



diomax[®]

The “all-rounder” diode laser
for advanced laser surgery

With the diomax® diode laser, KLS Martin offers you a system with a wide range of applications, from outpatient practices to endoscopic high-tech operating rooms. The diomax® is very easy to use and puts you in control of a laser beam with physical properties that satisfy the highest demands. This makes it a true all-rounder for state-of-the-art surgery.



The New Diode Laser **diomax®** Impressive in Quality and Flexibility

The greatest assets of the diomax® are its well-thought-out design concept and its intuitive handling. The unit offers memory space for up to 50 user-defined programs. All parameters can be easily set by means of a single rotary switch and all settings are clearly displayed on the large color screen. No cluttering, no cumbersome sub-menu structures – you have everything under control at a glance.

Laser beam quality marks another field where the diomax® sets new standards. With its numerical aperture of 0.22 – the “quality characteristic” for laser radiation – the diomax® offers a beam quality previously available only with solid-state lasers.

In a nutshell Easy to use, first-rate beam quality. This enables the surgeon to concentrate fully on the surgical job – right from first use of the unit!

diomax® – Great Versatility Matching a Wide Range of Indications

What makes the diomax® diode laser so versatile is its wavelength of 980 nm, which allows it to be used in almost any surgical field.

ENT

- Oral tumors
- Leukoplakia
- Polypectomy
- Conchotomy

Dermatology

Plastic and aesthetic surgery

- Hemangiomas
- Telangiectasia
- Tumors
- Condylomas/warts
- Leukoplakia

Phlebology

Vascular surgery

- Endovenous laser occlusion (EVLO) of varices (VSM, VSP, perforating veins)
- Hemangiomas
- Telangiectasia

OMF

- Hemangiomas
- Oral tumors
- Leukoplakia
- TMJ arthroscopy

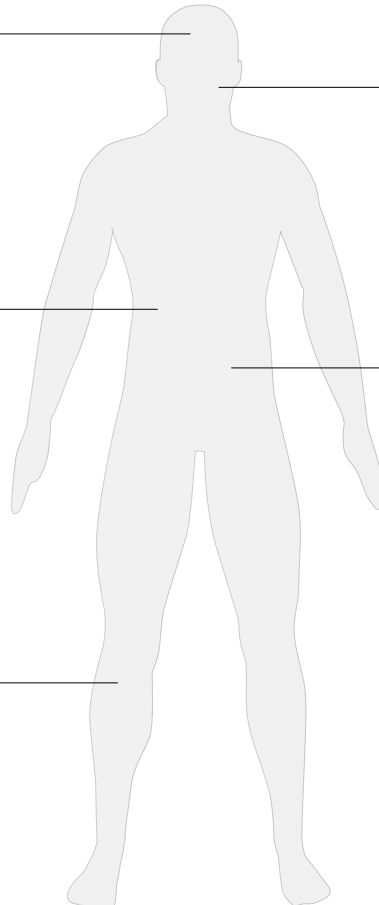
Open surgery

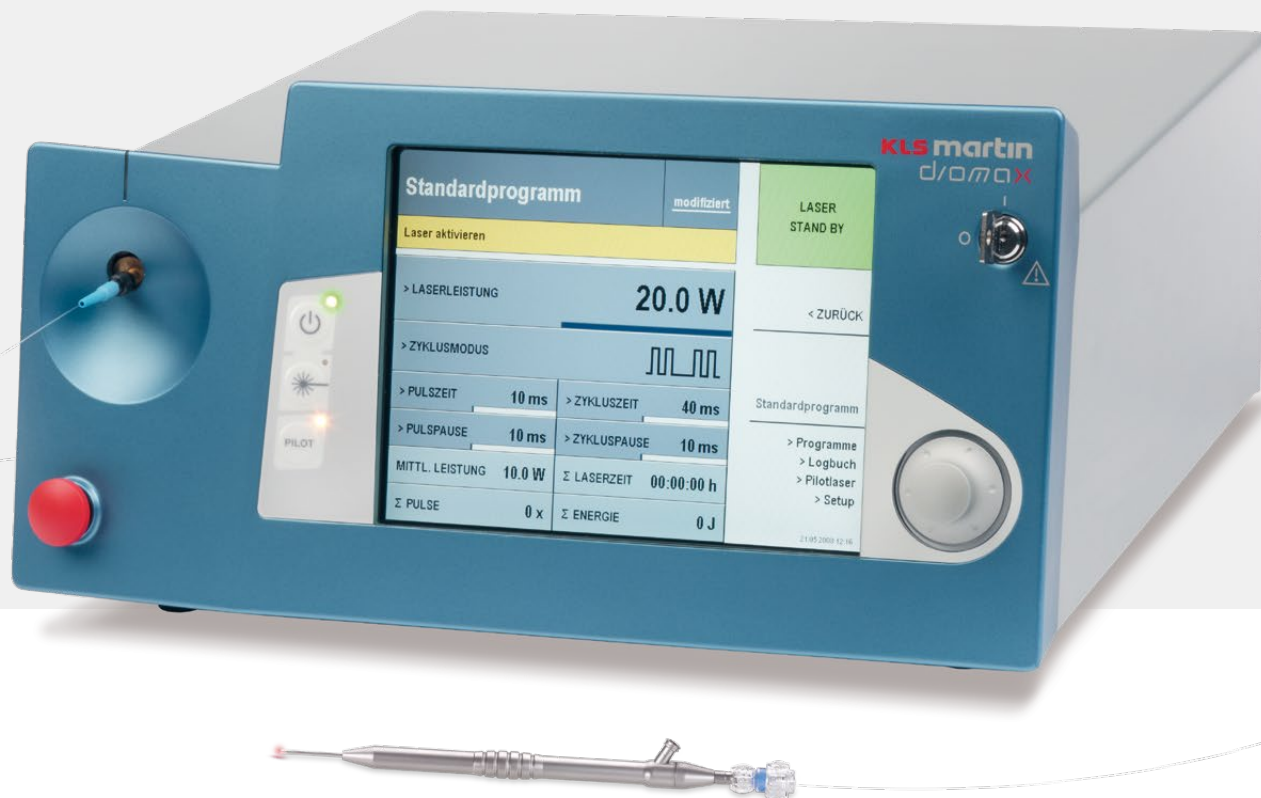
Endoscopy

Laparoscopy

Gynaecology

- Tumors
- Stenoses
- Adhesions
- Hemorrhages
- Hemorrhoids





Excellent absorption

The hallmark of the 980-nm wavelength is its excellent absorption in hemoglobin and water.

Short pulse time

Another prominent feature of the diomax® that sets it apart from any other diode laser is its extremely short pulse time of 5 ms. This keeps patient strain very low.

Wide application range

Whatever your surgical specialization – the diomax® meets any challenge. Thanks to its comprehensive range of accessories, it can be used for open as well as endoscopic or endoluminal applications, in contact or non-contact mode.

The Laser, the Handpiece and the Catheter Sets

The Advantages at a Glance

- 980-nm wavelength for high absorption in hemoglobin and water
- Easy, straightforward handling
- Large color display for perfect parameter overview even in darkened ORs
- Top-notch beam quality for precise cutting
- 50 memory locations for standardized treatment programs
- Comprehensive range of application accessories for open as well as endoscopic or endoluminal surgery and endoluminal interventions

Ordering Data

Diode laser diomax® 980 nm, 20 W, incl. foot switch 79-520-00-04

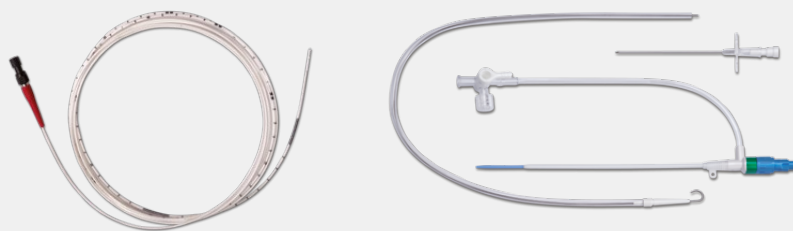
Technical Data

Laser power	0.1–20 W
Laser wavelength	980 nm
Operating modes	continuous (CW) and pulsed
Pulse modes	Single pulses, pulse trains and cyclical pulse
Operation	Soft keys plus rotary pushbutton (double-function switch)
Display/indicator	TFT color display, luminous ring
Programs	50 memory locations
Memory	Activation and error registers (logs)
Laser class	4



VENEX Catheter Sets

Catheter set for EVLO operations (endo-luminal treatment of varicose veins) – includes a puncture needle, a guide wire, an extremely thin, ultra-sonically visible venous catheter and a thin laser fiber



VENEX 360° (set is delivered in pack. of 5 ea.)

79-350-00-04

Fiber holder FlexPen 2.0

Modular system comprising handpiece, Tuohy-Borst adapter and attachment tips for all operations in which the laser fiber is applied to the surface of the body or body cavities in the contact process.

For further information please refer to our separate product brochure.



Flexible Quartz Fibers, Bare Fibers

Extremely thin and powerful, flexible fibers for highly efficient bare fibers offering excellent beam characteristics

Core diameter 400 µm, fiber length 3 m, 5 pcs/pack	79-700-40-04
Core diameter 600 µm, fiber length 3 m, 5 pcs/pack	79-700-60-04
Fiber preparation set, autoclavable	79-111-00-04



Laser Protective Goggles

Extremely thin and powerful, flexible fibers
Effective eye protection with high wearing comfort

Laser protective goggles	79-100-56-04
cover the following wavelengths:	
• 800-<840 DIRM LB4 (OD4+)	• >1400-2000 DR LB3 + I LB4 (OD4+)
• 840-<880 DIRM LB5 (OD5+)	• >2000-3600 D LB3 + I LB4 (OD4+)
• 880-<960 DIRM LB6 (OD6+)	• >3600-4800 DI LB3 (OD3+)
• 960-<1064 D LB6 + I RM LB7 (OD7+)	• >4800-11500 DI LB4 (OD4+)
• 1064-1400 D LB6 + I RM LB8 (OD8+)	• 640-700 0,01W 2x10E-6J RB1 (OD1-2)
	• LV CE F

KLS Martin Group

KLS Martin Australia Pty Ltd.

Sydney · Australia
Tel. +61 2 9439 5316
australia@klsmartin.com

KLS Martin do Brasil Ltda.

São Paulo · Brazil
Tel. +55 11 3554 2299
brazil@klsmartin.com

**KLS Martin Medical (Shanghai)
International Trading Co., Ltd.**

Shanghai · China
Tel. +86 21 5820 6251
china@klsmartin.com

KLS Martin India Pvt Ltd.

Chennai · India
Tel. +91 44 66 442 300
india@klsmartin.com

Martin Italia S.r.l.

Milan · Italy
Tel. +39 039 605 67 31
italia@klsmartin.com

Nippon Martin K.K.

Tokyo · Japan
Tel. +81 3 3814 1431
nippon@klsmartin.com

KLS Martin SE Asia Sdn. Bhd.

Penang · Malaysia
Tel. +604 505 7838
malaysia@klsmartin.com

Martin Nederland/Marned B.V.

Huizen · The Netherlands
Tel. +31 35 523 45 38
nederland@klsmartin.com

Gebrüder Martin GmbH & Co. KG

Moscow · Russia
Tel. +7 499 792-76-19
russia@klsmartin.com

Gebrüder Martin GmbH & Co. KG

Dubai · United Arab Emirates
Tel. +971 4 454 16 55
middleeast@klsmartin.com

KLS Martin UK Ltd.

London · United Kingdom
Tel. +44 1189 000 570
uk@klsmartin.com

KLS Martin LP

Jacksonville · Florida, USA
Tel. +1 904 641 77 46
usa@klsmartin.com

Gebrüder Martin GmbH & Co. KG**A company of the KLS Martin Group**

KLS Martin Platz 1 · 78532 Tuttlingen · Germany
P.O. Box 60 · 78501 Tuttlingen · Germany
Tel. +49 7461 706-0 · Fax +49 7461 706-193
info@klsmartin.com · www.klsmartin.com

