

# Holmium Laser Fibers

FOR THE VERSAPULSE FAMILY OF LASERS

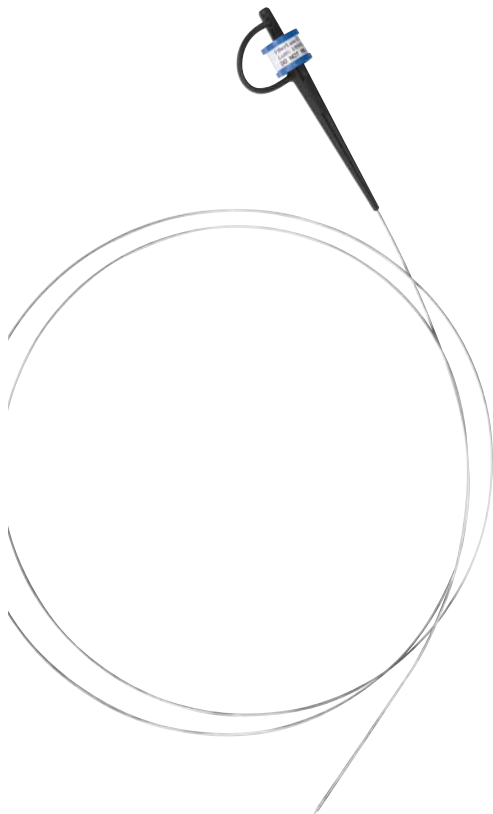


SUPERIOR PERFORMANCE, RELIABILITY AND FLEXIBILITY



# Holmium Laser Fibers

Lumenis single-use and reusable fibers are specifically designed to work with the VersaPulse family of lasers. They provide the best optical and mechanical connection between the fiber and laser systems' proprietary parameters.



## Performance & Reliability

Lumenis fibers have a custom optical connection with Lumenis lasers. Lumenis devices exactly match the optical specifications — such as spot size, focal point location and focus angle — of the holmium and dual-wavelength family of lasers.

- Guaranteed compatibility for safe and effective use with Lumenis lasers
- FDA cleared specifically for use with Lumenis lasers
- Manufactured to provide optimum performance on Lumenis lasers and are laser-tested before leaving production
- Core, cladding and jacket materials have been selected for their biocompatible properties

### RISKS OF USING NON-LUMENIS FIBERS

The optical incompatibility of non-Lumenis fibers could result in energy loss due to leakage and decreased energy transmission, possibility affecting safety, clinical effectiveness, and overall laser system quality in the following ways:

- Reduced energy transmission may result in delivering less energy to tissue than the laser screen indicates, resulting in reduced and unexpected tissue or lithotripsy effect
- Leaking energy may cause damage to the laser debris shield, delivery device, scope, or laser system
- Leaking energy may burn patient and/or operator
- Leaking energy may cause premature fiber wear, resulting in suboptimal performance or fewer than expected number of uses for reusable fibers

## Intelligent Fibers

The fibers now available for the VersaPulse P20 offer integrated SIS (Smart Identification System) technology. This technology enables the system to detect which SIS fiber has been connected and automatically brings up last settings used. These reusable and single-use fibers are custom designed for the P20 and are perfectly suited for procedures such as tumors and stones.





## Variety of Solutions

### UROLOGY FIBERS

**DuoTome™ SideLite™** Single-use, 550 micron, side-fire fiber designed for a fluid environment that directs laser energy at a 70° angle making it the ideal fiber for a procedure such as HoLAP (Holmium Ablation of the Prostate) which vaporizes tissue.

**SlimLine™ & SlimLine SIS** Reusable, end-fire fibers that are available in 200, 365, 550 and 1000 microns and are suitable for a variety of endoscopic procedures.

**SlimLine EZ & SlimLine SIS EZ** Single-use, end-fire fibers that are available in 200, 365 and 550 microns. Used for a variety of endoscopic procedures these fibers offer high performance without the hassle of reprocessing.

### FIBERS FOR OTHER SPECIALTIES

**SlimLine SIS Endo** Single-use, end-fire fibers that are available in 200, 365 and 550 microns. These fibers are ideally suited for orthopedic, neurology, spine surgery and pulmonary procedures.

### GI FIBERS

**SlimLine SIS GI** Single-use, 365 micron, end-fire fibers that are approved for ablation, vaporization, incision, excision, resection, coagulation and hemostasis in GI indications including biliary/bile duct calculi as well as benign and malignant neoplasm. The specialized fiber tip allow for easy passage through a cholangioscope.

### LASER DELIVERY SYSTEMS

**VersaTip™** The VersaTip probes are used with VersaLink™ handpiece and are available in 0°, 15°, 30° and 70° side-fire configurations. They can be interchanged during surgery for added convenience and provide the most cost effectiveness for arthroscopic, endoscopic ENT and general surgery applications.

**InfraTome™** Single-use delivery device which is available in 0°, 15°, 30° and 70° side-fire tips. The low-profile tip makes them ideal for accessing hard-to-reach areas during arthroscopic and endoscopic procedures.

**DiskeTome™** Single-use device which is designed for orthopedic endoscopic procedures. The length, rigidity and small diameter allow for shallow access or use in small joints.

End-Firing Fibers Specifications	SlimLine & SlimLine SIS				SlimLine EZ, SlimLine SIS EZ & SlimLine SIS Endo			SlimLine SIS GI
	200 $\mu$	365 $\mu$	550 $\mu$	1000 $\mu$	200 $\mu$	365 $\mu$	550 $\mu$	365 $\mu$
Jacket Color	Blue				Green			Black
Packaging	Each				3 pack			3 pack
Length	3 m				2.5 m			4.25 m
Usability	Reusable				Single-use			Single-use
Wavelengths	Holmium and Nd: YAG (2120 and 1064 nm)							
Scope Comp.	Flexible, semi-rigid and rigid endoscopes							
Core Diameter	272 $\mu$ m	365 $\mu$ m	550 $\mu$ m	940 $\mu$ m	272 $\mu$ m	365 $\mu$ m	550 $\mu$ m	365 $\mu$ m
Max. Outer Dia.	450 $\mu$ m (1.4F)	580 $\mu$ m (1.8F)	780 $\mu$ m (2.3F)	1450 $\mu$ m (4.5F)	450 $\mu$ m (1.4F)	580 $\mu$ m (1.8F)	780 $\mu$ m (2.3F)	580 $\mu$ m (1.8F)
Min. Working Channel	1.7 F	2.1 F	2.7 F	4.7 F	1.7 F	2.1 F	2.7 F	2.1 F
Max. Energy	1.5 J	4.0 J			1.5 J	4.0 J		2.0 J
Max. Power	45 W	100 W			45 W	100 W		20 W
Max. Rep. Rate	At any energy setting, repetition rate should be adjusted so as not to exceed maximum power listed above							

VersaTip Specifications	
Usability	Reusable (limited)
Tip Diameter	1.7mm (5.1 F)
Probe length	12.7 cm
Tip spot size	550 micron
Configurations	0°, 15°, 30°, 70°





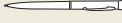
InfraTome Specifications	
Usability	Single-use
Tip Diameter	1.7mm (5.1 F)
Probe length	12.7 cm
Fiber length	3 m
Handpiece length	12.7 cm
Tip spot size	440 micron
Configurations	0°, 15°, 30°, 70°

DuoTome SideLite Side-Fire Fiber Specifications	
Maximum Output Energy, Power, Diameter	4.0 J, 100 W, 2.4 mm (7.2 F)
Scope Compatibility	Continuous flow cystoscope recommended
Working Channel Needed	Minimum of 2.5 mm (7.5 F)
Fiber Diameter/Tip	550 $\mu$ m / Angle polished tip in glass capillary for refractive side-fire energy delivery

DiskeTome Specifications	
Usability	Single-use
Tip Diameter	1.7mm (5.1 F)
Probe length	20.3 cm
Handpiece length	2 cm

## ORDERING INFORMATION

To order the following products please call 877-LUMENIS

Accessories	Part Number
Sterilization Tray 	0627-920-01
Ceramic Scissors 	5402-0152
Fiber Strippers 	200 $\mu$ - 5402-0164 365 $\mu$ - 5402-0163 500 $\mu$ - 5402-0151 1000 $\mu$ - 5402-0159
Inspection Scope 	0622-921-01
Cleaving Tool 	5402-0141

Fibers	Part Numbers			
	200 $\mu$	365 $\mu$	550 $\mu$	1000 $\mu$
SlimLine	0626-221-20	0624-148-36	0624-149-55	0627-497-01
SlimLine SIS	0644-017-01	0644-019-01	0644-021-01	0644-008-01
SlimLine EZ	0642-393-01	0642-394-01	0624-395-01	NA
SlimLine SIS EZ	0644-016-01	0644-018-01	0644-020-01	NA
SlimLine SIS Endo	0644-004-01	0644-005-01	0644-006-01	NA
SlimLine SIS GI	NA	0644-007-01	NA	NA
DuoTome SideLite	NA	NA	0623-703-01	NA

Laser Delivery Systems	Part Numbers			
	0°	15°	30°	70°
VersaTip (5 per box)	0622-651-00	0622-651-15	0622-651-30	0622-651-70
InfraTome (5 per box)	0624-084-00	0624-084-15	0624-084-30	0629-084-70
DiskeTome	0624-829-01			
VersaLink/Tip Sterilization Tray	0619-760-01			
VersaLink Handpiece	0624-175-01			

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