



DUMA: Innovative Optronics Instrumentation

Duma Optronics was established in 1989 by a group of entrepreneurial researchers to serve the optronics instrumentation market with innovative products. The 15 person R&D group includes specialists in optical design, E-O systems, electronic signal processing and computerized imaging. Their fertile interaction resulted in a number of innovative solutions to optronics instrumentation problems with universal applications. As can be judged from this product sample, the Duma Optronics strength lies in combining:

- A wide spectrum of technical disciplines
- A strong spirit of innovation
- A practical, application-oriented approach to High-Tech.

The unique state-of-the-art technology developed and owned by Duma Optronics is under patent pending.

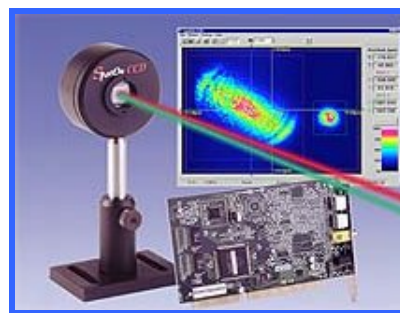
We offer a wide variety of computerized measurement systems, providing more sophisticated and cost-effective solutions to numerous applications, such as:

- QC of laser beams and optical systems,
- Alignment of laser beams,
- Multiple beam positioning and power measurement for WDM/DWDM,
- Laser diode/fibre optic far-field angular radiation/collimation measurements.
- On-line monitoring of beam characteristics.
- Complete test stations for the fibre optics and optronics markets.

DUM SPOT L44

Beam Positioning Measurement

Monitors beam position and power using a large detection area. Based on a Lateral Effect detector for the VIS range. Plug-in type device which handles one or two PSD's simultaneously.



SpotOn CCD

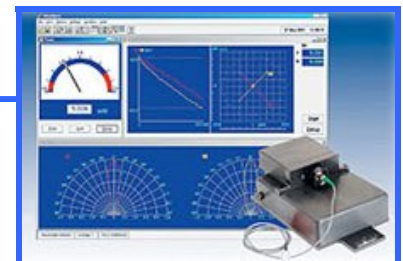
Multiple Beam Positioning

Measures both CW and pulsed beams, up to 3 beams simultaneously. Wide spectral range from UV through IR. High accuracy measurement, less than 5 μ m deviation edge-to-edge and sub-micron resolution for minute movements.

FiberAlyzer

Goniometric Radiometer for diode/fibre analysis

A characterization instrument for the angular radiation intensity of light. The device measures N.A., power, angular width ratio and angular position with respect to the optical axis.



FiberPower

Simultaneous Measurements of Optical Power

A multi-channel optical power meter for CW beams for the near infrared. Compare between channels and get information on attenuation, stability, long-term performance and Pass/Fail testing.

M² Beam

M² Measurement System

Multi-function device, measuring the 2-axis M² figure of CW lasers, waist size and location. The M² factor is measured in accordance with the proposed ISO standard ISO/CD11 146

