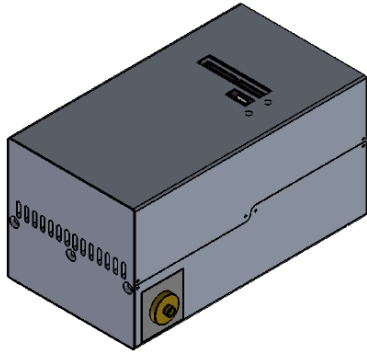


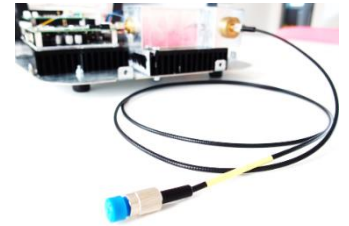
MEDYAG

Nd:YAG pulsed DPSSL Dental Laser



HIGHLIGHTS

- Replacement of flashlamp pumped laser
- Small footprint desktop system
- Air cooled technology
- Reduced thermal damage and pain
- Faster treatment
- Innovative E-PEAK™ Technology



TECHNICAL SPECIFICATIONS

Optical parameters

Active medium	Nd:YAG
Working mode	nano-second pulsed (*)
Wavelength	1064 nm
Average output power	1.5 W
Repetition rate	20 kHz
Pulse width	3 ns
Pulse energy	75 μJ
Peak power	25 kW
Aiming beam wavelength	640 nm
Aiming beam max power	1 mW
Beam delivery	Optical fiber Ø200μm NA0.22 or larger SMA or FC connectors available

Absolute Ratings

Operating Current	9A
Operating Voltage	2V
Aiming beam operating current	30mA
Aiming beam operating voltage	3V
Storage temperature	+5 to +50 °C
Operating case temperature	+15 to +35 °C
Relative humidity	30 to 75 % not condensing
Internal fiber bend radius	25 mm

Operational Mode

Continuous NS or Pulsed NS (*)

Complies with

EMC:

EN 60601-1-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013

Electrical Safety:

EN 60601-1:2006 included A1:2013 and AC:2014
EN 60601-2-22:2013
Laser Safety: EN 60825-1:2014



Class 4 Laser product

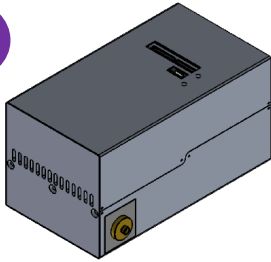
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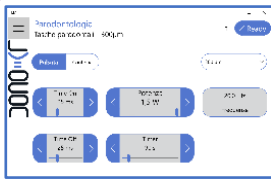
1



2



3



Standard Supply 1

- DPSSL Laser Source (*)
- Current driver (*)
- Temperature controller (*)

Optional

- Display 7" touchscreen 2
- Customizable Software 3
- Power Supply
- Cover and accessories
- Handpieces

(*) packed in an all-in-one box, available in two different shapes and sizes (A, B).

Fiber not included.

Medical Applications and Benefits

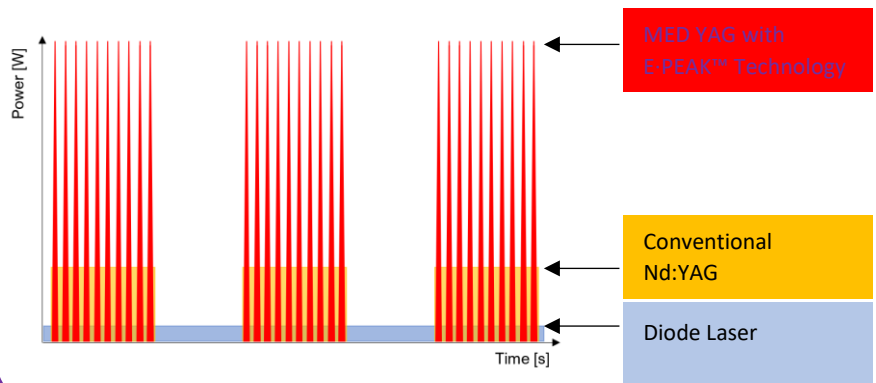
Thanks to the peculiar high peak power / high energy short pulses, delivered at the advantageous well-known 1064nm wavelength, the laser beam overcomes the application threshold with a **reduced thermal waste**.

The **E-PEAK™ Technology** is thus suitable for **deep contamination without thermal increase** or structural modifications, **reduced pain** and faster treatment.

🦷 **Periodontics**, 🦷 **Surgery**, 🦷 **Endodontics**, 🦷 **Bleaching**, especially advantageous for treatment of 🦷 **Periimplantitis**.

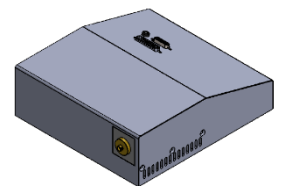
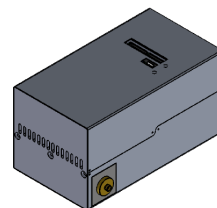
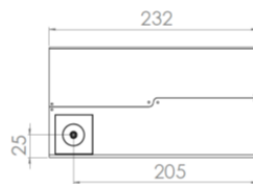
E-PEAK™ Technology

High ENERGY x PEAK POWER Quality Factor



Mechanical drawings

A



B

