

Specifications of Fractional Co2 Laser

- 1) Full Resurfacing, Fractional, Incisional & Excisional Capabilities
- 2) Wavelength 10600nm
- 3) Minimum 40 Watts Power and Maximum Peak Power 170 Watts
- 4) Should have Continuous Wave & Super Pulse
- 5) Should be DC Excited Laser Device
- 6) Pulse Duration of 0.3ms-0.8ms
- 7) Depth of Penetration: upto 1000micron/Pulse
- 8) Should have Scan Area: Up-to 15mm X 15mm
- 9) Density/Scan: 3-60% Fractional & >100% Ablative
- 10) Should Have Pulse Energy: Up-to 170mJ
- 11) Spot Size: Minimum 0.12mm & Maximum 1.3mm
- 12) Should have Focused Incisional Hand Pieces: 125mm, 200mm, 260mm
- 13) Should have Option for Deep & Superficial Resurfacing In Single Scan
- 14) Should have Option to Change Shape, Size & Density as Per the Scar Type
- 15) Should have User Selectable Repetition Rate 300-400 Pulses/Second
- 16) Should have Repeat Delay of 0.5 - 1.5 Seconds
- 17) Should have Lightweight, minimum 7 Joint, Spring Balanced Arm weight upto 120
Cm (47.2 In) Reach, 360 degree Rotation.
- 18) Should have Aiming Beam of atleast 5mw Red Diode Laser, 635nm, Adjustable
Intensity
- 19) Should have Self-Contained, Closed Cycle Cooling System
- 20) Should have Pre Programmed Treatment Parameters
- 21) Should conform to CDSCO – BIS standards. Where CDSCO certification is not
available, should conform to USFDA/CE standards.
- 22) Should be Supplied One Online Ups of 3 KVA or more.

- 23) Should be Supplied With One Smoke Evacuator.
- 24) Should be Supplied With Operator & Patient Safety Goggles
- 25) Should be Supplied With Internal Cornea Shield with Applicator
- 26) Manufacturer Should Have their direct presence in INDIA for after Sales Service & Support. Presence of service provider office within 100 km of installation.
- 27) Time exposure 0.05 to 1 sec., 1 to 4.5 W, 0.01 to 1 at 5 to 30 W
- 28) At least Two bacterial filters.
- 29) Ten laser safety eye glasses, 10 operator, 10 patient.
- 30) User defined power setting can be stored.
- 31) Doctor chair hydraulic height adjustable with back rest & castor wheels, 2 in number.
- 32) 5 years of warranty followed by 5 years of CMC.
- 33) Spike protection UPS.
- 34) Provision for free of cost software Upgradation for life cycle of the equipment irrespective of the number of software update.
- 35) Demo and training of the said equipment should be provided.