



Diode Laser

DIOLAS Newton

Company Profile

Limmer Laser is a German owner-managed company, specializing in the design, manufacture and sale of medical lasers and accessories. Our laser devices cover all major disciplines of human, dental and veterinary medicine.

The product range includes CO₂ Lasers, Diode Lasers and Specialty Lasers. Our philosophy is to create multipurpose, integrated and highly functional work stations. A strong emphasis on continuous research and development gives access to the latest technology.

We have a strong emphasis on research and development, production, service and training. Working in conjunction with hospitals and physicians is just as important as good communication. Product quality is our No. 1 priority: Our company is certified to the stringent European Quality Standard EN ISO 13485.

Limmer Laser GmbH

Schwarzschildstr. 1 • D-12489 Berlin • Germany
Tel. +49 (0)30 - 6392 5570 • Fax +49 (0)30 - 6392 5580
info@limmerlaser.de • www.limmerlaser.de



Technical specifications

Laser type	Diode laser with one or two wavelengths (Laser class 4)	Pilot beam	Red or green, adj. brightness (<5 mW)
Operating modes	Continuous Wave (CW), pulsed mode, LFD Mode, Scanning Mode	Assistance	Treatment assistants with parameter sets for medical applications
Activation profiles	Continuous, single pulse (0.1 ms - 10 s), pulse repetition (0.1 ms - 10 s)	Cooling	Low noise air cooling
Beam delivery	Flexible fibers and handpieces	Connectivity	USB port for treatment protocols & software updates, scanner system, TouchLink wireless remote control of smoke evacuator VACULAS, FlexSwitch, electrical supply 110 - 120 V / 230 - 240 V
Control panel	Large 9.7" True Color Touch Panel with audio output	Size & weight	34 x 30 x 22 cm (W x D x H), max. 9.5 kg

High performance in a small format



Technical changes reserved



Made in Germany

DIOLAS Newton

The smart choice for professional users

DIOLAS Newton One	DIOLAS Newton Pro	DIOLAS Newton Duo			
Entry-level model with 15 W	30 / 50 / 100 W output power	30 / 50 / 100 W dual wavelength			
810 nm, 980 nm, 1064 nm or 1470 nm	810 nm, 980 nm, 1064 nm or 1470 nm	<table border="0"> <tr> <td>980 nm</td> <td rowspan="2">Combines all applications in one device</td> </tr> <tr> <td>1470 nm</td> </tr> </table>	980 nm	Combines all applications in one device	1470 nm
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Designed and manufactured in Germany

- Applicable via flexible light guides and handpieces
- Quick change of power and wavelength
- Wide range of specialised accessories available
- Low operating costs, highest optical precision
- Product of the highest quality with a very long life

One system for many uses

Phlebology & Dermatology

Varicose veins, haemangioma, spider naevi, telangiectasia, condylomata, etc.

ENT

Tonsils, LAUP, epistaxis, septum deviation, nasal concha hyperplasia, polyps, etc.

Gynecology

Laparoscopic interventions, endometriosis, placenta coagulation

Dentistry

Implantology, parodontology, endodontology

Proctology

Haemorrhoids, anal fistula, pilonidal cysts, condylomata

Urology

Tumors in kidney, bladder or ureter, enucleation of the prostate, incisions, condylomata

Spinal surgery

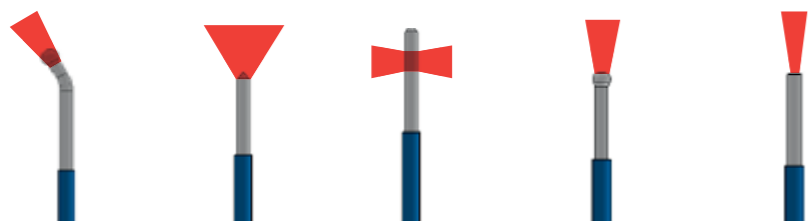
Spinal tumors, Laser-assisted disk decompression (PLDD)

Lung surgery

Tumor resection, bronchoscopy

Specialized fibers and handpieces

- EndoRadial Fiber (for 360° emission)
- EndoCone Fiber (for haemorrhoids)
- Bare Fiber with various diameters
- Harpoon Fiber for tangential incisions and ablation
- Focussing handpieces
- Zoom handpieces for large areas



Wireless remote control of smoke evacuator VACULAS



High power in small format

- Easy operation via large 9.7 inch touch panel
- Up to 100 W power as a compact and quiet tabletop unit
- Storage for individual parameters
- Integrated treatment assistants