

elexxion **nano**

# Ready for the future and keeping patients satisfied **elexxion nano – for individualists**

The practical compact-class diode laser



Diode	15 Watt Max. application power	20.000 pulse rate	808 nm Diode
-------	---	----------------------	-----------------

**DPL**  
TECHNOLOGY INSIDE

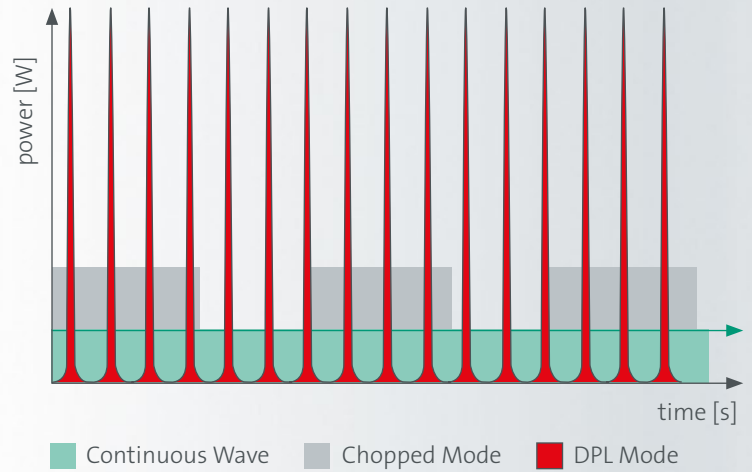
Image subject to model

**elexxion**  
dental laser

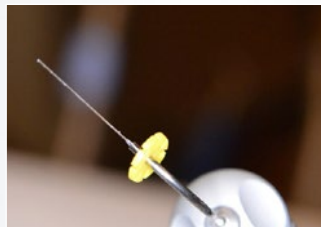
**DPL\* makes the elnexion laser unique**

- Highest pulse power variability: in pulse energy, pulse width and pulse duration
- Highest efficiency
- No bleeding
- Little to no pain
- Fast, clearly laid-out work
- Absolute safety with the applications
- Control of energy
- No carbonisation

\* DP = digital pulsed, diode pumped, duration power



**Decontamination of root canals and dentin tubules**



**Pocket bacterial reduction**



During surgery



Immediately after surgery

**Removal of the fibroma:**



Initial situation



After surgery



8 days after surgery



## Laser and patient: **a success story**

Many dedicated dentists have recognised the signs of the times and are using our high-quality laser technology made in Germany. Patients appreciate it.

Because, compared with conventional therapy, laser treatment is faster, causes less pain, is more effective, and there is no bleeding.

# Developed in collaboration with dentists: **the elexxion nano**

## The right wavelength:

The 808 nm wavelength has been proven in hundreds of clinical studies, making it the most rigorously scientifically tested wavelength in the dental field. Thanks to the established scientific basis, numerous verified applications are available. A selection of scientific articles and studies is available to download at: [www.elexxion.com/download-en](http://www.elexxion.com/download-en)

## High power output enables fast work

The pulse output of 15 watts delivers effective results in individual surgical applications and, at the same time, ensures accelerated healing with little pain. The combination of a high power output and extremely short pulses enables tremendous cutting speed and precision..

## For pre-programmed or individual work

The principal applications are already stored in the equipment software as pre-set programs. In addition, 38 individual programs can be created and saved in the software. The pre-programmed indications for **endodontics, periodontics and surgery** reduce the amount of time spent on treatment and improve prognoses.

## Photodynamic therapy with **perio green®** Please delegate

**perio green®** is the next generation of therapy for periodontitis and peri-implantitis. It is extremely light-sensitive and attaches to plasma proteins only. This medical product becomes effective only after activation with an 808 nm laser. The localised, pain-free increase in temperature kills the stained bacteria. (Additional information: [www.periogreen.com](http://www.periogreen.com))

## Ergoflex plus handpiece with 360° rotation

The ergonomically shaped handpiece is sterilisable and enables safe, controlled operation. Ergoflex plus means a single handpiece for all applications, with application fibres of four different strengths and individually adjustable lengths. With its sterilisable and re-usable fibres, the complete application system corresponds to current **RKI guidelines**.

## odobleach: for a gleaming white smile

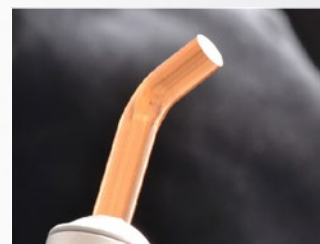
Bleaching is a service that more and more patients are requesting – and, as a private service, one for which they pay extra, too. With the **elexxion nano** bleaching becomes laser power bleaching. This means: rapid, permanent success and happy patients.

## Plus: more than 25 biomodulation indications

In addition, the **elexxion nano** offers more than 25 scientifically verified indications for biomodulation, such as:

- Aphthae
- Post-extraction pain
- Herpes labialis
- Temporomandibular joint disorders
- Suppress gag reflex, and many more

The biomodulation function expands the range of potential applications and creates additional opportunities to increase revenues because this function can also be used by practice staff.



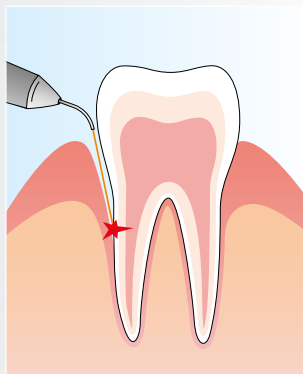
As an option, elexxion offers the **DP handpiece\*** and the new book "Atlas of Laser Therapy" of the Professors Alberico and Stefano Benedicenti.  
\* DP= duration power



Initial situation

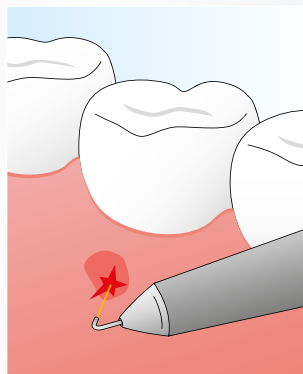


Status after 9 days and 3 treatments



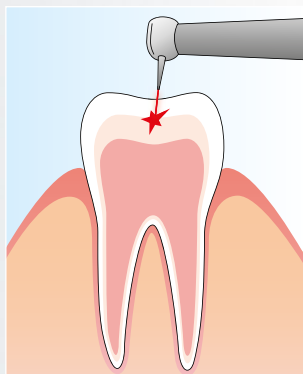
### Periodontology

Pocket bacterial reduction, Removal of granulation tissue



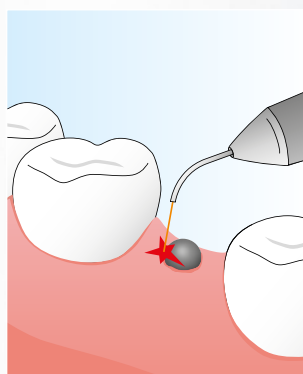
### Surgery

Frenectomy, Gingivectomy, Gingivoplasty, Haemostasis, Abscess, Incision/excisions, Operculectomy, Enlargement of the sulcus



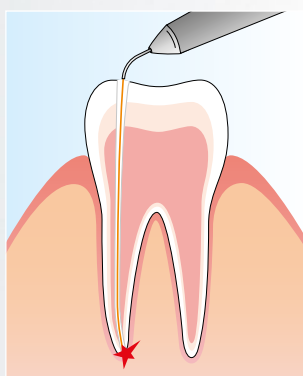
### Therapy laser

Pain (general), Aphthae, Herpes, Wound treatment, Root irritation suppression, Temporomandibular joint disorders



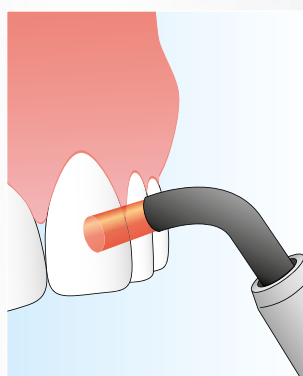
### Implantology

Implant exposure, Decontamination, Peri-implantitis



### Endodontics

Canal bacterial reduction, Tubuli bacterial reduction, Gangrene treatment



### Laser bleaching

Flash activation of O<sub>2</sub> radicals, Optimised treatment time, Gentle on the teeth, Better results

## Credits: with laser knowledge

We also offer the legally-mandated training for laser safety officer online as an eLearning tool in German. In addition, we offer various application training classes to build your laser knowledge.



[www.elexxion.com/calender-of-events](http://www.elexxion.com/calender-of-events)

We begin training with a user report from an experienced laser specialist dealing with indications, clinical benefits, and efficient integration of laser therapy into the private practice workflow. The training continues with live surgery and follow-up hands-on training under the direction of an experienced specialist. The seminar provides continuing education credits.

### Technical data:

Class 4 dental laser

Wavelength: 808 nm +/-10 nm

Max. application power: 15W at peak

Pulse rate: CW to max. 20.000 Hz

Pulse duration: 16 µs / CW

Target beam: red (650 nm +/- 5 nm < 1mW)

Dimensions: H 22 cm, W 18,5 cm, D 21 cm

Weight: 3,7 kg



CE0086