In Guide (DIG) introduces the FiberLase™ CO<sub>2</sub> laser fiber to the surgical site and is used during robotically-assisted procedures which require precise soft-tissue manipulation. Combining FiberLase™ with Robotic surgery may lead to reduced morbidity<sup>1,2</sup>, adhesion and scar formation<sup>3</sup> as a result of minimal thermal damage.

FiberLase™ is positioned precisely within the flexible Drop-in Guide which can be inserted through a 5mm trocar sleeve channel. The combination of FiberLase™ and Drop-in Guide™ allows you to:

- Quickly access the targeted anatomy and tissue.
- Control the energy delivery to achieve the desired clinical outcome.
- Fully benefit from the dexterity of the CO<sub>2</sub> laser while enhancing your robotic utilization.

#### Durability and flexibility:

The Drop-in-Guide and the FiberLase™ fiber can withstand the multiple angles of articulation imposed by the robot.



#### Smart tissue management:

The CO<sub>2</sub> laser energy produces the smallest zone of thermal necrosis, compared with any other lasers and energy-based devices. The integrated aiming beam further allows for precise tissue targeting and as a result high preservation of adjacent delicate tissue is achieved.

#### Easy to grasp and operate:

The small profile of the Drop-In-Guide fits through a 5mm side port and in most cases alongside a viewing scope. The embedded spatula makes tissue manipulation possible while energy is transmitted for optimal tissue interaction.

"The flexibility of the laser fiber allows for better access to various anatomic areas in the pelvis. With the Drop-In Guide system, I can bring the advantages of laser technology to robotic surgery."

Michael D. Randell, M.D., F.A.C.O.G., of OBGYN Atlanta

#### Risk Information

CO<sub>2</sub> 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 CO<sub>2</sub> 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 CO<sub>2</sub> systems and accessories operator manuals for a complete list of intended use, contraindications and risks.

#### References:

1. Christel Meuleman et. al.; Outcome after multidisciplinary CO<sub>2</sub> laser laparoscopic excision of deep infiltrating colorectal endometriosis, Reproductive BioMedicine Online, Vol. 18, No. 2, 2009, 282 – 289.
  2. Robert Albee; Excision of Endometriosis with the Carbon Dioxide Laser; in Surgical Management of Endometriosis, Edited by David Redwine, Publ. Martin Dunitz, 2004.
  3. Erica Schipper, Camran Nezhat; Video-assisted laparoscopy for the detection and diagnosis of endometriosis: safety, reliability and invasiveness; International Journal of Women's Health 2012:4, 383 – 393.
- Remacle M, Matar N, Bachy V, Delos M and Nollevaux MC. Combining a new CO<sub>2</sub> laser wave guide with transoral robotic surgery: a feasibility study on four patients with malignant tumors. Eur Arch Otorhinolaryngol 2012 Jul;269(7):1833-7

#### FiberLase Robotic Drop-In Guide Specifications

How Supplied	Sterile, single-use, box of 5
Length	80 cm nominal
Largest outer diameter	5.0 mm
Instrument Compatibility	Small needle driver, or similar
Fiber Spot Size	500 μm at fiber output



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