

## RevoLix DUO – Why dual mode?

RevoLix DUO is the first universal laser in urology, which covers consistently lithotripsy, endourological soft tissue surgery and open surgery. This versatility is achieved by combining a pulsed and a 2micron continuous wave (cw) laser in one box.

### 2micron cw laser for soft tissue:

For surgical applications the 2micron cw laser is used. This laser was invented by LISA laser products specifically for incision, vaporisation and excision of soft tissue. The efficient vaporisation and cutting is striking. Vessels up to app. 1.5 mm diameter are closed while the damage zone is less than 1 mm. The necrotic zone of resected prostate tissue is less than 0.2 mm as shown in histologies.

Laser VapoResection of prostate (VRP) with the RevoLix laser is highly efficient, safe and economic for the treatment of BPH.

Contrary to other lasers the RevoLix vaporesction procedure is performed with reusable front firing bare fibres. Tissue samples are available for subsequent histological examination.

### Holmium pulse laser for lithotripsy:

Lithotripsy in the lower, medial and upper tract with rigid and flexible instruments is accomplished with the integrated Holmium laser. Laser pulses of maximal 7,000 watt peak power fragment any urinary stone irrespective of the chemical composition. Highly flexible laser fibres are most suitable for ureterorenoscopy of the lower calixes by flexible instruments.

Both laser units of the RevoLix DUO are available from the same fibre port. This feature allows using the same fibre for the vaporisation of tissue and the fragmentation of stones. There is no need to change the fibre or the instrument when changing between soft tissue and stone mode.

## Technical Specifications *RevoLix*® DUO

<b>Tissue laser system</b>	continuous wave DPSS laser
<b>Wavelength</b>	2.0 micron
<b>Power at tissue</b>	adjustable 5 - 70 W
<b>Emission mode</b>	continuous wave, chopped 50 ms - 1000 ms
<b>Stone laser system</b>	pulsed Holmium-YAG laser
<b>Wavelength</b>	2.1 micron
<b>Power at tissue</b>	max. 20 W
<b>Pulse energy</b>	0.5 - 2.6 J
<b>Repetition rate</b>	5 - 15 Hz
<b>Pulse peak power</b>	6 kW
<b>Beam delivery</b>	wide range of flexible silica fibres same fibre port for both lasers
<b>Aiming beam</b>	635 nm, bright red, 1 mW, adjustable
<b>Utilities</b>	230 VAC, 1~, 50/60 Hz, 3.6 kVA, 500 µA leakage current
<b>Cooling</b>	integrated
<b>Weight</b>	165 kg
<b>Dimensions</b>	H 950 x W 420 x L 890 mm (height w/o display)



Safety Standards: IEC 60601  
CE approval pending

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

Specifications are subject to change without notice.  
Made in Germany 2008-09 V04

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# RevoLiX<sup>®</sup> DUO

The Revolution continues



*new 2micron dual mode laser  
for soft tissue surgery and lithotripsy in Urology, ENT,  
Laparoscopy, Bronchoscopy, Gastroenterology, General Surgery*

RevoLiX DUO



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