



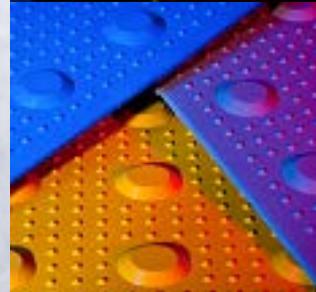
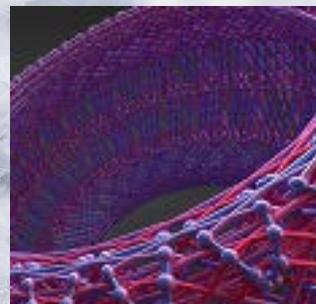
THERMOSET

THERMO SETTINGS

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Q2 2017

LETTER FROM THE CHAIR

*Recap of Annual Thermoset Conference
in Scottsdale, AZ (March)*



"The success of this event is not possible without our sponsors, speakers and attendees."

- Len Nunnery

Dear Thermosetters,

Thank you to all who attended the annual SPE Thermoset Conference in Scottsdale, AZ in March! The success of this event is not possible without our sponsors, speakers and attendees. Special thanks to Dale Brosius, Chief Commercialization Officer

for the Institute for Advanced Composites Manufacturing Innovation (IACMI), who delivered a compelling Keynote discussion.

Indianapolis has been chosen as the destination for the February 2018 Thermoset Conference. We look forward to announcing

the dates and the venue later this month. We will be issuing a formal 'Call for Papers' once the date has been set, but please contact me at anytime if you are interested in delivering a presentation.

Thank you, once again, for your support of the SPE Thermoset Division!

Sincerely Yours,

Len Nunnery,

SPE Thermoset Division Chair

CALL FOR PAPERS !

The SPE Thermoset Division is now accepting papers for the 2018 annual Thermoset Conference. Please email len@lennunnery.com for consideration.



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INDUSTRY NEWS

Announcing Titan Advanced Composites

On November 1st, 2016 Titan Advanced Composites, a new joint venture, was formed between Asbury Graphite Mills, and ZePR. Titan Advanced Composites, formerly ZeMC2, is a manufacturer of truly unique, high performance thermoset composite materials based out of Gastonia, NC. Titan is focused on product development and design solving problems within multiple industries such as Aerospace, Pump and Systems, LED, Military, Automotive, Energy, and more. "The new company is primed to help solve some of the biggest issues facing these industries" says Randy Lewis, President of Titan. Titan's product lines span multiple uses such as highly conductive, lubricious, chemically resistant, high strength and more. "We welcome all applications where traditional materials (plastics, metals and others) are failing, and companies are searching for a solution. We thrive on applications where people think "there is no way a composite can do that"" says Kevin Miller, Global Marketing and Sales Manager.

For further information, visit Titan Advanced Composites online.
www.titanadvancedcomposites.com.

In Memory

SPE Thermoset Division extends its deepest condolences to the families of Jim Cunningham and Ron Adams.

Jim Cunningham

Aug. 7, 1929 - May 7, 2017

South Carolina - Author, retired chemical engineer and U.S. Army veteran, Jim will be remembered as an active member of the SPE Thermoset Division and a true gentleman. He is survived by his wife, Theresa, of 62 years, their children and grandchildren.

Ronald Adams

April 10, 1955 - March 10, 2017

South Carolina - Sales and marketing professional Ron Adams lost a long and valiant battle with cancer in March. Ron was a strong supporter of the SPE Thermoset Division during his career with Jushi Glass. He is survived by his wife, Glenda, their daughters, and his sister.



Mar-Bal, Inc. Embarks on \$15M Expansion



“When completed, this new plant will be the best fully integrated BMC compounding and molding plant in the world.”

- Scott Balogh, President, Mar-Bal, Inc.

Mar-Bal Inc. will move its Ohio production from Chagrin Falls to Painesville by the end of the 2017, providing more space and allowing the company to increase external sales of thermoset compounds. The \$15 million project includes moving into a 110,700-square-foot building that will almost double the space that Chagrin Falls-based Mar-Bal now has for manufacturing. Their headquarters and R&D lab will remain in Chagrin Falls.

New compounding lines for bulk molding compounds in Painesville will double Mar-Bal's annual production capacity companywide, President Scott Balogh said. Compounding work done at a Mar-Bal plant in Missouri will be moved to the Painesville site, which is about 30 miles north of the Chagrin Falls location.

The compounding expansion is part of an overall business strategy. "We always had sold some material outside of the company, in addition to what we use for our own molding, but we had lost focus," he said. "This will give us a renewed focus." Global marketing and brands director Ron Poff added that Mar-Bal had been asked by several customers to do more in compounding. "There's been a lot of consolidation in our market," he explained. "We can get into competitive situations without being seen as a competitor."

After the compounding expansion is complete, Mar-Bal plans to install new injection molding machines in Painesville that will increase the firm's molding capacity there by 40 percent by the end of 2018. An additional round of expansion should take place in Painesville within the next five years, Balogh said.

Mar-Bal has added automotive and heating and air conditioning markets to its client list in the appliance, electrical, industrial and transportation sectors, and its sales in all those markets have been growing. Its "legacy business" in electrical and industrial products is recovering after a down period, Balogh said.

Balogh has said that, when completed, the new plant "will be the best fully integrated BMC compounding and molding plant in the world." Mar-Bal custom molds thermosets and molds proprietary electrical standoff insulators under the Glastic and Mar-Bal tradenames.

Mar-Bal was founded by Scott's father, Jim, in 1970. Scott Balogh's brother, Steven, serves as vice president. The company has manufacturing operations in Chagrin Falls; Cuba, Mo.; Dublin, Va. and Taizhou, China, with a sales office in Shanghai.

- Source; Plastics News
- mar-bal.com

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Mar-Bal Fact:

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Mar-Bal, The One-Source Solutions provider of BMC Thermoset Composites, continues to research and formulate advanced materials, develop innovative products and has a portfolio of boards and proprietary products addressing composite solutions and enabling our customer's technology and success. Mar-Bal serves the appliance, electrical, industrial, food service and transportation industries from their four facilities in North America and their Asia sales office located in Shanghai, China.



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Shanghai, China



mar-bal.com



SCOTTDALE, AZ. Networking events under blue skies and palm trees included golf and a Cubs Spring Training game.



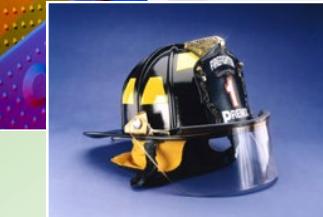
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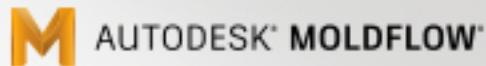


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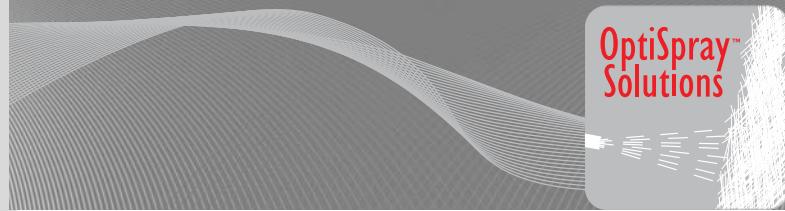
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