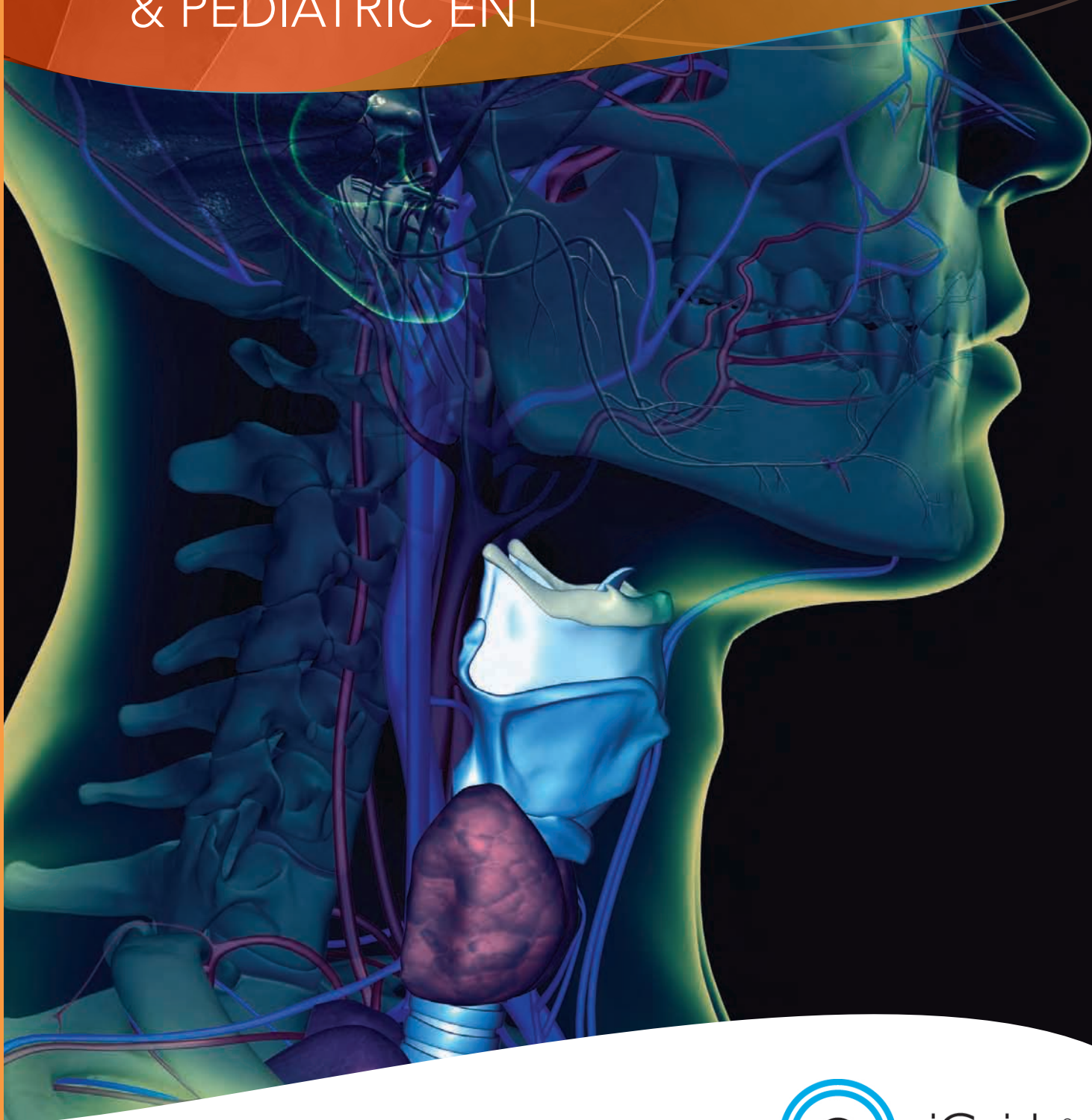


OmniGuide's BeamPath™ System for HEAD & NECK SURGERY, LARYNGOLOGY, AIRWAY SURGERY, & PEDIATRIC ENT

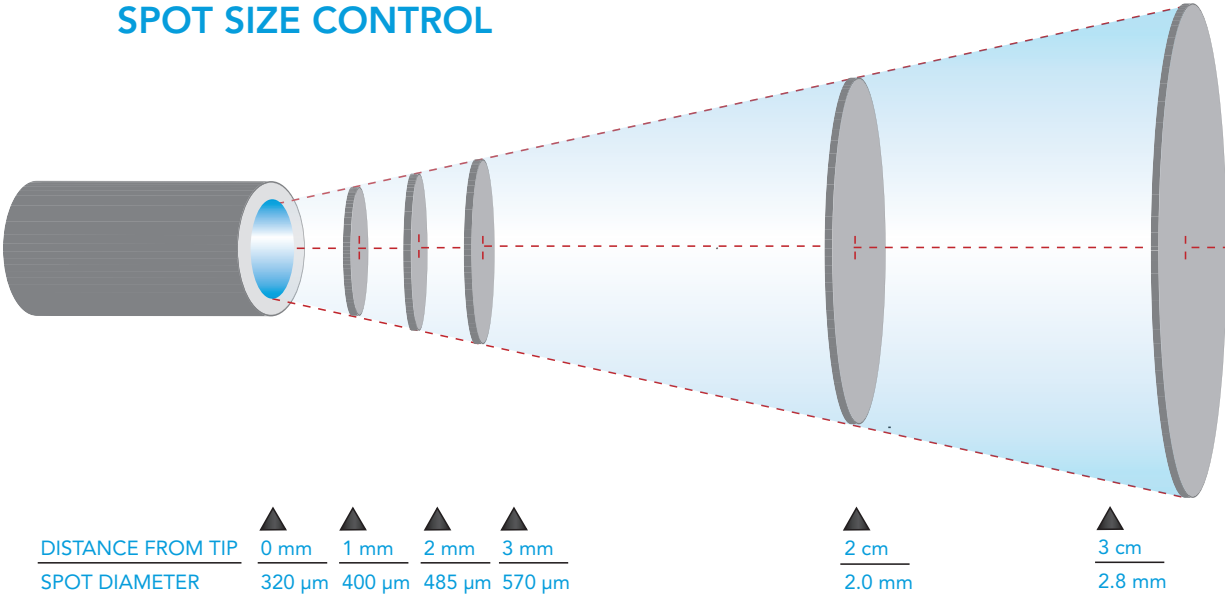


THE BEAMPATH ADVANTAGE

For decades, lasers have provided the only no-touch cutting tool available to surgeons. Of these, CO₂ lasers have always been considered the most safe and precise. CO₂ laser energy is readily absorbed in water, the main component of living cells, leading to minimal thermal spread and collateral tissue injury. OmniGuide's novel technology, the BeamPath System, enables for the first time flexible delivery of CO₂ laser energy to the human body, even to previously tough-to-reach anatomy. This precise optical scalpel empowers surgeons to expand the reach of minimally invasive surgery.

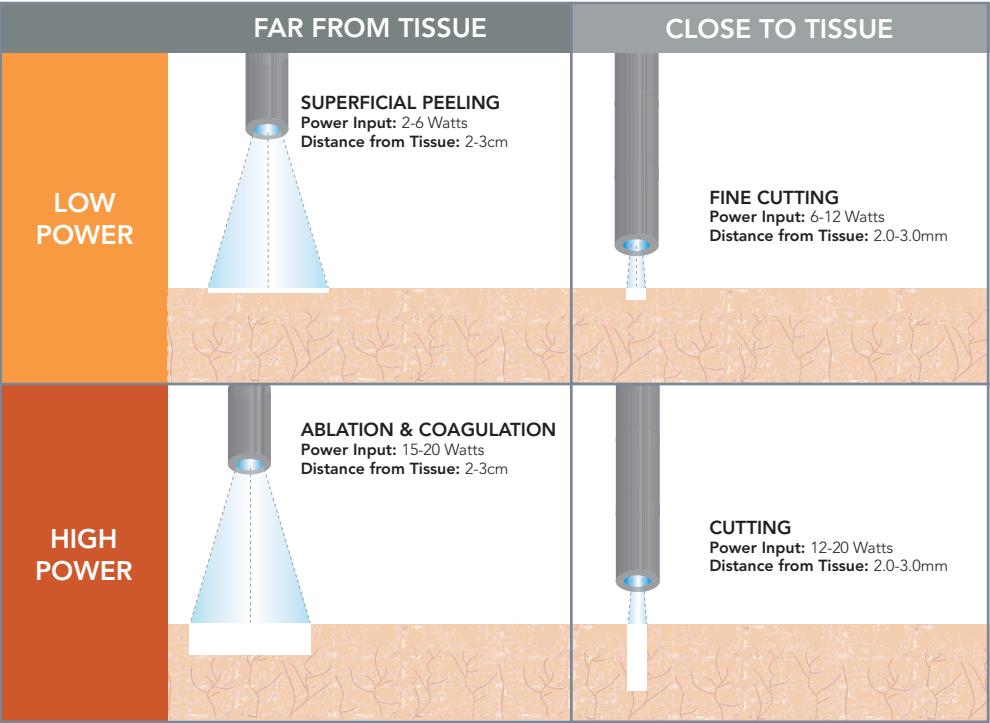


SPOT SIZE CONTROL



The BeamPath ENT, by varying power level and spot size control (see Spot Size Control diagram above), can be used in four modes to achieve four different tissue interactions (see The 4 Modes of Operation diagram below). The BeamPath ENT's four modes offer unparalleled versatility: Cutting (close to tissue at high power), Fine Cutting (close to tissue at low power), Ablation & Coagulation (far from tissue at high power) and Superficial Peeling (far from tissue at low power).

THE 4 MODES OF OPERATION




Representative illustration only, not drawn to scale.

HEAD & NECK SURGERY



The BeamPath ENT System provides Head and Neck surgeons with a multifunctional, handheld CO₂ laser scalpel, capable of cutting, microvascular coagulation and no-touch dissection. It enables surgeons to use a minimally invasive approach for Head and Neck oncology, and in some cases avoid the need for an open laryngectomy or other invasive surgery.

The BeamPath ENT System places control in the hands of Head and Neck surgeons by providing a flexible, no-touch, highly precise CO₂ laser scalpel. The BeamPath ENT fiber can be used as a cutting tool allowing for rapid and precise removal of tumors. The precision of CO₂ laser energy allows surgeons to maintain negative margins without excessively removing healthy tissue. It can also be used for ablation to shrink tumor masses in a controlled, layer-by-layer fashion. The hollow core of the fiber delivers a cooling flow of inert gas that clears the surgical field of blood and debris, allowing surgeons to resect tumors and simultaneously achieve microvascular coagulation.



The BeamPath ENT fiber's flexibility enables surgeons to directly access previously tough-to-reach regions such as the retromolar trigone.

Its no-touch virtue leads to reduced tissue manipulation and may lessen post-operative edema and ensuing complications. Compared to electrocautery, the BeamPath ENT causes much less thermal damage to surrounding tissue leading to cleaner margins for histological analysis.

CLINICAL PROCEDURES

- >> Base of Tongue Resection
- >> Hemi-Laryngectomy
- >> Glossectomy
- >> Cordectomy
- >> Floor of Mouth Resection
- >> Retromolar Trigone Cancer Resection
- >> Tonsillar Cancer Resection
- >> Zenker's Diverticulotomy

LARYNGOLOGY, AIRWAY SURGERY & PEDIATRIC ENT


LARYNGOLOGY, AIRWAY SURGERY & PEDIATRIC ENT



The BeamPath ENT System provides Laryngologists and Pediatric ENT surgeons with a multifunctional laser scalpel capable of ablation, microvascular coagulation and delicate no-touch dissection.

The BeamPath ENT System enables precise cutting and no-touch ablation of tissue on difficult-to-reach anatomy. Unlike the line-of-sight CO₂ laser approach for Laryngology and Airway disorders, the BeamPath ENT fiber's

intuitive handheld design and maneuverability allows the surgeon to direct CO₂ laser energy behind and around anatomical structures. This is particularly useful in removing sessile polyps, lesions, or tumors which are not positioned perpendicular to the surgeon's line-of-sight.


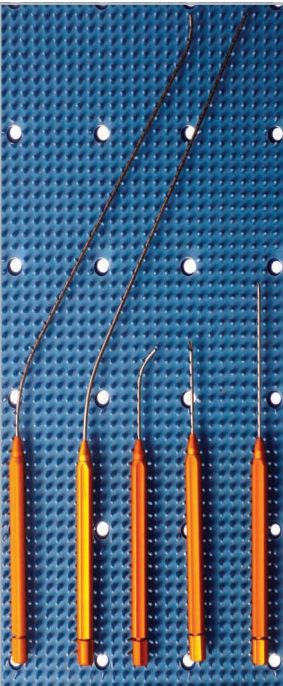




The BeamPath ENT System enables radial cuts with microvascular coagulation and minimal thermal spread thus advancing the treatment of tracheal stenosis, a procedure for which surgical options are limited. Flexible fiber delivery of CO₂ laser energy allows certain procedures, such as papilloma removal, to be performed in the office or clinic rather than the operating room. The fiber can be delivered to target tissue via OmniGuide's custom laryngeal handpieces, a rigid bronchoscope, or the working channel of a flexible endoscope.

CLINICAL INDICATIONS

- >> Laryngeal Papilloma
- >> Tracheal Papilloma
- >> Tracheal Stenosis
- >> Subglottic Stenosis
- >> Supraglottic Stenosis
- >> Laryngeal Granuloma
- >> Tracheal Granuloma
- >> Vocal Cord Polyp/Cyst
- >> Tracheal Amyloid

ORDERING INFORMATION

	Catalog #	Product Name	Description
	ENT-L	BeamPath ENT-L Fiber	Spot size = 320µm, Outside Diameter = 1.21mm Length = 150 cm. Set of 10 fibers.
	ENT-HS	BeamPath ENT Handpiece Set	Includes eight ENT handpieces; ENT-HP-6, 6B, 13, 13B, 18, 18B, 24, 24B and one autoclave tray.
	ENT-HP-6	BeamPath ENT Handpiece	6 cm working length. Compatible with ENT-L fiber.
	ENT-HP-6B	BeamPath ENT Handpiece	6 cm working length, bent. Compatible with ENT-L fiber.
	ENT-HP-13	BeamPath ENT Handpiece	13 cm working length. Compatible with ENT-L fiber.
	ENT-HP-13B	BeamPath ENT Handpiece	13 cm working length, bent. Compatible with ENT-L fiber.
	ENT-HP-18	BeamPath ENT Handpiece	18 cm working length. Compatible with ENT-L fiber.
	ENT-HP-18B	BeamPath ENT Handpiece	18 cm working length, bent. Compatible with ENT-L fiber.
	ENT-HP-24	BeamPath ENT Handpiece	24 cm working length. Compatible with ENT-L fiber.
	ENT-HP-24B	BeamPath ENT Handpiece	24 cm working length, bent. Compatible with ENT-L fiber.
	FELS-25A	Fiber Enabled Laser System	Portable CO ₂ laser with optical adapter; BeamPath ENT-L compatible. Maximum Power 25 W.
	FELS-30S	Fiber Enabled Laser System	Portable CO ₂ laser with optical adapter; BeamPath ENT-L compatible. Maximum Power 30 W.
	ACC-GH-2	Helium Gas Hose	8-foot helium gas hose.
	ACC-SH-510	Helium Gas Cylinder	Helium gas tank (510 liter).
	ACC-SH-290	Helium Gas Cylinder	Helium gas tank (290 liter).
	ACC-GR-SH-1	Gas Tank Regulator	GasTank regulator: 0-200 PSI output pressure. For use with the SH-510 and SH-290 helium gas cylinders.
	ACC-GRP	Handpiece Grippers	Replacement silicone grippers for handpieces. Pack of 10.
	ACC-SG-1	Safety Glasses	Laser safety glasses.



For more information or to order call 888-666-4484/617-551-8444
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