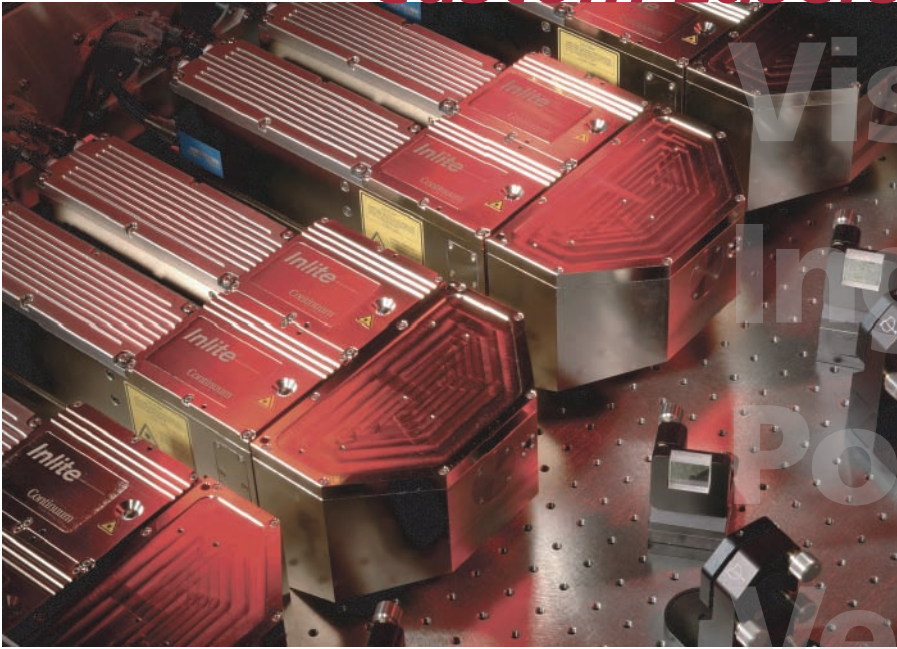


Custom Lasers



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Vision
Ingenuity
Power
Versatility

500 Hz Laser System

Continuum has developed a novel high repetition rate, high energy custom laser system for a customer-specific application. It integrates ten Inlite II infrared lasers into five polarization beam combined beams. The beams are highly collimated and collinear, which allows them to be focused to a single spot through a large lens.

The lasers are externally triggered at 50 Hz and timed, which allows the user to interleave them to achieve an effective repetition rate of 500 Hz. With an energy specification of 100 mJ per pulse, the system delivers in excess of 50 W average power.



The lasers are beam combined in the new Inlite PIV docking platform, delivering excellent beam pointing stability. Overall, the system has less than 100 μ rad pointing error.

Control of the system is through a custom graphical user interface that controls all functions of the

laser as well as setting the timing of the system through a single control panel. One button can enable the entire system for ease of operation.



Custom Graphical User Interface

For more information, please contact your local Continuum representative, www.continuumlasers.com, or call 1(866)532-1064.