



Biowavelight
GmbH

State of the art laser-dentistry
made in Germany

Product Advantages

- Lightweight, compact diode laser, designed for mobile use and quick setup
- Ergonomic and economic fiber solution through permanent transmission light guide and disposable fiber tips
- Fast and easy fiber tip exchange by a revolutionary snap-in connection
- Reduced power settings compared to conventional diode lasers due to specially developed optical coupling systems and an excellent beam quality
- Adjustment of the selected power via the wireless footswitch (optional)
- Timer for controlled treatment durations, e.g. for tooth whitening (bleaching)
- Direct access for adjustment of the brightness of the pilot beam during operation
- Integrated fiber spooling adjusts the length of the permanent light guide for a customized work environment
- Long life battery pack provides maximum availability by fast charging and charging during application
- Unique wireless foot pedal includes Standby/Ready and laser power controls

Intelligent Operations

- Intuitive navigation via touch controls
- Full access to all treatment parameters from the operation display
- Timer for controlled treatment duration
- Adjustment of the brightness of the pilot beam during operation
- Pre-programmed settings for the most commonly performed procedures
- Favorites for quick access of preferred treatment settings
- Log of treatment settings and treatment summary allows for post case analysis



Dornier fiber tips – Safe and convenient

- Reliable and fast connection (snap in)
- Available in 300um and 240um (for Endo)
- Distal fiber length adjustable
- No need for stripping and cleaving fibers
- No need for distal calibration prior to application
- No need for re-sterilization of fibers
- No risk of not effectively re-sterilized fibers

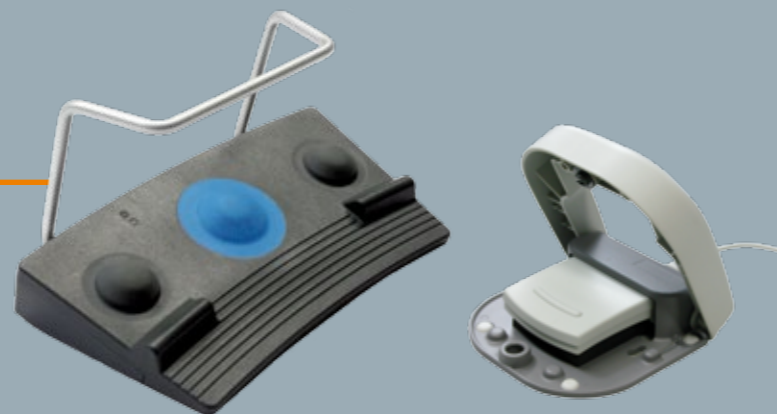
Sapphire tip – Difference you can see and feel

- Fast and precise cutting with the tactile feedback of a scalpel
- No sticking to tissue
- No bending or moving fiber
- No melting fiber coating
- Better tissue interaction compared to bare fibers
- Less carbonization
- Finer cut
- Reusable and autoclaveable



Medilas Opal

Dornier MedTech's long experience in developing diode lasers for surgical applications has resulted in the development of a new state of the art dental diode laser Dornier Medilas D Opal.



Individualization & Software Updates

The Dornier Medilas Opal gives you the most flexible access to change the company settings of the treatment parameters during operation and in the pre-programmed indications.

By this, the perfect adjustment of the device to the user is granted.



Indications

Surgery

- Abscess
- Biopsy
- Epulis
- Fibroma
- Fistula
- Uncovery of hidden teeth
- Frenectomy
- Frenotomy
- Gingivectomy
- Gingivoplasty
- Hemostasis
- Implant uncovery
- Incisions/Excisions
- Incisions and draining of abscesses
- Crown lengthening
- Laser assisted flap surgery
- Leukoplakia
- Operculectomy

- Papillectomy
- Sulcular debridement
- Vestibuloplasty
- Excisions of lesions and hyperplasias

Periodontology

- Pocket disinfection
- Periimplantitis
- Sulcular debridement

Endodontics

- Root Canal disinfection
- Gangrene disinfection
- Pulpotomy

Miscellaneuous

- Aphthous ulcers
- Desensitization
- Herpes
- Teeth Whitening

Technical data

Laser Power	up to 10 Watts
Wavelength	980nm
Modes	cw, pulsed, peak
Weight	1,4kg
Dimensions	W 142 x D 202 x H 72 mm
Power Supply	100-240 VAC, 50-60 Hz
Fiber Tip	Core = 300 µm, OD = 355 µm, L=85mm, adjustable
Sapphire Tip	reusable, tested by accredited test house

Economy



5W/8W Output Power (cw/peak)

Power supply integrated

1x Wired Foot Switch

1 x Permanent Light Guide

1 x Sleeve Fiber Tip

5 x Fiber Tips

3 x Safety Goggles

1 x Transportation Case

Standard



8W/10W Output Power (cw/peak)

Power supply external charger

Battery Pack integrated

1x Wired Foot Switch

1 x Permanent Light Guide

1 x Sleeve Fiber Tip

5 x Fiber Tips

1 x Sleeve Sapphire Tip

2 x Sapphire Tips

3 x Safety Goggles

1 x Transportation Case

Wireless



8W/10W Output Power (cw/peak)

Power supply external charger

Battery Pack integrated

1 x Wireless Foot Switch

1 x Permanent Light Guide

1 x Sleeve Fiber Tip

5 x Fiber Tips

1 x Sleeve Sapphire Tip

2 x Sapphire Tips

3 x Safety Goggles

1 x Transportation Case



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