

# Press Release

## Allegro dye laser for high repetition rate and high pulse energy pump laser systems.

Edinburgh, 20 July 2008

Sirah, the leading supplier of pulsed dye laser systems, is proud to announce the launch of the Allegro dye laser. Distributed in the UK by Photonic Solutions, the Allegro is optimised for the use with high repetition rate Diode Pumped Solid State (DPSS) laser systems.

Featuring a specially designed low threshold resonator, novel dye cells and modified flow pumps, the Allegro can be pumped by multi kHz 532nm and 355nm lasers. This unique narrowband dye laser can be configured to lase from 370nm to 900nm with fundamental wavelength output power of up to 25W depending on the pump energy, repetition rate and laser dye used.



As is the case with all standard dye lasers from Sirah, efficient SHG conversion is easily achieved with the Allegro giving truly tuneable UV radiation in the kHz region, opening up new research opportunities in areas such as combustion diagnostics, atmospheric research, laser-matter interaction studies and life sciences.

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