PHOTON1 IS VISITING UNIVERSITY OF ILLINOIS!

PHOTON 1

KENTEK'S LASER HELPERS® BRING LASER SAFETY PRODUCTS TO YOU.

When: Monday, May 6th

Where: On the North Quad, South of Beckman Institute.

Time: Open 10:00 - 2:00 p.m.

Please stop by to see our laser safety products in action.



PRODUCT DEMONSTRATIONS and EXHIBITS



LASER CURTAINS

Suspended from the 6.5' high ceiling are four examples of laser curtains including high power EVER-GUARD® all metal laser barrier curtains (1200 Watts/cm^2), heavy duty FLEX-GUARD™ fabric laser barrier curtains in black (250 Watts/cm^2) and tech blue (100 Watts/cm^2), plus our laboratory-friendly blackout curtains. The laser curtains demonstrate operating interlocks and several modes of attachment including our unique "curtain door" which enables construction of a secure and interlockable entry in any laser barrier curtain. We also display dozens of hardware components so you can see how our curtains can be suspended, attached to wall, or built up from the floor in an open environment.

LASER WINDOW COVERINGS

The laser viewing window displays built into one of **PHOTON1's** walls show:

- Fully interlocked roller shade with clutch-driven mechanism and both side and bottom channels.
- FLEX-GUARD™ window block with magnet and Velcro® type fasteners.
- Semi-transparent and laser safe viewing window fabricated from cast acrylic sheet.

LASER ENCLOSURE and ACCESSORIES

A small optical table in **PHOTON1** carries a Class1 laser enclosure with an operating low-power infrared laser. This display area demonstrates some of Kentek's capabilities in enclosure design including ports, doors, and windows. The laser can be operated to show several products from Kentek:

- Zap-It® paper burns can be achieved with the laser.
- Beam images are visible on the View-It® infrared detector products.
- Laser power is calculated in live time on a Gentec-EO power meter with graphic display.

LASER ACCESSORIES

A second optical table features Kentek's Bench-Guard and Table-Guard optical table barriers which serve as end stops, bench partitions, or optical table surrounds to help keep stray radiation away from personnel. We also demonstrate several of our Trap-It™ beam dumps including both air-cooled and water-cooled versions. We show both infrared and UV variants of our View-It® laser detection and imaging products.



LASER INTERLOCK SYSTEM

Our Entry-Guard™ laser safety interlock system (SIS) is mounted on a wall in PHOTON1 and is fully functional. The control panel is connected to multiple switches and controls and oversees access to the enclosed laser display on board our showroom vehicle. The interlocks on the laser curtains and the roller shades are connected and operational. The laser, the laser shutter, the enclosure interlock, and two lighted signs are controlled by the main panel of our interlock system. Customers can explore how the many components and options available with our Entry-Guard™ system might work in their environment.



LASER SAFETY EYEWEAR

PHOTON1 is stocked to demonstrate more than 50 laser safety eyewear options including goggles and spectacles, glass and polycarbonate. Having our van at your site presents a unique opportunity to help your laser users not only pick the optimal laser eyewear filter, but also to try on multiple options to ensure fit and comfort.

CATALOGS AND SAMPLES

PHOTON1 is carrying cabinets full of our new catalogs plus samples and other materials to help support you, our laser customer. We have mounted a touch screen computer on the wall with product databases and internet access to provide additional information as needed.

THE VAN: PHOTON1

The 2017 Ford Transit High Roof will fit in a standard parking space, but we work best when we have 2 spaces front-to-back. The sliding side door and large barn-style back doors open for easy access with a small step up into the van. The interior height is just over 6.5 feet making it easy to view and work with our products from a standing position. To get the best possible experience, we like to have open access from the passenger side so we can extend the 9' awning attached to our magnificent safari roof rack. University customers, for example, have allowed us to park on the sidewalk next to laboratory buildings or in the science quad. PHOTON1 is entirely self-sufficient and requires no external power for any display. Vehicle dimensions: 22' L x 8'W x 11.5'H.

THE VISIT: PHOTON1

Experienced laser safety personnel from Kentek will attend each scheduled customer visit made with PHOTON1. We encourage laser safety officers at multiple laser sites to invite all their laser users to meet with us. We will schedule our visit around your needs. From our experience, the minimum time for an experienced LSO to go through all of the displays is about one hour. A two to four hour block of time at a multi-laser installation is best for groups.

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