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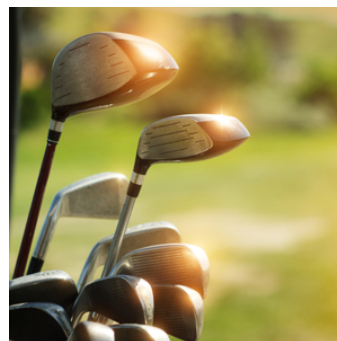
We've been busy! May offers important announcements, reminders and news from Milwaukee SPE.

Remember to Register for the July 12th MKE SPE Golf Event!

Schedule of events to include:

- Shotgun start
- Food Drive (Save those donations!)
- Lunch
- Sunset and Ballroom Bars
- Dinner, Prizes, Awards and more!

Get full details on our website at www.milwaukeeespe.org



INTEGRATED
ID DESIGN
SYSTEMS

Free Virtual Technical Event June 3rd MKE SPE Industrial Design's Evolution and its Effect on Plastic Design

Most of us have been in the plastics industry long enough to appreciate what comes together to successfully make *parts*. But what about making a successful *product*? Therein lies a whole other dimension with industrial design playing a significant role.

Register by June 2nd to get [access here:](#)

Did you know? You can post Job positions on our website! Please send your open positions to: milwaukeeespe@gmail.com

Congratulations Wonders of Plastics Essay winners!

The 2021 Milwaukee SPE "Wonders of Plastics" Essay contest winners have been selected. Thank you to: Todd Menna, Mary Kosarzycki and Ray Ciezki for judging this year's contest.

In the High School division - First Place \$250 and second place \$125 were awarded to students at Arrowhead High School. **In the Elementary School Division** - First place \$250 and second place \$125 were awarded to students at Kennedy Middle School.

An Opportunity for You

To nominate and honor a Plastics Industry professional woman or man who has achieved distinction working for the betterment of the Plastics Industry.

The Plastics Industry Association (Plastics) has established the prestigious award to honor the Association's prior leader, William R. Cardeaux, who lost his long hard fought battle with cancer on December 10, 2018. Bill was CEO of Plastics for 13 successful years. He was only 59.



Nominations will be accepted through June 30, 2021. For full information visit: www.plasticsindustry.org

Milwaukee SPE People In The News!

Wisconsin Engraving Company

and their Vice President, **Pete Kambouris** received some almost free publicity in the February 15, 2021 Issue of the Plastics News magazine. The article claims that Wisconsin Engraving is one of only very few companies practicing chemical, machine cut, and laser engraving methods.

In a companion article, Kambouris revealed the following specifications for machine cut electrodes: character height 0.060, raised surfaces 0.030 inches; zero draft angles, the diameter of the cutter is only 0.005 inches.



Pete Kambouris is a long time active member of the Milwaukee SPE Section. He served in various Sections' committees, but will always be remembered as Chairman of the very successful golf committee on which he served for 10 or 12 years. Pete also served as President of the Section and Chairman of the Board of Directors for a record of four terms. During his tenure as Chairman the Section received SPE's Star & Pinnacle Awards four years in a row. He also organized and led two Section sponsored motor cycle rides. Thanks for your help Pete!

Pete Kambouris and Wisconsin Engraving Co.

twitter.com/WIengraving
linkedin.com/in/petekambouris

Mold texturing and engraving is usually seen as an old-school corner of the industry. Pete Kambouris, vice president with Wisconsin Engraving Co., uses social media to tell the story about the skills and technology that go into that work.

"Tiny details are not only an exact science, but an artwork," he wrote in one recent post. "An electrode engraved using the traditional method will always be the most detailed. Wisconsin Engraving is one of the few industrial engravers in the world utilizing all methods; machine cut, laser and chemical."

Glenn Beall

Wisconsin Plastics In The News!



Pregis

Pregis LLC. is adding two new sites in Wisconsin. A film converting (bag) facility in Elkhorn, Wisconsin, and a bag filling and sealing machine assembly facility in Germantown, Wisconsin.

Pregis indicated this additional capacity was in part the result of the Covid-19 pandemic's influence on the shift from traditional in-store shopping to e-commerce purchasing.

Condensed from April 5, 2021 - Plastics News Magazine.

www.pregis.com



EPOXY EXPANSION FOR “THE ONE-SOURCE SOLUTIONS PROVIDER”: MAR-BAL, INC. MERGES ALTRASET COMPOSITE TECHNOLOGIES WITH LATTICE COMPOSITES’ ADVANCED EPOXY EXPERTISE TO EXPAND WORLD-CLASS CAPABILITY.

Chagrin Falls, OH–November 2020

In its fiftieth (50th) year as an industry leader—known as ‘The One-Source Solutions Provider’ and one of America’s fastest growing privately held companies and leading composite manufacturers in North America, Mar-Bal, Inc. (Mar-Bal: Chagrin Falls, OH) has recently merged its AltraSet Composite Technologies company with Lattice Composites (Riverside, CA). The integrated merger will expand Mar-Bal’s composite technologies to now include Lattice’s customized epoxy chemistry systems—providing a unique materials portfolio of polyester and epoxy resin compounds that is world class.



The ISO 9001: 2015 Registered Mar-Bal provides customers with comprehensive thermoset composite solutions—including part design, specialized material formulations, decorating, assembly, and customized automation. As a historical player in Polyester and Vinyl Ester resin based BMC materials, the merger with Lattice will create new opportunities for epoxy based products and material solutions for the composites industry—which are not available with any other material suppliers. This next-level of essential advanced epoxy technologies and products will include (but is not limited to):

1. SMC/BMC composite materials (Carbon Fiber & Fiberglass Reinforced)
2. Filament Winding resins
3. Prepreg Resin
4. Bulk and Film adhesives
5. Custom Materials and Process Solutions

Pulling their full scope of resources together, Lattice will be moving its advanced manufacturing equipment and experienced technical staff to Mar-Bal’s state-of-the-art AltraSet Materials Division compounding facility in Chagrin Falls, OH. Joining Mar-Bal’s VP of Materials Engineering, Larry Landis, will be Lattice founder and CEO, Ruchir Shanbhag, Director of Operations, Zach Melrose, and Process Engineer, Steve Stine.

According to Scott Balogh, President and CEO of Mar-Bal, Inc., “This merger has created the world’s leading provider of composite materials solutions. We have the ability to custom design, formulate, and manufacture a wide variety of composite materials to fit most any product application or manufacturing process. Our cultural alignment, common vision, values, and customer-centric approach makes us a valued partner in the epoxy resin based materials world.”

MAR-BAL / LATTICE / MERGER HORIZON:

Established in 2015 by Ruchir Shanbhag, Lattice Composites was created with the goal of changing the traditional paradigms of epoxy use when compared to other epoxy manufacturers—molecularly via Lattice’s highly qualified and experienced formulators. With a focus on basic resin packages that provide superior material properties when compared to other resin systems in the market, Lattice’s epoxy resin systems are also highly customizable to provide engineered solutions to fit the specific needs of each company.

According to Shanbhag, who is also a joint owner of the merged entity, “This is a “no brainer” merger, as the companies have been working collaboratively for many years. We needed to grow, and Mar-Bal’s cutting-edge manufacturing and composite material capabilities were aligned perfectly with our high-end epoxy performance expertise. We are now positioned as the only company in the industry that has both the materials and technology to bring unparalleled epoxy advantages to the equation for end-users including; lower cost structure, higher performance, and ease-of-processing.”

Mar-Bal’s Landis concurred on the merger synergy in stating, “This ‘joint-formulation’ merger opens up a flood gate of application possibilities that no one else on the market can do by making our own resins and selling epoxies. Chemical products for adhesives, filament winding resins, and epoxy for specialized composites for SMC and BMC compounds are now vertically integrated into the epoxy world.” Landis concluded that, “Our groups can now work together on integrating projects and equipment across three SMC chemistries—Polyesters, Vinyl Esters, and Epoxies.”

Mar-Bal President and CEO, Scott Balogh, concluded that, “The Lattice merger’s value proposition is more than just an epoxy value proposition. It’s about the people and the culture that we embody collectively via our “Total Value Commitment” philosophy. Ultimately, the ability to custom formulate to give the customer “speed-to-market” is what this team brings, as we are a highly competent and motivated group that thrives on solving problems for customers with the most economic solutions possible.”

For more information on Mar-Bal's line of products please visit www.mar-bal.com or contact us at: (440) 543-7526

For more information on Mar-Bal’s Lattice Composites products please visit: www.latticecomposites.com or contact us at: info@LatticeComposites.com

Corporate Profile: For over five decades Mar-Bal, Inc. has manufactured and engineered quality, customized parts and materials while delivering unmatched client cost-effectiveness through superior customer service and the Total Value Commitment. Mar-Bal, Inc. operates manufacturing facilities in Ohio, Virginia and Missouri. Detectable Warning Systems is part of the Mar-Bal, Inc. proprietary family of products. Headquartered in Chagrin Falls, OH, Mar-Bal, Inc. has been an innovative leader in the custom composite, molding and material manufacturing industry since its founding in 1970.

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