Illumination for Light Sheet Applications

High-Speed Imaging



The compact short-pulsed laser for illumination in light sheet applications



Fire FLY500-LS model

Light delivery system for visualising flow, velocity and fluid mechanics

Designed for

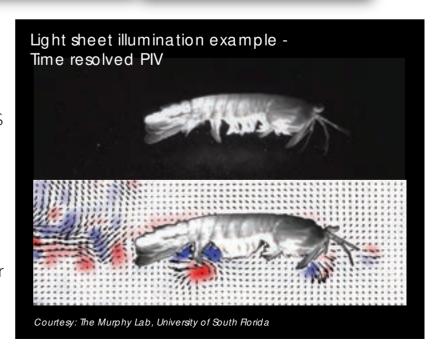
me resolved PIV igh-speed PIV Standard PIV



The light sheet (LS) model

The Fire FLY500-LS is designed with PIV in mind. Whether for time resolved, high-speed or standard, the FireFLY500-LS is a compact, affordable and reliable imaging system.

An easy-to-use, flexible light delivery system with a simple interface makes the Fire FLY 500-LS perfect for illuminating high-speed imaging events in applications for PIV. flow visualisation and fluid mechanics.



Applications

- Time resolved PIV
- High-speed PIV
- Standard PIV
- Flow visualisation
- Fluid Mechanics
- General high-speed imaging

Features

- High repetition rate to keep up with high-speed events
- Trigger easily from any camera, high speed or low speed
- Fully sealed air cooled laser head.





Technical Specifications

Name	Fire FLY500-LS laser
Wavelength	808nm
Laser Power	500W (at the diode)
Pulse Duration Range	50ns - 100μs (1% duty cycle limited)
Minimum Separation	330ns
Maximum Pulse Frequency	10,000Hz
Number of pulses per burst	254
Laser Class	laser class 4
Voltage	100 to 240VAC
Frequency	50/60Hz
Dimensions	
Head	205mm x 125mm x 70mm
Controller	270mm x 200mm x 65mm

For over 40 years, Oxford Lasers have been working at the leading edge of laser technology. Providing products and services to a variety of industries for the advancement of production processes, R&D and development applications.

Oxford Lasers: The Home of Laser Innovations

Contact Us

OXFORD LASERS LTD. Unit 8, Moorbrook Park, Didcot, Oxon, OX11 7HP **United Kingdom** Tel: +44 (0) 1235 810088

OXFORD LASERS INC. 2 Shaker Road, Unit A101 Shirley, MA 01464, USA Tel: +1 (978) 425 0755