

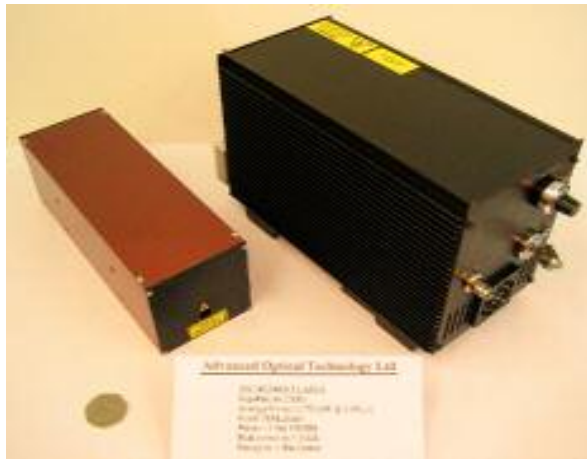
Advanced Optical Technology Ltd

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Press Release

New E-O Q-Switched Nd:YVO₄ Short Pulse Instrument Laser

AOT are pleased to announce the release of a new ('Instrument') laser product, Model: AOT:YVO:25QI. This laser is designed with cost efficient performance in mind for laboratory equipment suppliers and users who require an efficient short pulse 1064nm-laser source. The specification includes: rep-rate of 0-25kHz, TEM₀₀ beam profile, 1.5ns (nominal) pulse length, pulse energy to 40μJ (30kW pk power), and to more than 750mW maximum average power.



The laser is in OEM format and comprises a head ~ 75(H) x 75(W) x 225(L) mm and a PSU/control unit ~ 135(H) x 110(W) x 250(L) mm, with total weight ~ 5kg. The head connects via a D-connector to the back of the PSU/control unit by a conduit cable nominally 2m long. The user inputs required are: single-phase 110-250V AC of < 40W, and a TTL trigger source to set the laser pulse rep-rate. A precision 10-turn potentiometer sets the laser power. The laser PSU/control

unit also includes a customer accessible safety interlock link.

The highly competitive pricing for the laser is attractive for both OEM customers, and for research and university groups with tight budgets looking to assemble their own specialist laboratory type systems. It is expected that the short pulse performance, TEM₀₀ beam quality, high rep-rate and ability to provide excellent synchronised pulses will make the unit attractive for applications as diverse as: ranging/mapping, photochemistry and fine processing.

For further information please contact AOT Ltd or visit the company Website.

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