

Technical Specification CO2 Laser

1. Should have Fractional, Incisional & Excisional capability for skin Cutting, Slough removal, Skin Resurfacing.
2. Should have 10600nm wave length.
3. Should have 30 - 50 watts Power.
4. Should have Continuous wave.
5. Should have Maximum Power to tissue per pulse 150 – 200 millijoules watts (Adjustable)
6. Should have user selectable Repetition Rate 300-400 pulses/Second.
7. Should have Time Range of 0.1ms – 0.8 Ms.
8. Should have Spot Size of 120 – 130 Micron for Deep Fractional Ablation.
9. Should have spot size 1300 - 1400 micron for superficial Fractional Ablation.
10. Should have Focused Incisional 3 hand Pieces 50 – 125, 100 – 200, 200 - 300.
11. Should have option for Deep and Superficial Resurfacing in single scan.
12. Should have option for treatment of skin furrows and other textural Irregularities.
13. Should have Repeat delay of 0.1 to 5.0 seconds with in range.
14. Should have pulse duration of 300 Microsecond.
15. Should have 5-100% coverage/ Pass.
16. Should have depth of penetration: Up to 1000 Micro meter/pulse or better.
17. Should have Computer pattern generator (CPG) Gun or scanner.
18. Should have Scan Area up to 10mm x 10 mm.
19. Should have Transmission by Articulated Arm.
20. Should have Aiming Beam of Helium or Diode Laser.
21. Should have self-contained, closed cycle cooling system.
22. One online ups of 6kVA. (5kVA – Branded – 5-year warranty with 30 min back up
23. Should have supplied with operator & Patient Safety Goggles (10 each).
24. Should be supplied with internal cornea shield with applicator.
25. One Turbo Smoke Evacuator should be supplied with the main equipment.
26. Adequate safety to operator, patients, attendants and other medical apparatus should be ensured as per guidelines.
27. Manufacturer should have their direct presence in INDIA for after sales service & Support.
28. Three visit/ Year necessary for month apart for repair.
29. Any consumable if quoted separately for free up call for 5 Year
30. 95% surgery all accessories to be supplied with equipment.
31. They should be from same manufacture or accepted quality

