

Revised Technical Specification of Nd Yag Laser with slit lamp after bid

Photodisruptive laser

1. **Laser Type:** Neodymium Yttrium Aluminium Garnet
2. **Wavelength:** 1064 m, super Gaussian
3. **Mode of Operation:** Q-Switched (CQ-Crystal)
4. **Energy Output:** Maximum of 45 mJ in Triple pulse mode.
5. **Energy Adjustment:** Continuously variable across full energy range
6. **Burst Mode:** 1.2 or 3 pulse each burst with the separation between pulses of 20 ms
7. **YAG Offset Focus:** Continuously variable from Anterior (-)500 um to Posterior (+) 500um. In steps of 0, +/-150, 250, 500 um
8. **Pulse Width:** 4ns+/-2ns.
9. **Repetition Rate:** 2.5Hz for single pulse
10. **Spot Size:** 8µm-10µ
11. **Cone Angle:** 16⁰
12. **Focal length:** 100 – 107 mm
13. **Energy Display accuracy:** Better than +/-20% of actual
14. **Aiming Beam:**630-670nm (Red) laser Diode, 4 Point/2 point
15. **Mode of Operation:** Continuous wave (CW)
16. **Output Power:** Maximum 200 µW
17. **Power adjustment:** Continuously variable
18. **General Electric Input:** 100-230V AC 50/60 Hz Single phase
19. **Power:** 200VA
20. **Cooling System:** Air convection
21. **Table:** Original Motorized
22. Should have monocular assistant eye piece.
23. **UPS:** with at least 30 minutes battery back up
24. **Warranty:** 05 years
25. Should have ISO certification
26. Company should be exporting to any of the following countries – France, Italy, USA, UK, Japan.
27. Manufacture's export licence should not have been revoked in last 5 years.
28. **CMC:** 05 years after completion of warranty period
29. Should be supplied with slit lamp (5step magnification), motorized original table & Abraham Iridotomy lens-1 (8mm diameter, 66 D, 16xMagnification plano button) & Yag capsulotomy lens-1
30. Approximate cost: 25 lakh