



## WEBINARS

Join us for a **FREE Webinar**

### **An Introduction to Plastics Laser Welding**

**Thursday, September 22, 2022 10:00 AM - 11:00 AM EDT**

[Register Now](#)

#### .: About This Webinar

Lasers are a beneficial tool for joining sheet, film, or molded thermoplastics, and textiles including thermoplastic composites. Laser processing allows for precise yet rapid delivery of a controlled amount of energy to the required point. The equipment is available in a wide selection of forms that are suitable for small and large parts, complex shapes, and many different polymer types and combinations. Applications of the process include catheters, microfluidic devices, tubing, packaging, electronic cases, and inflatable devices. For a wide range of products, laser welding can provide improved quality and production rate with reduced cost and energy use for product assembly.

Ian Jones of Laserweld Plastics describes the main processes and procedures used for laser welding, how welding is carried out, and the materials and joint designs that it can be applied to. He also shares the important components of laser welding equipment and a brief introduction to some of the product manufacturing applications.

#### **Who should attend:**

Engineers, technicians, and R&D scientists who are interested in laser welding of plastic materials. Those who are planning to design or purchase laser welding systems. Anyone working in fields such as medicine, test & measurement, automotive, defense, and aerospace. This webinar provides a primer-level overview.

#### **About the presenter:**

Ian Jones, director of Laserweld Plastics Ltd., founded the company in 2017 and has worked in laser materials processing since 1989. He studied materials science at Cambridge University and worked in steel and aluminum welding before concentrating on thermoplastics, textiles, and thermoplastic composites.

Jones invented the Clearweld process, which enables the laser welding of plastics of all colors, in 1998 and has other patents in textiles processing and solar photovoltaic fibers. He has published a book and several papers and chapters on plastics and textiles welding, and he has developed and supported many companies in a very wide range of industrial applications of the process.



#### .: Mark Your Calendar

**Date: Thursday, September 22, 2022**

**Time: 10:00 AM - 11:00 AM EDT**

Space is limited. Reserve your Webinar seat now at: <https://attendee.gotowebinar.com/register/9098604280089349135?source=Eblast>

After registering you will receive a confirmation email containing information about joining the Webinar.

### SYSTEM REQUIREMENTS

#### **Operating System**

Windows® 7 or later, Mac OS® X 10.9 or later, Linux®, Google Chrome™ OS  
Android™ OS 5 or later, iOS® 10 or later

#### **Web Browser**

Google Chrome™ (most recent 2 versions)  
Mozilla Firefox® (most recent 2 versions)

#### **Mobile Devices**

Android™ 5 or later  
iPhone® 4S or later  
iPad® 2 or later  
Windows Phone® 8+, Windows® 8RT+

#### .: More from Photonics Media

### Upcoming Webinars

- [SWIR Colloidal Quantum Dot Sensor Bandwidth and Thermal Stability: Progress and Outlook, 9/20/2022 1:00:00 PM EDT](#)

### Archived Webinars

- [QCL Dual-Comb Spectroscopy Matures into the Mid-Infrared by Combining High-Time and High-Frequency Resolution](#)  
- [Sub-Cellular Biology at Tissue Scales with Cleared Tissue Axially Swept Light-Sheet Microscopy](#)  
- [Intraoperative OCT in Veterinary Surgery for Cancer](#)

### Don't miss out!

Sign up for our [Webinar Alerts](#) email today and never miss an upcoming event.

We respect your time and privacy. You are receiving this email because you are a Photonics Spectra magazine subscriber. You may use the links below to manage your subscriptions or contact us.

Questions: [info@photonics.com](mailto:info@photonics.com)

[Unsubscribe](#) | [Subscribe](#) | [Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949  
© 1996 - 2022 Laurin Publishing. All rights reserved. Photonics.com is Registered with the U.S. Patent & Trademark Office.  
Reproduction in whole or in part without permission is prohibited.