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Press Release

New Product Range Performance

The ACE solid-state lasers manufactured by Advanced Optical Technology are actively Q-switched units that produce highly synchronisable short (~ 0.5-3ns) pulses at kHz rates in the near-IR and visible/UV - with drop-in harmonic modules. Users can select from standard models with max pulse rates between 10kHz and 100kHz. All laser provide excellent TEM₀₀ beam quality.

At LASER 2007 in Munich the company will introduce; (i) a compact economic 'Instrument' laser (Model AOT-YVO-25QI) that operates to 750mW @ 25kHz and (ii) a new high power MOPA (Model AOT-YVO-xxxQ/MOPA) that can operate to 100kHz, 100µJ/pulse and to 3W average power. As with the rest of the ACE range, both new models are very efficient and require < 50W and < 100W wall plug power, respectively.

For users requiring visible and/or UV performance, the new MOPA can be used with AOT standard harmonic modules. In factory trials, the excellent beam quality of the new MOPA has resulted in a maximum 532nm average power of > 1.5W, and a 355nm power of > 1W.

The attributes of the two new models are anticipated to significantly enhance the attractiveness of the ACE product range to users currently seeking short-pulse synchronisable sources for their industrial, scientific/instrument or R&D applications.

Further product information and specifications are available from the Company's Website: www.AOTLasers.com

Clive LM Ireland
AOT Ltd