

DENTAL CO₂ LASER SYSTEM

CYMA^{Dental}

High technical CO₂ dental laser

- 15 Indication modes
- Storage of personalized laser treatment data
- SuperPulse-, Pulse- and CW operating modes
- 2010 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.

CO₂ LASER SYSTEM

15 INDICATION MODES



15 Indicaion 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 μ m, invisible infrared
Beam mode quality	TEM ₀₀ , 95% purity
Beam quality (at 1/e ²)	M ² ≤ 1.2
Laser power output, continuous	30 Watts at arm's tail
Dot size	120 μ m
Delivery system	7-joint, fixed mirror articulated arm
Aimming beam	5mW, 532nm green diode laser
Cooling system	Water

UltraPulse mode

Pulse width	200 ~ 1000 μ s
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

BISON
MEDICAL EQUIPMENT MANUFACTURER

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