

# News Release



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## Celanese to Demo “Smart Parts” at National Plastics Expo

*Four industry-leading companies will mold a complex part simulating a medical device cover at the 2015 plastics showcase*

DALLAS and ORLANDO, Florida (MARCH 17, 2015) Celanese Corporation (NYSE: CE), a global technology and specialty materials company, will present its cutting-edge expertise in developing smaller, lighter weight “smart parts” during the National Plastics Expo (NPE), March 23-27, 2015, in Orlando, Florida.

Celanese, Mold Craft, Sodick, and LPKF have teamed up to showcase the innovative value propositions that exist for device manufacturers when choosing industry-leading experts as partners for their sensor design and manufacturing needs. The result of this inventive partnership will be exhibited at booth S27001 at this year’s NPE where the four companies will mold a complex part using Celanese Vectra® LCP that simulates a medical device cover called a Vented Processor Housing.

“Miniaturization is a top priority of advanced sensor and electronics technology manufacturers,” said Kevin Wu, global business director for Electronics and Consumer. “Celanese is proud to work with industry-leading experts to deliver an innovative solution that combines the expertise of all of our companies.”

**Celanese** is a leading global supplier of high-performance engineering polymers designed to drive growth and innovation across all industries. Celanese Vectra® LCP is the ideal material for compact, intricate, thin-wall designs, such as this. In addition to Vectra® LCP, Celanese also produces the Zenite® LCP series. These LCP products offer excellent melt flowability, part dimensional stability, and fast cycle times, which will be proven during the on-site molding at NPE 2015.

**Mold Craft** created a small, thin-walled part with different surface finishes, special cavity inserts, and very tight tolerances. This part demonstrates small pitch features within the mold cavity and ability to maintain tolerances as tight as  $\pm.0001$ ” resulting in crisp detail. This is achieved by Mold Craft’s Design for Manufacturing (DFM) capabilities, which also enables interchangeable cavity inserts.

**Sodick’s LP20EH3** micro injection molding machine has been engineered to be the most precise machine on the market, using a two-stage plunger injection unit without a check ring and a true hybrid precision clamping mechanism. Sodick will use robotics to unload molded parts from the machine on the NPE 2015 show floor.

**LPKF Laser & Electronics** engineered the feature-rich design and 3D circuitry on the part. Using laser direct structuring (LDS), the circuitry is laser-etched on various areas on the part and then selectively plated using electroless copper metallization with ENIG finish.

## **Celanese Technical Presentations at SPE's Annual Technical Conference at NPE**

Celanese subject matter experts will also present the latest innovations and newest applications of the company's polymer product portfolio at the Society of Plastics Engineers' Annual Technical Conference (ANTEC) 2015 at NPE on March 23-25, 2015. These Celanese experts will participate in a series of technical sessions, including:

### **Color and Appearance Colored Resin Topics**

Introduction to Color Technology

Monday, March 23, 2015 – 8:30 a.m.

Keynote: Bruce Mulholland, R&D Leader

### **Bioplastics Bioplastics Session**

Cellulose Acetate As a Tunable Bio-based Engineered Material

Tuesday, March 24, 2015 – 9:00 a.m. | 2095590

Speaker: Karthik Vaideeswaran, Director, Enabling Technologies

### **Plastics in Building and Construction Plastics in Building and Construction Session**

Health Product Declarations – The Good, the Bad, and the Ugly

Tuesday, March 24, 2015 – 9:30 a.m.

Keynote: Marty Sweeney, Application Development Manager

### **Thermoplastic Materials and Foams Thermoplastics Session**

Thermotropic Liquid Crystalline Powder

Tuesday, March 24, 2015 – 8:30 a.m. | 2097180

Kamlesh Nair, Polymer Chemist

### **Low-Permeation Toughened PolyOxymethylene (POM) for Injection-molded and Blow-molded Tanks in Small Off-road Engine (SORE) Applications**

Tuesday, March 24, 2015 – 9:30 a.m. | 2097438

Sunghye Kim, Product Development Engineer

### **Thermoplastic Elastomers - Thermoplastic Elastomers Session**

Injection Overmolding Performance of Thermoplastic Polyester Elastomers (TPC-ET)

Tuesday, March 24, 2015 – 4:30 p.m. | 2093303

Mukul Kaushik, R&D Engineer

## About Celanese

Celanese Corporation is a global technology leader in the production of differentiated chemistry solutions and specialty materials used in most major industries and consumer applications. With sales almost equally divided between North America, Europe and Asia, the company uses the full breadth of its global chemistry, technology and business expertise to create value for customers and the corporation. Celanese partners with customers to solve their most critical needs while making a positive impact on its communities and the world. Based in Dallas, Texas, Celanese employs approximately 7,500 employees worldwide and had 2014 net sales of \$6.8 billion. For more information about Celanese Corporation and its product offerings, visit [www.celanese.com](http://www.celanese.com) or our blog at [www.celaneseblog.com](http://www.celaneseblog.com).

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### Forward-Looking Statements

This release may contain “forward-looking statements,” which include information concerning the company’s plans, objectives, goals, strategies, future revenues or performance, capital expenditures, financing needs and other information that is not historical information. When used in this release, the words “outlook,” “forecast,” “estimates,” “expects,” “anticipates,” “projects,” “plans,” “intends,” “believes,” and variations of such words or similar expressions are intended to identify forward-looking statements. All forward-looking statements are based upon current expectations and beliefs and various assumptions. There can be no assurance that the company will realize these expectations or that these beliefs will prove correct. There are a number of risks and uncertainties that could cause actual results to differ materially from the forward-looking statements contained in this release. Numerous factors, many of which are beyond the company’s control, could cause actual results to differ materially from those expressed as forward-looking statements. These factors include the inability to obtain regulatory approvals of the transaction and satisfy conditions on the proposed terms and schedule and the possibility that the transaction does not close. Other risk factors include those that are discussed in the company’s filings with the Securities and Exchange Commission. Any forward-looking statement speaks only as of the date on which it is made, and the company undertakes no obligation to update any forward-looking statements to reflect events or circumstances after the date on which it is made or to reflect the occurrence of anticipated or unanticipated events or circumstances.

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