

## DENTAL CO<sub>2</sub> LASER SYSTEM

# CYMA *Dental*

### High technical CO<sub>2</sub> dental laser

- 15 Indication modes
- Storage of personalized laser treatment data
- SuperPulse-, Pulse- and CW operating modes
- Cutting edge innovative
- Safe, Effective and Reliable
- Patient Satisfaction
- High Power Output





## INDICATIONS

- Laser anesthesia
- Lingual frenectomy
- Fluoride application & tooth bleaching
- Cervical hypersensitivity
- Occlusal hypersensitivity
- Removal of tooth pigmentation
- Tooth canal irrigation
- Periodontal pocket irrigation
- Crown lengthening procedure
- Treatment of tooth abscess
- Gingival incision / gingivoplasty
- Pulp capping (disinfection / sterilization)
- Implant surgery
- Hemostasis after tooth extraction
- Herpetic stomatitis, etc.



## 15 INDICATION MODES



### 15 Indication modes

In the "indication mode", the energy and procedural guidance for each symptom is indicated on the display, offering practitioners a quick and easy procedural environment. In addition, the practitioners can control "repeat time", "pulse width", etc., according to the condition of the patient, enabling an even more detailed and stable procedure.

#### General

Dimensions (w × h × d)	320 × 1160 × 420 mm
Weight	40.3 kg
Weight including accessories	44.1 kg
Main voltage	220~240 VAC, 50~60 Hz
Maximum power, in operation	300 VA
Safety class	Class IV laser according to IEC 60825-1
Fuses	2 × Little AC 250V 10A

#### Laser module

Wavelength	10.57 ~ 10.63 μm, invisible infrared
Beam mode quality	TEM <sub>00</sub> , 95% purity
Beam quality (at 1/e <sup>2</sup> )	M <sup>2</sup> ≤ 1.2
Laser power output, continuous	30 Watts at arm's tail
Dot size	120 μm
Delivery system	7-joint, fixed mirror articulated arm
Aiming beam	5mW, 532nm green diode laser
Cooling system	Water

#### UltraPulse mode

Pulse width	200 ~ 1000 μs
Repeat time	10 ~ 1000 ms

#### SuperPulse mode

Pulse width	1 ~ 20 ms
Repeat time	50 ~ 1000 ms

#### Continuous Wave mode

Power	0.5 ~ 30 W
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#### Environmental Condition

Temperature	+10 ~ +40 °C
Relative humidity	30 ~ 75%
Atmospheric pressure	700 ~ 1060 hPa



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