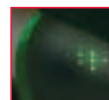
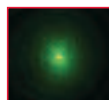


LED and Laser Safety Testing

- >> Do you need product compliance testing for items containing lasers and LED's?
- >> Do you have fume hazards from materials processing?
- >> Is the design and implementation of safe working environments for lasers an issue for your company?

Laser Optical offer a complete testing and consulting service ...



Laser Optical
Engineering Ltd

LED and Laser Safety Testing

With over 30 years experience of laser safety testing, Laser Optical offer a fast, comprehensive service.

Product compliance testing

All appliances that contain a Light Emitting Diode (LED) or laser must be tested and comply with BS EN 60825-1:2007. Laser Optical offer this service for products entering either the European, French or US market.

Items commonly tested at our premises include:

- children's toys containing coloured LEDs
- remote control units containing infra red LEDs
- the latest LED based lighting systems
- laser pointers
- laser depilatory products



On-site audits of laser generated hazards

LOE's laser audits ensure your organisation is operating with the best practice guidelines laid down for the use of lasers and LEDs. This will ensure that your staff are kept safe and hazards minimised.

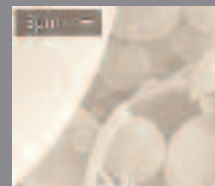
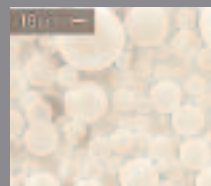
The use of lasers generates gaseous and particulate material which must be monitored to adhere to Legislation for the Control of Substances Hazardous to Health (COSHH) and EH40.

LOE regularly undertake a range of audit activities associated with laser use:

- on-site surveys of installed laser equipment
- examination of high power lasers used in cutting and welding
- on-site surveys of laser lightshows in nightclubs and large music venues

Our laser fume analysis service results in the production of a comprehensive report on fume presence, providing:

- access to methods for performing both qualitative and quantitative analysis
- the capability to analyse fume particle size and shape which are critical in determining source of the fume and initialising a programme for its reduction



Fume by-products of laser cutting of steel

Laser safety policies

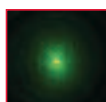
LOE is able to provide clear, unequivocal advice to companies to enable compliance with legislation.

We have provided training to:

- cable engineers for safe working procedures
- heavy industrial users to ensure that the policies and procedures are attuned to the workplace
- formulate policies in consultation with our clients and write procedures detailing safe working practices

LOE is unique in providing auditing, equipment, training and policy for compliance to EU and US regulations.

Please contact us for further details or any of our services.



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