

More eye protection from lasers: NoIR LaserShields expands range in UK



AG4 for 532 nm



YG5 for 1064 nm



RT filters for
visual alignment

With the news of multiple high-profile incidents involving laser pens being pointed at passenger aircraft; Elliot Scientific welcomes the recent addition of four more CE-certified laser filters and several new stylish frames to our existing **NoIR LaserShields®** range. The filters are:

AG4 - blocks UV and 532 nm green light sources

YG5 - blocks IR lasers operating around 1064 nm

RT1 & RT2 - attenuate UV, 532 nm green and near-IR from about 800 to 1064 nm, making them ideal for visual alignment applications or laser pointer protection

Eyes can be permanently damaged by direct or reflected exposure to lasers, high-power LEDs and plasmas - arc welding for example.

NoIR safety eyewear is designed to absorb specific light energies, and must be selected by considering source wavelength(s) and peak irradiance, required optical density (OD), visual light transmittance, field of view, effects on natural colour rendition and frame comfort.

A number of frame styles are now also available in white, while an **extra small model** has been introduced for petite faces, adolescents and pre-teens. This will allow paediatric, medical and dental services involving laser treatments to offer better eye protection for children.

⚠️👁️👁️ Your eyesight is important! Please **contact us** if you work with, or might be affected by, lasers or any other intense light source.



Elliot|Martock waveguide holders now with 'in copper' option



Elliot|Martock waveguide/device holders are now available manufactured from copper as a special order at additional cost. Any of the following **MDE74x range** can be supplied as such for applications requiring a heatsink capability.

- **MDE741** - Basic, plain mount for tape or adhesive clamping
- **MDE742** - Vacuum clamping
- **MDE743** - Mechanical clamping

The new holders are mainly for use with **Elliot Gold™ series flexure stages** and the **central workstations MDE881 and MDE883**, but can also be mounted on the **MDE147, MDE148 and MDE149** brackets.

The **MDE744, MDE745, and MDE746** models are special versions of the MDE741 to MDE743 models for use with the **MDE717 and MDE718 fibre rotators**.

For more information, please **contact us**.

Mad City Labs introduce new Nano-LPMW low profile 3-axis positioner



Ideal for applications in optical trapping, microscopy, fluorescence imaging, single molecule spectroscopy and super resolution microscopy (SRM), the new **Nano-LPMW** from **Mad City Labs** is a unique 3-axis nanopositioning system designed to hold multiwell plates, slides, dishes and environmental chambers.

The Nano-LPMW has a low profile and extra-large centre aperture with 200 micron range of motion in all three axes. The low height of the Nano-LPMW Series allows it to be easily integrated into existing inverted optical microscopes and is compatible with a large range of microscope stages.

Like the related **Nano-LPS Series**, the Nano-LPMW is ideal for demanding microscopy applications which require long range travel, high stability, and three axes of motion.

The Nano-LPMW is the only 3-axis nanopositioning system which can hold multiwell plates and incubators, and deliver precise and repeatable motion. A function made possible through closed loop control combined with PicoQ® position sensors. For more information, please **contact us**.

EXFO's new CW tunable laser offers 10 pm resolution and 100 kHz linewidth in the C or L bands



The **EXFO FLS-2800** is a continuous wave (CW) tunable laser with a high-power output, narrow 100 kHz linewidth and 10 pm resolution tunability over the C or L band.

This laser offers a cost-effective and versatile solution for various applications, including coherent/orthogonal frequency-division multiplexing (OFDM) transmission and WDM network emulation. The FLS-2800 is available in single- or dual-laser configurations.

The FLS-2800 is easy to directly control using the knob on the front panel. Each laser is controlled separately, and both wavelength and power can be adjusted quickly and precisely. It is also possible to view the status of and control the FLS-2800 remotely via the USB or Ethernet ports by means of EXFO's TLM user interface.

For more information, please [contact us](#).

Next month, Elliot Scientific will be exhibiting at the...



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