

# Fibres

SURGICAL LASER FIBRES



Superior laser fibres and fibre tools  
for successful procedures

COMPETENCE IN SURGICAL LASER SINCE 1989  
LASER TECHNOLOGY - MADE IN GERMANY  
WWW.LISALASER.DE



LISA laser products provides a wide range of SMA905 compatible laser fibres.

All fibres are manufactured of high quality silica/silica fibre material for optimized delivery of laser radiation to the surgical site. The fibre products are designed for use with compatible instruments like rigid and flexible endoscopes and surgical laser applicators. Particular prudence is exercised for ensuring beam confinement in fibres for use with flexible instruments.

Most fibres are available both reusable and disposable. The disposable products are shown below at left.



## Disposable laser fibres

- clinical applications are recommendations only
- restricted technical compatibility with endoscopes

	<b>LithoFib-SU</b> spherical tip bare fibre	<b>SureFib-SU</b> spherical tip bare fibre	<b>FlexiFib-SU</b> spherical tip bare fibre	<b>PercuFib-SU</b> bare fibre	<b>RigiFib-SU</b> bare fibre	<b>RigiFib-SU 800</b> bare fibre	<b>RigiFib-SU 1000</b> bare fibre	<b>SideFib-SU</b> side fibre deflection 70°	<b>ColFib-SU</b> gas cooled
Order no. of fibre	101 503 576	101 503 513 101 503 569	101 503 387	101 503 384	101 503 289	101 503 385	101 503 386	101 503 138	101 503 392
Optical Core / micron	200	272	272	365	550	800	940	550	545
Outer diameter/mm/Fr	0.50/1.5	0.42/1.3	0.42/1.3	0.73/2.2	0.75/2.3	1.2/3.6	1.4/4.2	2.0/6.0	1.8/5.4
Length / m	2.5	2.5 5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

<b>Laser compatibility</b>									
Sphinx litho	●	●	●	●	●	●	●	●	
Sphinx			●	●	●	●	●	●	
Sphinx jr.	●	●	●	●	●	●	●	●	
RevoLix		●	●	●	●	●	●	●	●
RevoLix jr.	●	●	●	●	●	●	●	●	●
RevoLix DUO			●	●	●	●	●	●	●

<b>Applications</b>									
Urology									
Soft tissue, rigid scope		●	●	●	●	●	●	●	
Soft tissue, flexible scope	●	●	●	○					
Prostate					●	●	●	●	
Lithiasis, rigid scope		○	○	●	○	○			
Lithiasis, flexible scope	●	●	●	○					

Spine Surgery		●	●	●	●				
Neurosurgery*		●	●	●	●				
ENT		●	●	●					●
Bronchoscopy		●	●	●	●				●
Gastroenterology		●	●	●	●				●
Gynaecology		●	●	●	●				●
General surgery		●	●	●	●	●	●		●

\* In the USA the products are not intended for use in clinical applications in neurosurgery.

\*\*Compatibility with your Sphinx jr. laser device is shown on its display

LISA laser products reusable laser fibres are autoclavable. The fibre connector is protected during cleaning and sterilization by a sturdy screw on cap. Comprehensive information on the fibre product is given on the attached fibre label - including barcode identification.

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## Reusable laser fibres for cost reduction and preservation of resources

	<b>SureFib</b>	<b>FlexiFib</b>	<b>PercuFib</b>	<b>RigiFib</b>	<b>RigiFib 800</b>	<b>RigiFib 1000</b>
	bare fibre	bare fibre	bare fibre	bare fibre	bare fibre	bare fibre
Order no. of fibre	101 503 364	101 503 189	101 503 128 101 503 118	101 503 213	101 503 287	101 503 284
Optical Core / micron	272	272	365	550	800	940
Outer diameter/mm/Fr	0.42/1.3	0.42/1.3	0.73/2.2	0.75/2.3	1.2/3.6	1.4/4.2
Length / m	3	3 5	3	3	3	3
<b>FibreStrip-S</b> Ø /mm	0.3	0.3	0.5	0.7	1.0	1.1
Order no. of stripper	101 503 274	101 503 274	101 503 275	101 503 277	101 503 280	101 503 382

### Laser compatibility

Sphinx litho	●	●	●	●	●	●
Sphinx		●	●	●	●	●
Sphinx jr.	●	●	●	●	●	●
RevoLix	●	●	●	●	●	●
RevoLix jr.	●	●	●	●	●	●
RevoLix DUO		●	●	●	●	●

### Applications

Urology						
Soft tissue, rigid scope	●	●	●	●	●	●
Soft tissue, flexible scope	●	●	○			
Prostate				●	●	●
Lithiasis, rigid scope	○	○	●			
Lithiasis, flexible scope	●	●	○			

Spine surgery	●	●	●	●		
Neurosurgery*	●	●	●			
ENT	●	●	●			
Bronchoscopy	●	●	●	●		
Gastroenterology	●	●	●	●		
Gynaecology	●	●	●	●		
General surgery	●	●	●	●	●	●

## Autoclavable fibre tools

Fibre strippers and cleaving tools for reconditioning of LISA reusable laser fibres are autoclavable. Permanent imprints ensure the correct stripper to fibre correlation.



### FibreStrip-S

fibre stripping tools in different diameters, reusable and autoclavable, see fibre chart for fibre compatibility and stripper order number



### FibreCut-CS

Fibre cleaving scissors with tungsten carbide blades, for all „bare fibres“, autoclavable

101 503 581



### FibreScope 200x

for fibre connector inspection, magnification 200 times, illumination (not shown)

101 503 417



### FibreScope 50x

for fibre connector inspection, magnification 50 times, w/o illumination

101 503 415



### SteriTray-F

#### outer dimensions

240 x 240 x 41 mm

reprocessing tray for all laser fibres with silicon holders

101 503 591

### SteriTray-H

340 x 240 x 70 mm

reprocessing tray for laser-handpiece SurgiLas

101 503 592



#### IMPORTANT NOTICE:

The information provided is a general overview of potential clinical applications of the described products. National health care regulations vary between countries and may exclude certain clinical applications at your location. The user assumes responsibility to be updated about national deviations from the applications listed above.

\* In the USA the products are not intended for use in clinical applications in neurosurgery.

U.S. federal law restricts these devices to sale by or on the order of a physician

Specifications are subject to change without notice.

Made in Germany 2017 - 11

Brochure Order no. 036 007 040



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**LISA LASER PRODUCTS**  
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