



ISO 13485



DENTAL CO₂ LASER SYSTEM

Denti 5

High technical CO₂ 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



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Your Distributor

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 x D x H)	335(W) x 425(D) x 1160(H) (mm)
Weight	40.3 kg
Weight including accessories	44.1 kg
Main voltage	120~240 VAC, 50~60 Hz
Maximum power, in operation	300 VA
Safety class	Class IV laser according to IEC 60825-1
Fuses	2 x Little AC 250V 10A

Laser module

Wavelength	10.57 ~ 10.63 μm , 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 μm
Delivery system	7-joint, fixed mirror articulated arm
Aiming beam	≤5mW, 532nm green diode laser
Cooling system	Water

UltraPulse mode

Pulse width	400 ~ 1,250 μs
Exposure time	10 ~ 1,000 ms
Repeat delay	10 ~ 1,000 ms / Single
Power peak	7.0 ~ 20 W

SuperPulse mode

Exposure time	500 ~ 9,000 μs
Repeat time	10 ~ 1,000 ms / Single
Power	10.0 ~ 30.0 W

Continuous Wave mode

Power	0.5 ~ 30.0 W
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Environmental Condition

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