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| **Laser Specifications** |
| Description: | Class IV lamp pumped Nd: YAG laser system. This laser is Q-switched, water cooled and features a 50 million shot lamp. |
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| Manufactured by: | Custom laser made by Quantel USA |
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| Years Manufactured: | 2002-2003 |
|  |  |  |  |
| Condition: | Good condition, operational systems that have been serviced regularly. |
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| Additional information: | The laser output is optimized for 532nm @ 28Hz. The user may remove a fold mirror assembly to get the osc 1064nm beam output. This fold mirror may then be reinstalled with no realignment necessary. The user may also remove the 532nm components to get the amp 1064nm beam output. Although reinstallation of the 532nm components will require an alignment process. |
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| Wavelengths (nm) | 1064 (oscillator) | 1064 (amplifier) | 532 |
| Repetition rate (Hz) | 28 | 28 | 28 |
| Energy ouput (mJ) | 100 | 250 | 125 |
| Beam Diameter (mm) Approximate | 3.7 | 5.9 | 4.3-4.9 |
| Beam mode | Top hat beam profile (near field) with peak to average <2.0 |
| Pulse duration (ns) | 6.8 | 6.7 | 6 |
| Laser Head dimensions (H x L x W) | 6" x 17.75" x 4.5" |
| Power Supply dimensions (H x L x W) | 21.5" x 20" x 9" (Umbilical is 5' long) |
| Weight | Laser head 17 lbs. |
|   | Power supply 66 lbs. |
| Communication interface | RS232/485 |