

Lumenis Holmium Laser Fiber Line

Performance, Reliability and Flexibility



Performance & Reliability

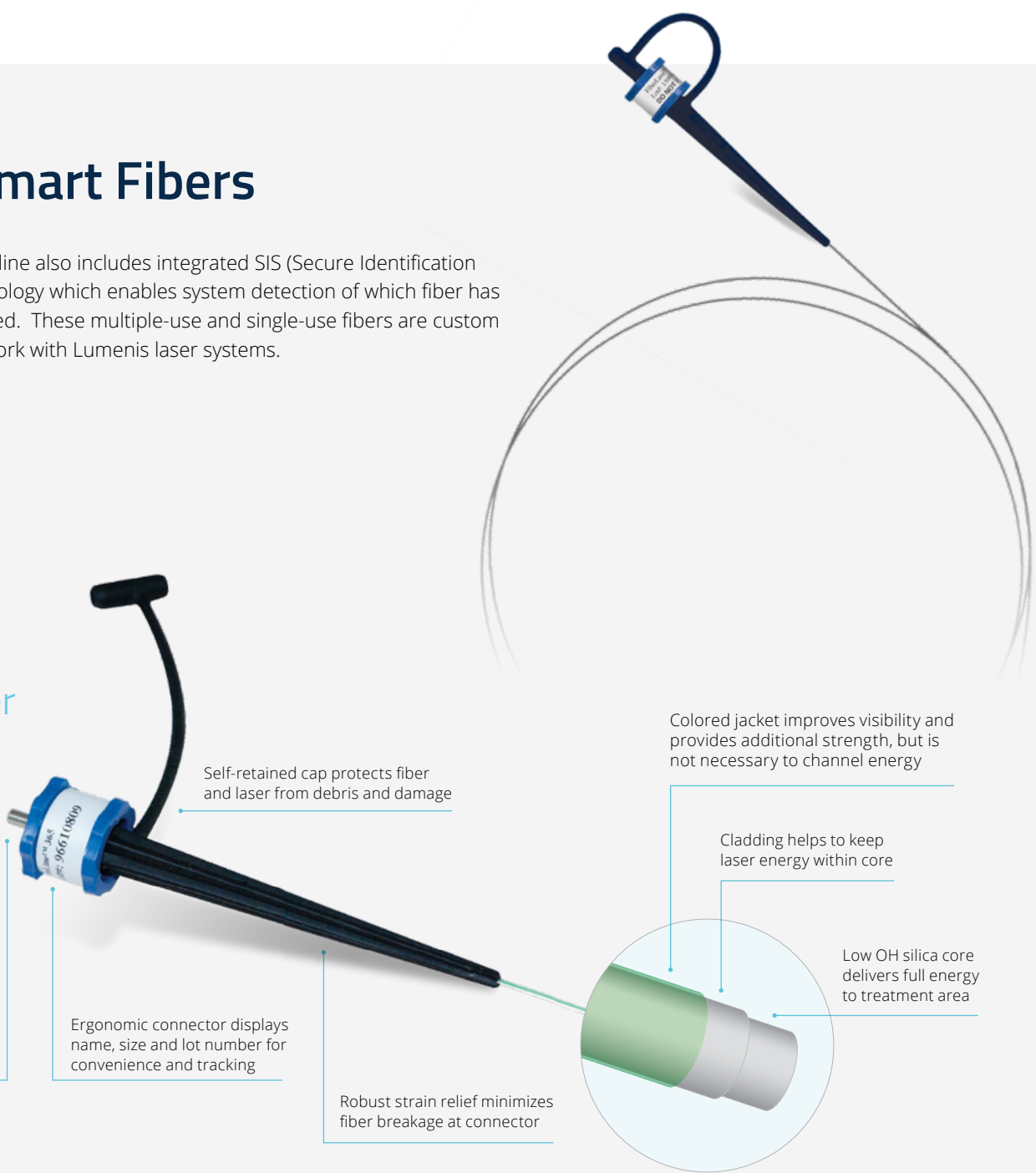
Lumenis fibers are specifically tailored and validated for optimal performance with the Lumenis family of lasers:

- Customized optical connection
- Exact match of the optical specifications such as spot size, focal point location and focus angle

Smart Fibers

Lumenis fiber line also includes integrated SIS (Secure Identification System) technology which enables system detection of which fiber has been connected. These multiple-use and single-use fibers are custom designed to work with Lumenis laser systems.

SIS Fiber



Integrated SIS technology detects which fiber is connected

Ergonomic connector displays name, size and lot number for convenience and tracking

Self-retained cap protects fiber and laser from debris and damage

Robust strain relief minimizes fiber breakage at connector

Colored jacket improves visibility and provides additional strength, but is not necessary to channel energy

Cladding helps to keep laser energy within core

Low OH silica core delivers full energy to treatment area



Variety of Delivery Solutions

MOSES™ family of fibers

Premium quality fibers, an integral part of the MOSES™ Technology.
Designed for optimal energy transmission and durability.

- Available in 200, 365 and 550 configurations
- Single-use, end firing fibers
- MOSES™ 200 D/F/L fiber with advanced ball-shaped tip is designed to facilitate initial fiber insertion and minimize potential scope damage, allowing to reach difficult-to-access stone locations
- Compatible with flexible, semi-rigid and rigid endoscopes



SlimLine™ family of fibers

Designed for durability, flexibility and versatility.

- Available in 200, 365, 550 and 1000 configurations
- Single-use or multiple-use, end firing fibers
- SlimLine™ 200 D/F/L fiber with advanced ball-shaped tip is designed to facilitate initial fiber insertion and minimize potential scope damage, allowing to reach difficult-to-access stone locations
- Compatible with flexible, semi-rigid and rigid endoscopes

Xpeeda™ fiber

A tailored solution for BPH vaporization.

- Available in 550 configuration
- Single-use, side-firing fiber
- Supports MOSES technology
- Delivers maximal energy directly to the tissue while working in full contact
- Compatible with rigid endoscopes

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, possibly affecting safety, clinical effectiveness, and overall laser system quality in the following ways:

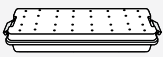
- Reduced energy transmission may result in delivering less energy to tissue than the laser screen indicates, resulting in reduced and unexpected tissue or lithotripsy effect
- Leaking energy may cause damage to the laser debris shield, delivery device, scope, or laser system leaking and may burn patient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

Fiber Specifications

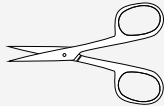
	MOSES 200 D/F/L	MOSES 365 D/F/L	MOSES 550 D/F/L	SlimLine 200 D/F/L	SlimLine EZ 200	SlimLine EZ 365	SlimLine EZ 550	SlimLine 200	SlimLine 365	SlimLine 550	SlimLine 1000	Xpveda D/S/L
Maximal input energy (J)	2	6	6	2	1.5	6	6	1.5	6	6	6	2
Maximal repetition rate (Hz)	120	120	120	80	40	80	80	40	80	80	80	80
Maximal input power (W)	60	120	120	60	45	120	120	45	120	120	120	120
Core diameter (µm)	230	365	550	230	272	365	550	272	365	550	940	550
Maximal outer diameter (µm)	390	580	780	390	450	580	780	450	580	780	1450	2500
Tip outer diameter (µm)	450 (With Ball Tip)	580	780	450 (With Ball Tip)	450	580	780	450	580	780	1450	2500
Minimal fiber bending radius at maximum power (mm)	6	14	20	6	12	14	20	12	14	20	34	NA
Single-Use (SU) or Multiple-Use (MU)	SU	SU	SU	SU	SU	SU	SU	MU	MU	MU	MU	SU

Accessories

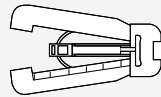
Sterilization Tray



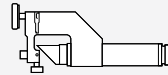
Scissors



Fiber Strippers



Inspection Scope



Cleaving Tool



Risk Information:

The use of the Lumenis Pulse™ and VersaPulse® PowerSuite™ laser systems and delivery devices in urology is contraindicated for patients who are unable to receive endoscopic treatments or are intolerant to prolonged anesthesia, as well as for resection or excision of large vascularized organs. Holmium lasers are intended solely for use by physicians trained in the use of the Ho:YAG (2.1 µm) wavelength.

Incorrect treatment settings can cause serious tissue damage. The laser should be used only on tissues that are fully observable. See the system's user manual for a complete list of contraindications and risks.

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* This label is relevant for all Holmium applicable laser systems, with their respective laser specifications.