

# The Pulse

## What's New at XENON

Since XENON Corporation opened its doors 53 years ago, we have stood by our commitment for excellence by providing our customers with quality Pulsed Light systems and exceptional customer service.

In 2006, in an effort to remain true to our core values of continuously improving, XENON solidified this by joining the esteemed International Organization for Standardization (ISO). In addition to establishing new procedures, XENON carefully reviewed and strengthened our already successfully established Quality Management System (QMS) ensuring it would meet the international standards set forth by ISO. Over the years ISO's 9001 standard has gone through several updates, two of which have been significant, the 9001:2015 particularly so as it underwent a major overhaul in multiple areas including audit practices and what is expected of internal auditors. XENON's incredibly dedicated staff opted to face this head on and go for the 9001:2015 certification a year ahead of schedule and WE PASSED!!

Our success is 100% attributed to our employees – at all levels, from the initial implementation they have enthusiastically embraced ISO's standards and XENON's commitment which has us surpassing every goal and milestone we encounter.



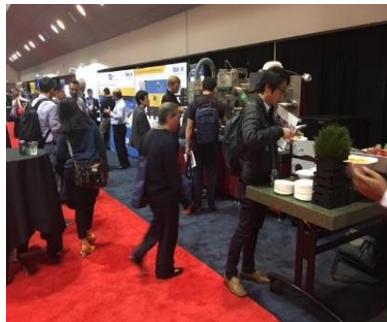
## Recent Events

Last November marked the 5<sup>th</sup> consecutive year XENON has been a prominent sponsor of IDTechEx's Printed Electronics USA trade show which takes place annually in Santa Clara, CA.

Printed Electronics USA provides a networking platform for CEO/VP-level, end-users, manufacturers and system integrators. Co-located with related events for 3D Printing, Graphene, Wearables and Energy Harvesting to name a few, this event attracts 200 exhibitors, 3,500 attendees, represents 50 countries making it the premier trade show for the printed and flexible electronics market.

In collaboration with Carpe Diem Technologies, XENON introduced the CENTAURI system, the FIRST end-to-end R2R Solution for PE Sintering.

CENTAURI is a 6-inch web solution that allows for ultimate flexibility in modification for custom requirements and processes. This unique solution integrates web handling, Carpe Diem



roll coater/printer with Harper anilox roll, Vetaphone Corona surface treatment, Adphos NIR Drying and XENON's proven Photonic Sintering S-2200 System.

John Berg, CEO of Carpe Diem remarked, "With all that XENON brings to the table, it's no surprise that together we were able to create the most flexible and comprehensive end-to-end solution for PE sintering that provides users with the starting point for virtually any PE application they wish to explore."

## Pulsed Light Discoveries

### Pulsed ultraviolet light in reducing allergic response in foods

XENON's own Dr. Stephen Wilk composed a research paper focusing on studies in which pulsed light was used. Testing on the top eight most common food allergies has been promising in hopes of decreasing certain proteins that react with the body, consequently making them an allergy. The results shown on peanuts was impeccable. The 2014 study showed that when treating whole peanuts with pulsed xenon flashlamp radiation, there was an incredible 80% reduction of the allergens.

### Pulsed UV Technology in Trans-Atlantic Fiber Optic Cables

In 1980, the world's first Trans-Atlantic Fiber Optic Cable was built with XENON's Pulsed UV Technology playing a critical role in connector bonding. For this challenging project to be successful, the connectors needed to be UV cured to the fiber-optic and then withstand an extremely ridged strength test. The only way the bonds passed the high performance, quality process was with XENON's RC-250B pulsed UV curing system. Other methods were rejected because the UV cures failed to achieve 100% cure thus separating during trials. The high peak energy of XENON's Pulsed UV technology easily brought the cures to completion. This success story allowed XENON to play a key role in the fiber optic market for the connector bonding.

## Happenings Around Town

### Chili Cup Cook-Off | 2/15

Hungry? Fill up on chili from local Boston restaurants and help crown the next chili-cup champion. Join twelve other participating restaurants at Ned Devine's in Faneuil Hall from 5:30p-8:00p.

### Trivia & Tacos | 2/27

Trivia with a twist when you can enjoy tacos and craft beer at Jamaica Plain's own Casa Verde. Enjoy fun, creative challenges all while kicking back to eclectic music from 8:30p-10:30p.

### St. Patrick's Day Parade | 3/18

Beginning at Broadway and Dorchester Avenue, join over 600,000 people in green to celebrate Boston's Irish roots where you can enjoy colorful floats, Irish & American pipe and drum bands, and a whole lot of enthusiasm. 1 pm, Free.

Let the **PULSED LIGHT EXPERTS** develop a solution for your application needs

## Coming Events

• SPIE Photonics West | San Francisco, CA | January 30 – February 2, 2018 | Booth 4406

• LOPE-C | Munich, Germany | March 14-15, 2018

Contact:

**XENON Corporation**  
37 Upton Dr. Wilmington, MA 01887  
978-661-9033  
Info@xenoncorp.com