

First Indian Made Dental & Surgical **CO₂ Laser Device for Soft Tissue**

**lazer
smile**



**Bloodless
Laser
Surgery**

CO₂
Surgical
Laser

Smallest
Spot
Size
($<150\mu\text{m}$)

With
Green
Guide
Light

3
Operating
Modes

3
Emission
Modes

Overview

Lazer Smile is a high-precision CO₂ soft-tissue surgical and dental laser designed for hospitals & clinics seeking speed, control, and reliability. With RF metal laser tube technology and an ergonomic articulated arm. It supports a wide range of applications & procedures across various clinical specialties like Dental, Oral & Dermatology.

Clinical Specialties of CO₂ Laser

- Plastic & Reconstructive Surgery
- Oral & Maxillofacial Surgery
- Dermatology
- Dental & Pediatrics Oral

Key Applications

Dentistry

- Periodontal Therapy
- Soft Tissue Contouring
- Oral Surgery

Oral & Maxillofacial Surgical

- **Soft Tissue Pathologies**
 - Lesion Excision & Ablation
 - Leukoplakia Management
 - Mucocele Removal
- **Implantology & Periodontal Care**
 - Implant Uncovering
 - Peri-implantitis Treatment
 - Sulcular Debridement

Dermatology

- Fractional Skin Resurfacing
- Lesion Removal
- Scar Revision

Plastic & Reconstructive Surgery

- Blepharoplasty
- Tissue Sculpting
- Aesthetic Refinement
- **Pre-Prosthetic & Reconstructive Surgery**
 - Vestibuloplasty
 - Gingival Hyperplasia

SPECIFICATIONS

Electrical	230VAC 50 Hz,2A
Spot size	spot size 150 - 300 μ m
Max Rated Output for Laser Source	30W
Minimum Set Output Power of device	0.5W
Maximum Set Output Power of device	7W
Wavelength	10600 nm
Pulse Duration	2-1000 ms
Max Pulse Energy	28 mJ
Max Avg Power Density	396 W/mm ²
Cooling(H)	Air cooled
Air pressure at hand piece tip	1-1.3 bar
Touch Display	7 inch with adjustable mount
Height	With ARM: 60.43" Without ARM: 28.94"
Footprint	15" x 19"
Weight	Approx 50Kg.
Operating control	Footswitch
With Articulated arm	1535 x 341 x 470 (H x W x D, mm)
Without Articulated arm	735 x 341 x 470 (H x W x D, mm)

Features

- Autoclavable Hand Pieces
- Compact & Energy Efficient
- Forced-air cooling for maximum comfort
- Customizable pulse settings with modes
- Invented, Designed & Made in India

Advantages

- Very high precision beam quality for precise cutting
- Minimal bleeding (coagulates blood vessels)
- Reduced infection risk
- Less damage to surrounding tissue
- Faster healing in many cases

STPL MT aims to identify the automation needs of the global medical and healthcare industry and fulfill them by offering our world-class vision, laser and software technology. Our only goal is to become a value-added partner for our clients by providing innovative technology, an optimum level of service and continuous support to maximize our clients' business uptime.



DIAMOND TECHNOLOGY

- ~ Pioneered the Laser in Diamond Industry in India.
- ~ World's First to Introduce Robots for Diamond Processing.
- ~ Having Customer Base in More than 30 Countries & 5 Continents.



INDUSTRIAL LASER TECHNOLOGY

- ~ For Industries and Automotive.
- ~ Fiber Laser Cutting Machine with Best Results.
- ~ Accurate Marking, Welding and Cleaning Laser Machine.



ADDITIVE MANUFACTURING

- ~ 3D Printers for Industrial Needs.
- ~ Most Modern 3D Printing Technology.
- ~ Best FDM & SLA Technology.

Additive Manufacturing in health care



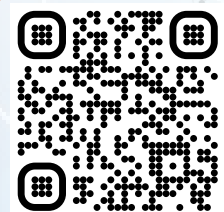
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