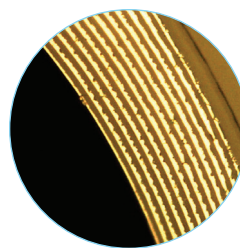




## BEACON<sup>TM</sup><sub>2</sub>

ADVANCED ENERGY LASER SYSTEM

The BEACON Advanced Energy Laser combines our industry-leading enhanced safety fibers with free beam energy, giving you the versatility to choose.



OmniGuide's polymer-based Enhanced Safety Fibers feature multiple layers of highly reflective mirrors, which efficiently transmit laser energy the length of the fiber.



# Versatile

One laser, multiple functions.



Line of Sight options via lockable articulating arm



Compatible with OmniGuide's polymer-based Enhanced Safety Fibers



# Easy to Use

High definition display featuring an intuitive, smartphone-like navigation

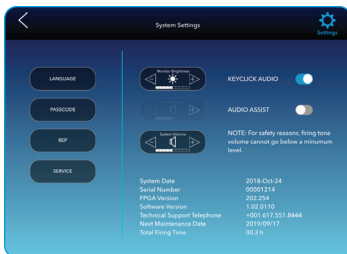


*Touchscreen, intuitive icons and buttons, sliders, toggles, etc.*

Multi-position screen with advanced range of motion



Built-in audio and visual guidance features



*Audio assist “talks” to you to confirm standby and firing modes*



*LED lights up when the laser is active - solid light indicates laser is in standby mode, blinking mode indicates laser is firing*

## OR inspired workflow

- Dual laser option to accommodate surgical preferences: Flexible fiber and articulating arm configuration
- Fiber connection features quick disconnect gas port, RFID antenna, and fiber adapter with fiber socket
- Articulating arm conveniently locks in different configurations
- Compatible with a variety of articulating arm components and accessories including micromanipulators, laparoscopic couplers, and incisional handpieces
- Onboard software enables surgeons to save preset preferences, and to conveniently review historical case data
- Interface includes estimated time remaining gauge for helium tanks
- Includes a step-by-step “connection” guide for users



# Built for Performance

BEACON was built from the ground up with all original designs; from boards to frame to delivery assemblies - all leading to the creation of the most advanced laser system available.

## Mobility with Integrity

- Internal optical components are designed to be isolated from vibration
- Isolation enables mobility without the inconvenience of misalignment

## Multiple Laser Modes

- Multiple laser modes for desired tissue interaction:  
**Continuous, Single Pulse, and Repeat Pulse**
- **Available in Continuous and SuperPulse settings** - SuperPulse delivers up to 1,000 pulses/second of max peak power with duration of < 1 msec. High peak power and low duty cycles result in minimized tissue charring

## Original Designs, Easy to Service

- OmniGuide engineers designed the BEACON from the ground up - all internal components were designed with the BEACON in mind
  - Proprietary software applications designed by OmniGuide engineers enable highly accurate laser calibration
    - Integrated columnar design eliminates the need for an additional cart

### BEACON Specifications

<b>Laser Wave Length:</b>	10,600 nm
<b>Output Power:</b>	Fiber Adapter: 30 W Maximum Articulating Arm: 60 W Maximum
<b>Connectors:</b>	Fiber Adapter: custom ST connector Articulating Arm: 15/16-12 female thread
<b>Weight:</b>	72 kg (159 lbs - laser only)
<b>Size (WxDxH):</b>	49 x 49 x 144 cm (20" x 20" x 59")
<b>Operating Voltage/Current:</b>	120 / 240 volts



# Enhanced Safety Fibers

Unlike silica-based fibers limited to a single mirror, OmniGuide Surgical's polymer-based enhanced safety fibers use a multi-layered set of mirrors to transmit CO<sub>2</sub> energy — boosting performance and maximizing safety in every scenario. These smooth, reflective mirrors guide and control light, layer-by-layer — without compromising performance when the fiber is uniquely articulated to treat difficult-to-reach anatomy.

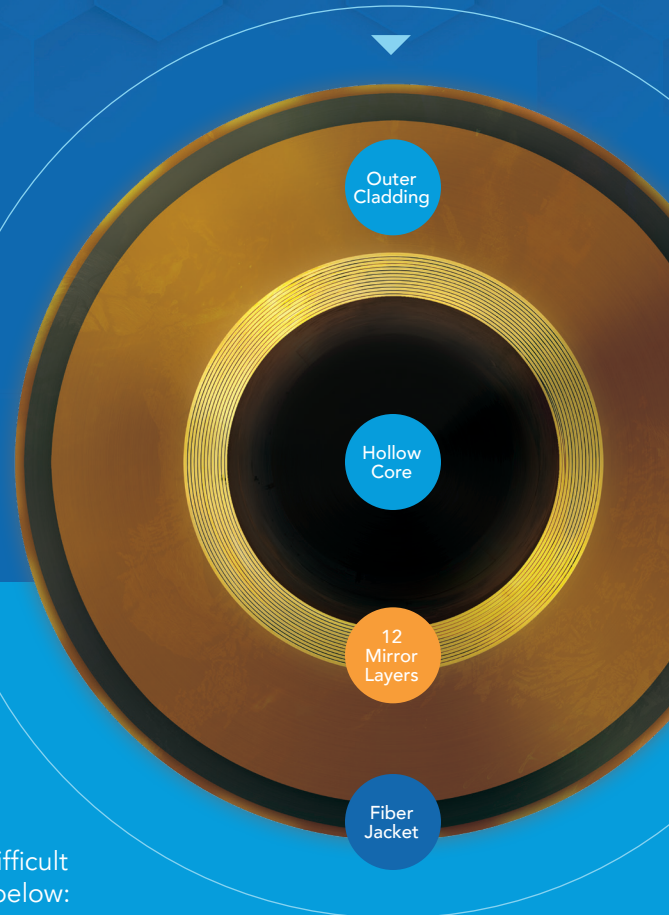
## Anatomy of an OmniGuide Surgical Fiber

**Fiber Base:** The fiber base is a hollow cylindrical tube made up of layers of polymer-based mirrors, which reflect the laser energy the length of the fiber. A transparent outer cladding layer is placed between the fiber base and the fiber jacket, providing strength and enhancing durability.

**Mirror Layers:** Mirror layers are the key to efficient transmission of CO<sub>2</sub> energy. OmniGuide Surgical fibers feature smooth, reflective mirrors which trap, guide, and control light layer-by-layer. These mirrors efficiently reflect laser light at any angle with virtually no loss of energy in bend configurations.

**Fiber Jacket:** The fiber jacket wraps around both the fiber base and the outer cladding, safely containing all laser energy. The jacket contains a stainless steel skeleton which makes the fiber more robust, and greatly reduces kinking.

Anatomy of a VELOCITY High Performance Fiber



## Specialty Specific Instrumentation

OmniGuide Surgical's Enhanced Safety Flexible Fibers are loaded into our specialty-specific instrumentation to provide a balanced, comfortable feel while providing maximum visibility and access to difficult to reach anatomies. Several varieties and configurations are shown below:



*Elevate ENT instrumentation*



*Gynecologic instrumentation*



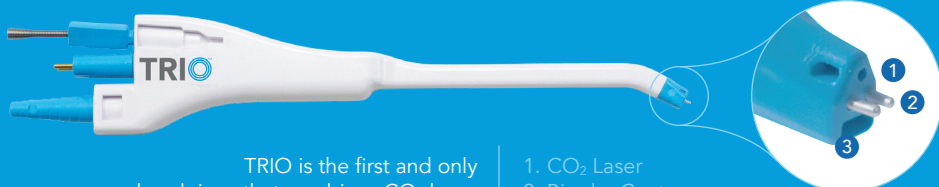
*Otologic instrumentation*



*LapFlex articulating instrument*

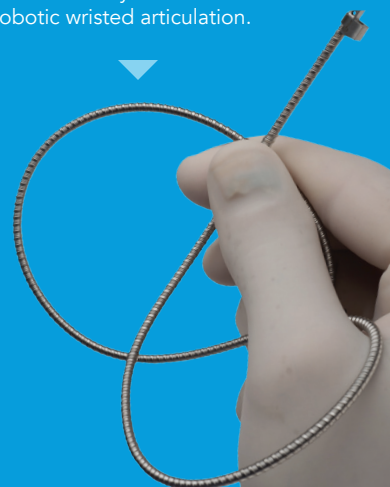


The FlexGuide ULTRA instrumentation brings the precision of CO<sub>2</sub> energy to robotic surgery. Its coiled design provides flexibility to accommodate full robotic wristed articulation.



TRIO is the first and only handpiece that combines CO<sub>2</sub> laser, bipolar cautery, and fluid suction.

1. CO<sub>2</sub> Laser
2. Bipolar Cautery
3. Fluid Suction



# Ordering Information

SKU	Description	Type
420060-AA	60W Laser with Articulating Arm	Laser
420030-AA	30W Laser with Articulating Arm	Laser
420031	AccuBeam EasySpot Micromanipulator	Micromanipulator
420070	AccuBeam MicroSpot Micromanipulator	Micromanipulator
420050	Universal Zeiss Mount for EasySpot MM	Mount
420051	Universal Leica Mount for EasySpot MM	Mount
420061	Universal Zeiss Mount for MicroSpot MM	Mount
420062	Universal Leica Mount for MicroSpot MM	Mount
420035	Incisional Hand Piece - 75 mm	Handpiece
420036	Incisional Hand Piece - 100 mm	Handpiece
420037	Incisional Hand Piece 125 mm	Handpiece
420038	Incisional Hand Piece - 200 mm	Handpiece
420039	Incisional Hand Piece - 250-450 mm	Handpiece
420041	Standard EndoAdapter w/ 5.1 mm Stem	Adapter
420042	Olympus EndoAdaptor w/ 5 mm Stem	Adapter
420043	Wolf EndoAdaptor w/ 5 mm Stem	Adapter
420044	Lens Assembly 400 mm	Lens Assembly
420045	Zoom System / Laparoscopic 180-400 mm Variable	Lens Assembly
420046	Direct Coupler	Coupler
420047	Lumenis Micromanipulator Coupler	Coupler
321015	ELEVATE ENT Instrument Set, 13 handpieces & tray	Instrumentation
321016	ELEVATE ENT Instrument Set, 11 handpieces & tray	Instrumentation
341003	LapFlex GYN Instrument Set, 1 handpiece & tray	Instrumentation
341004	OmniFlex GYN Instrument Set, 2 handpieces & tray	Instrumentation
GYN-HS-LAP-1	BeamPath GYN Laparoscopic Instrument Set, 2 handpieces & tray	Instrumentation
GYN-HS-LGT	BeamPath GYN Lower Genital Tract Instrument Set, 5 handpieces & tray	Instrumentation
GYN-HS-MIS	Robotic & Laparoscopic GYN MIS Instrument Set, 3 handpieces & tray	Instrumentation
FLEX-ULTRA SET	FlexGuide ULTRA Instrument, 1 handpiece & tray	Instrumentation
OTO-HS	BeamPath OTO Instrument Set, 2 handpieces & tray	Instrumentation
323000	TRIO Multifunctional Handpiece	Instrumentation

To schedule a clinical evaluation trial, call us at  
888-666-4484 or visit [www.omni-guide.com/beacon](http://www.omni-guide.com/beacon)

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☎ 888.666.4484 | 617.551.8444  
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