



LASER SOLUTIONS, INC.

Super Pulse CO₂ Lasers



NEW "DS™" Adapter patent pending
for the UltraLase™ Waveguide

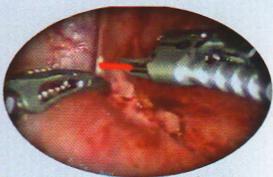
Ultra Md™

Super Pulse CO₂ Lasers

Laser Available in
40, 60, and 80 watts

**New Dual Shutter
'DS' Adaptor**
Creates Fiber &
Traditional Arm Laser
patent pending

**UltraLase CO₂ Flexible
Fiber Wave Guide**



**Introducing New
Ultralase Fiber with
HeNe Aiming Beam**



**Also Available:
Isotope 11200nm
GYN/LAP
Laser 50W**

**Multi-Specialty CO₂ Sealed Tube
System for applications in all surgical
specialties**

**NEW OPERATING SYSTEM
with REMOTE DIAGNOSTIC CAPABILITIES**

- engineered to be reliable, stable and user-friendly
- full line of unique accessories
- strong warranty programs, 3 year non-prorated tube, 1 year parts
- advanced training available
- experienced service network nationwide
- thirty years as an American laser manufacturer

NEW TOUCH PANEL increases ease of use

- continuous wave and super pulse, resulting in less thermal damage on tissue
- all features are available at the touch of a finger

REDUCED SYSTEM MAINTENANCE

- laser gas is permanently sealed in the tube itself, reducing system maintenance

SAFE, EASY TO USE AND COST EFFECTIVE

- microprocessor-controlled circuitry provides self-calibration and precise parameter adjustment
- self diagnostics and continuous monitoring of all functions assuring safe use and ease of service

AIMING BEAM FOR PRECISE APPLICATION

- bright 5 milliwatt HeNe laser aiming beam is easily visible in endoscopic applications
- beam can be attenuated down when necessary for other applications

DANGER

VISIBLE AND INVISIBLE LASER RADIATION
AVOID EYE AND SKIN EXPOSURE
TO DIRECT OR SCATTERED RADIATION

100W CO₂ MAX
5mW HeNe MAX
CLASS IV LASER PRODUCT



Lasers Accessories

micromanipulators,
couplers, and handpieces
for a variety of lasers

ULTRA DOUBLE SHUTTER ADAPTER

- ALLOWS THE LASER TO USE THE ARTICULATING ARM OR FIBER



DS™ Adapter patent pending

MICROMANIPULATORS

- WILL FIT MOST MICROSCOPES AND COLOSCOPES



Unimax



Standard

LAPAROSCOPIC COUPLERS

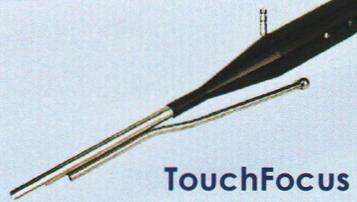
- COUPLERS WILL FIT MOST OPERATIVE LAPAROSCOPES



Vector

HANDPIECES

- WILL FIT ANY CO₂ LASER WITH OPTIONAL ADAPTER



TouchFocus



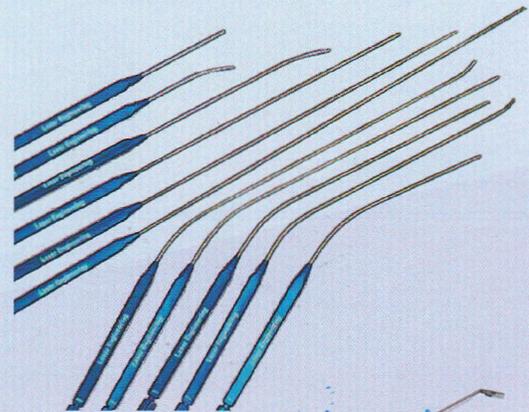
125mm

ACCESSORIES

- ADAPTERS AVAILABLE FOR MOST MICROSCOPES AND COLOSCOPES
- ARM THREAD ADAPTERS AVAILABLE TO ADOPT ACCESSORIES TO ANY CO₂ LASER
- SAFETY EYEWEAR, SMOKE EVACUATORS, REPLACEMENT FILTERS AND FIBERS ARE ALSO AVAILABLE

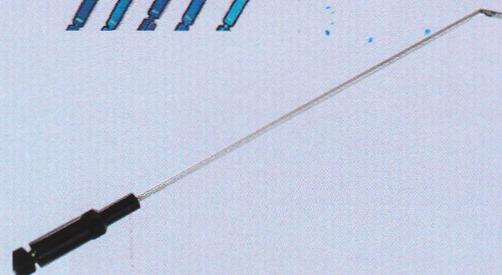
Fiber Handpieces

- 1059761 60 mm Straight Handpiece
- 1059791 60 mm Bend Handpiece
- 1059730 130 mm Straight Handpiece
- 1059770 130 mm Bend Handpiece
- 1059711 180 mm Straight Handpiece
- 1059742 190 mm Bend Handpiece
- 1059712 190 mm Dbl Bend Handpiece
- 1059751 240 mm Straight Handpiece
- 1059750 230 mm Bend Handpiece
- 1059721 240 mm Dbl Bend Handpiece
- 1059723 290 mm Straight Handpiece
- 096142 Silicone Grommet Grip 14 ga. 062"
- 6-1400 Fiber Handpiece Tray



9501
Laparoscopic-Fiber Director 70° Deflector

9330
Touhy-Borst Valve (10pkg)



DISTRIBUTED BY:
Laser Solutions Inc.
Basking Ridge, NJ 07920
(800) 230-7705

UltraLase™

CO₂ FIBER WAVEGUIDE

FLEXIBLE WAVEGUIDE FOR MAXIMUM POWER TRANSMISSION

- high (80%) power transmitted to tip
- proprietary technology and design
- high power capacity, up to 30 watts
- super pulse up to 15 watts
- coagulated without collateral damage
- precise surgical scalpel, small spot size 0.25mm
- no touch dissection and ablation
- renewable tip during surgery

SIGNIFICANT COST SAVINGS

- with a competitive price and five year shelf life, the UltraLase CO₂ waveguide provides both quality and cost savings to your medical facility

DISPOSABLE

- packaged sterile for single-use, providing convenience and reducing personnel time

VARIETY OF SIZES

- offered in 300 and 500 micron diameters, providing the options you need to cover your specific surgical applications

HWG300-2.0/3.0

UltraLase Flexible Silica Waveguide
300 Micron Box of 3

HWG500-2.0/3.0

UltraLase Flexible Silica Waveguide
500 Micron Box of 3

308-1049

- Ultra Double Shutter Adaptor (allows the laser to use the articulating arm or Fiber)
- Dual shutter allows existing MD Ultra CO₂ Laser conversion to a fiber laser
- Safety Features built in InterLock

10600-01

Ultra-Robotic Fiber Director

Fiber Attachment

- Fiber can connect to any Fiber Enabled Laser System (Length 2.0m / Size 300u and 500u)
- No High Pressure Coolant Needed

for LEI and OmniGuide™
CO₂ Lasers

DS™ Adapter
patent pending
308-1049



Fiber Attachment



UltraLase
CO₂ Fibers are
packaged sterile
for single-use and
feature a five year
shelf life

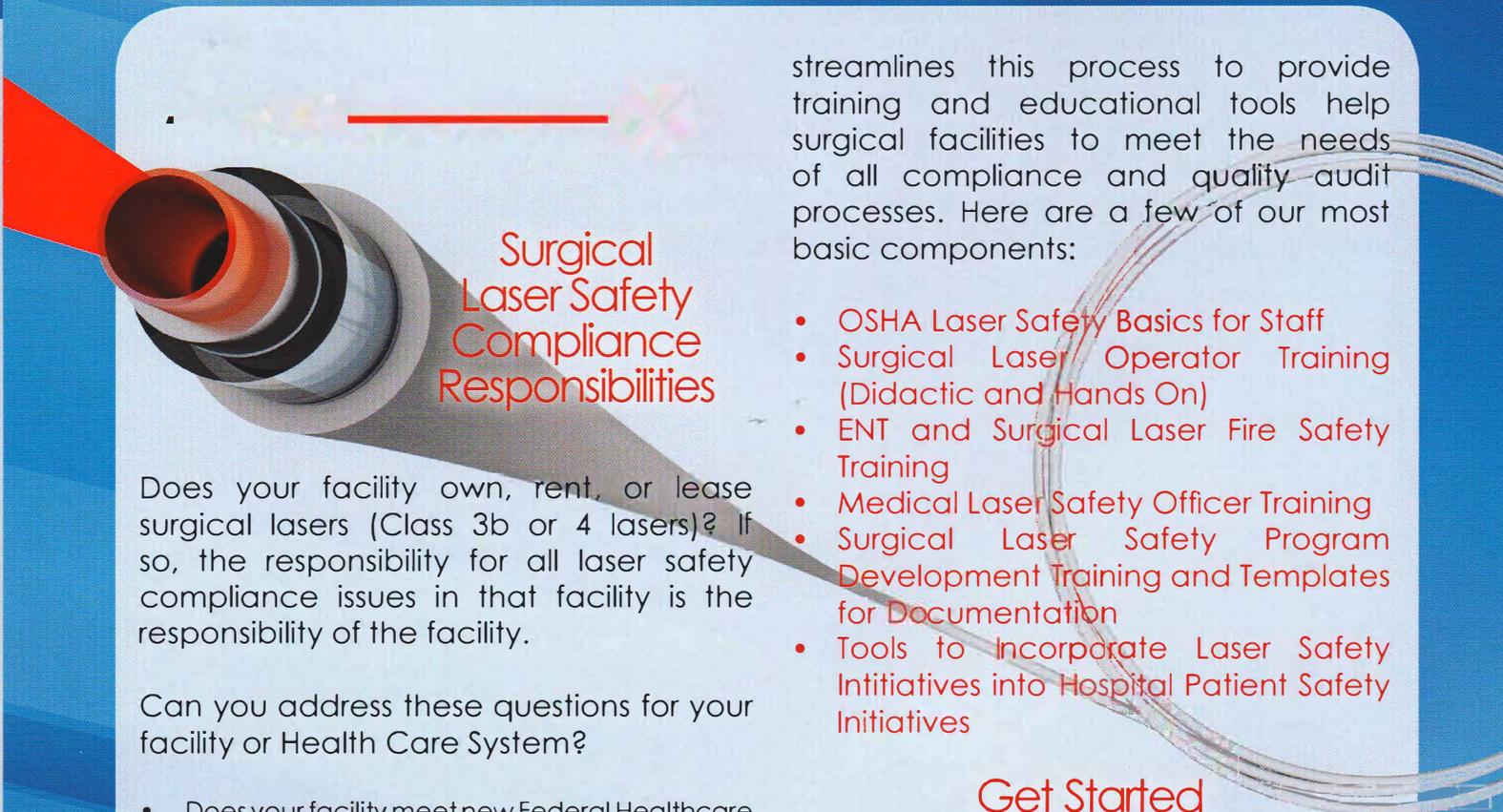
**UltraLase Hollow
Waveguide**

HWG300-2.0/3.0
HWG500-2.0/3.0

**Ultra Robotic
Fiber Director**

10600-01





Surgical Laser Safety Compliance Responsibilities

Does your facility own, rent, or lease surgical lasers (Class 3b or 4 lasers)? If so, the responsibility for all laser safety compliance issues in that facility is the responsibility of the facility.

Can you address these questions for your facility or Health Care System?

- Does your facility meet new Federal Healthcare Laser Safety Guidelines? (ANSI Z136.3 , 2011)
- Does your facility meet OSHA Laser Safety Regulations?
- Has your facility MLSO (Medical Laser Safety Officer) completed approved MLSO training within the past 5 years?
- Does your laser safety program meet state specific laser safety regulations?
- Does your laser safety program reflect MLSO Best Practices (LIA)?
- Does your facility reflect AORN Laser Safety Recommended Practices?
- How safe is your ENT Surgical Laser Program?
- Could your laser safety program stand up to a laser safety audit?

Core Surgical Laser Safety Compliance Offerings

The use of surgical lasers is a common tool in most all major Healthcare Facilities, Hospitals, and Surgical Centers today. As the profile of healthcare continues to change, the focus on patient safety and staff safety must be a centrist goal. It is the responsibility of all healthcare facilities to ensure that laser safety compliance is met from a federal, state, and professional level. The tools developed by SIS, Inc.

streamlines this process to provide training and educational tools help surgical facilities to meet the needs of all compliance and quality audit processes. Here are a few of our most basic components:

- OSHA Laser Safety Basics for Staff
- Surgical Laser Operator Training (Didactic and Hands On)
- ENT and Surgical Laser Fire Safety Training
- Medical Laser Safety Officer Training
- Surgical Laser Safety Program Development Training and Templates for Documentation
- Tools to Incorporate Laser Safety Initiatives into Hospital Patient Safety Initiatives

Get Started

Our experienced surgical laser consulting team offers all levels of education and training for healthcare groups. Our programs can provide your facility with the tools and core training programs that meet federal, state and professional compliance requirements. We invite you to call us for a free consultation to help you identify your healthcare facilities needs.

Cost Effective and Efficient Blend of Learning Venues

- On-Line Courses through our On-Line Educational Portal: **SISeLearn**
- On-Site Didactic
- On-Site Hands On (Your Facility, Your Lasers)
- Virtual Classroom Technology

Laser Solutions, Inc.

**We Drive Surgical Laser
Excellence**

Laser Specifications

| | ULTRA MD™ 40 SUPER PULSE | ULTRA MD™ 60 SUPER PULSE | ULTRA MD™ 80 SUPER PULSE |
|---------------------|---|---|---|
| Power to Tissue | 1-40 watts | 1-60 watts | 1-80 watts |
| Wavelength | 10.6 microns | 10.6 micron | 10.6 micron |
| Beam Geometry | TEM ₀₀ | TEM ₀₀ | TEM ₀₀ |
| Laser Configuration | Sealed-off Tube | Sealed-off Tube | Sealed-off Tube |
| Control Panel | Microprocessor Control with Self-Calibration & Touch Screen | Microprocessor Control with Self-Calibration & Touch Screen | Microprocessor Control with Self-Calibration & Touch Screen |
| Exposure Time | Variable up to Continuous with Repeat Mode | Variable up to Continuous with Repeat Mode | Variable up to Continuous with Repeat Mode |
| Super Pulse | 1 to 20 watts | 1 to 30 watts | 1 to 40 watts |
| Aiming Beam | 5mW Helium Laser, adjustable | 5mW Helium Laser, adjustable | 5mW Helium Laser, adjustable |
| Spot Size | .10mm with 50mm handpiece .25mm with 125mm handpiece | .10mm with 50mm handpiece .25mm with 125mm handpiece | .10mm with 50mm handpiece .25mm with 125mm handpiece |
| System Height | Folded 69 3/4 inches Unfolded 64 1/2 inches | Folded 69 3/4 inches Unfolded 64 1/2 inches | Folded 80 inches Unfolded 74 inches |
| Arm Reach | 59.0 inches | 59.0 inches | 59.0 inches |
| System weight | 190 lbs. | 190 lbs. | 205 lbs. |
| Foot Print | 21.5 x 21.5 inches | 21.5 x 21.5 inches | 21.5 x 21.5 inches |
| Electrical / Input | 8 AMPS/120 VAC 50/60 Hz 800 VA | 8 AMPS/120 VAC 50/60 Hz 800 VA | 8 AMPS/120 VAC 50/60 Hz 800 VA |
| Cooling | Self-contained liquid to air | Self-contained liquid to air | Self-contained liquid to air |
| Warranty | 3 year non-prorated tube 1 year all parts | 3 year non-prorated tube 1 year all parts | 3 year non-prorated tube 1 year all parts |

