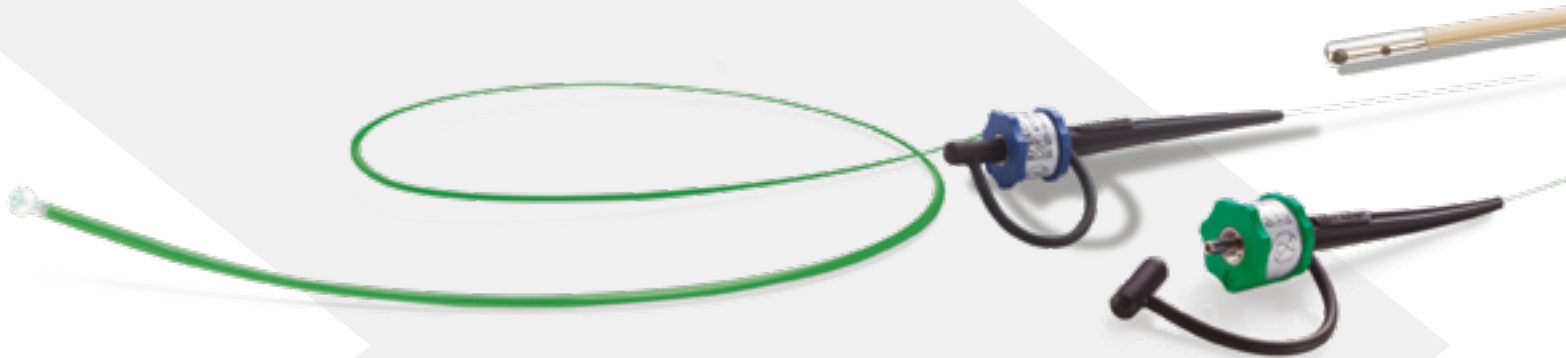


# Holmium Laser Fiber Line\*

Performance, reliability and flexibility



## Performance & reliability

Reusable and single-use fibers are specifically tailored and validated for optimal performance with the holmium family of lasers:

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

## Leave no stone behind

MOSES™ and SlimLine™ 200 D/F/L fibers are designed to minimise scope deflection loss, and enable users to reach difficult-to-access stone locations.

## Smooth fiber insertion

Advanced ball-shaped tip is designed to facilitate initial fiber insertion through a flexible scope, and minimise potential scope damage.

## Improved fiber durability

MOSES™ Technology, combined with MOSES™ fibers, results in significant less fiber burnback compared to standard fibers with standard mode in BPH procedure.<sup>1</sup>

## Focus on what matters

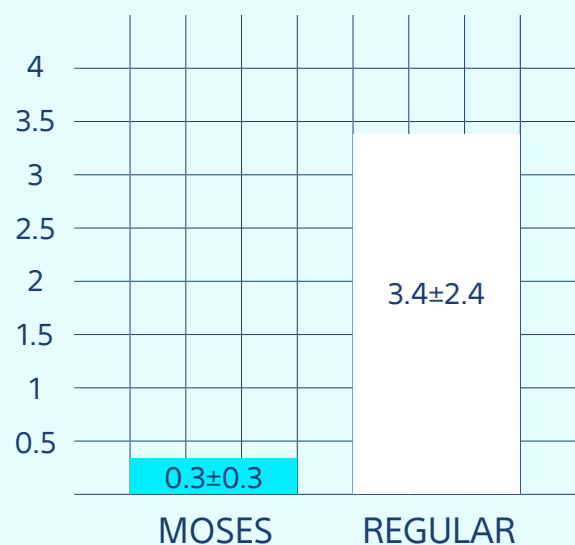
Less procedure interruption due to reduced fiber stripping contributing to minimising surgical team frustration.<sup>1</sup>

## Security Identification System (SIS) technology

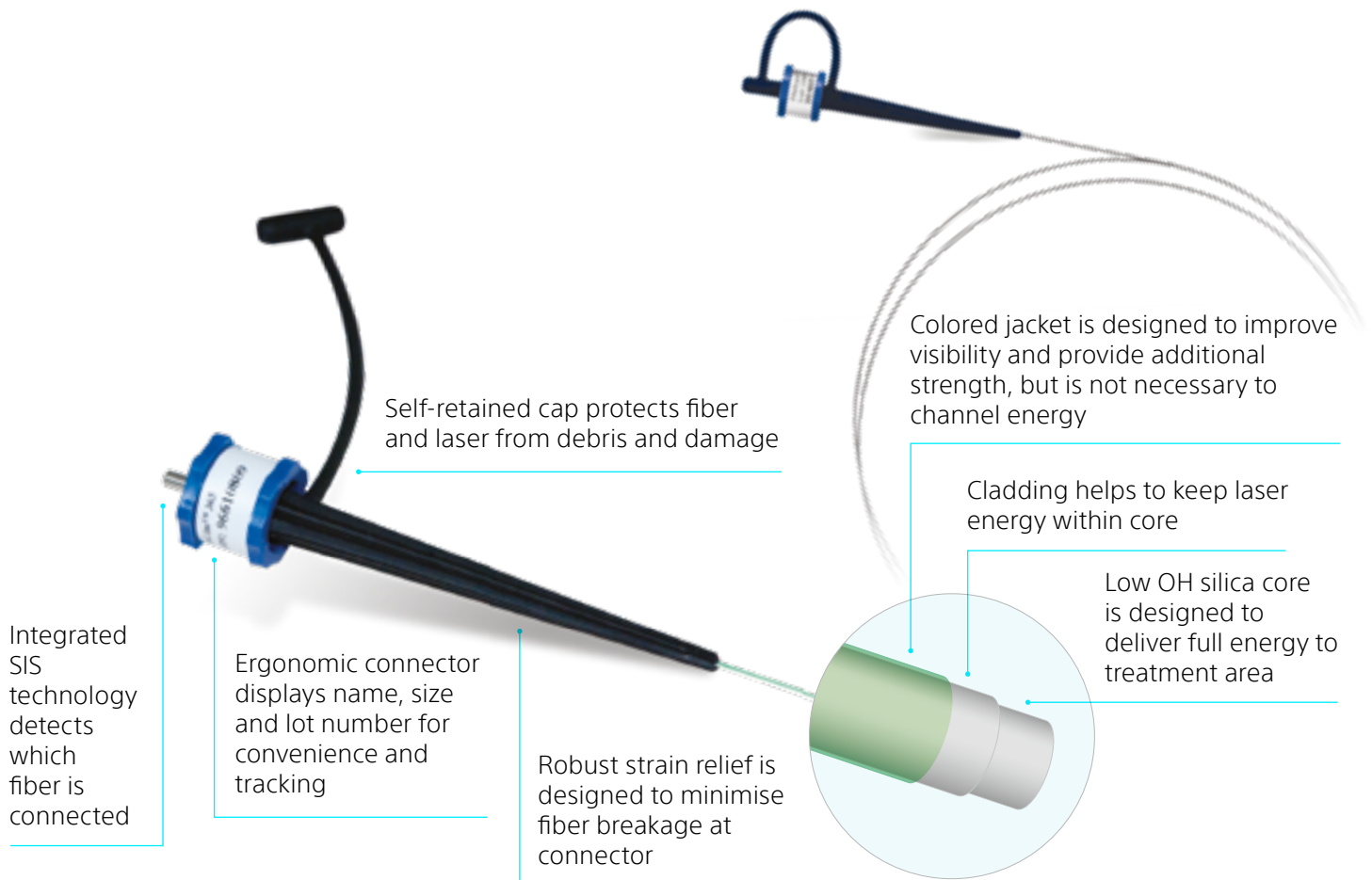
Reusable and single-use fiber line also includes integrated SIS technology that enables compatible system detection of which fiber has been connected.



## Fiber tip degradation (cm)



P value < 0.001  
BSC recreated graph<sup>1</sup>



## 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 minimise potential scope damage, to enable users 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 in urological procedures. 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 minimise potential scope damage, to enable users to reach difficult-to-access stone locations
- Compatible with flexible, semi-rigid and rigid endoscopes

### Xpeda™ fiber

A tailored solution for BPH vaporisation.

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

## Risks of using non-compatible holmium laser system fibers

The optical incompatibility of non-holmium laser system 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 fibers

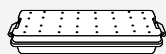
Note: Using any third-party laser fibers not listed as compatible with Lumenis Pulse™ Laser Systems and VersaPulse™ PowerSuite™ Laser Systems may void the customer's warranty.

## Fiber Specifications

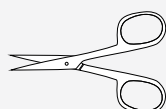
	MOSES™ 200 D/F/L	MOSES™ 365 D/F/L	MOSES™ 550 D/F/L	SlimLine™ 200 D/F/L	SlimLine SIS EZ™ 200	SlimLine SIS EZ™ 365	SlimLine SIS EZ™ 550	SlimLine SIS™ 200	SlimLine SIS™ 365	SlimLine SIS™ 550	SlimLine SIS™ 1000	Xpeeda™ D/S/L
Maximal input energy (J)	2	6	6	2	1.5	6	6	1.5	6	6	6	2
Maximal repetition rate (Hz)	120	80	80	80	80	80	80	80	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

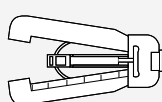
Sterilisation Tray



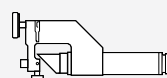
Scissors



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.

\*Holmium laser fiber line for use with Lumenis Pulse Laser Systems and VersaPulse PowerSuite Laser Systems.

**References**

1. Assmus MA, Lee MS, Sivaguru M, et al. Laser fiber degradation following holmium laser enucleation of the prostate utilizing Moses technology versus regular mode. *World J Urol.* 2022 Feb 15. Online ahead of print.

Data on file for design requirements.

Boston Scientific acquired the global surgical business of Lumenis Ltd.

Lumenis Pulse™ is the registered product name. All products are manufactured and sold by Boston Scientific. Lumenis is a registered trademark of Lumenis Be.

Rx only.

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