



Society of Plastics Engineers

BLOW MOLDING DIVISION

Vol 2016 Edition 1

32nd Annual Blow Molding Conference



Crowne Plaza Atlanta
Perimeter at Ravinia
October 3-5, 2016



<http://www.blowmoldingdivision.org/conferences/conference-2016/>



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Chairperson's Message



Dear SPE Members, Colleagues and Friends,

Welcome to the Spring/Summer edition of the SPE Blow Molding Division Newsletter.

Our Division took honors in the “SPE Plastics for Life Global Parts Competition” held at the recent ANTEC 2016 held May 23-25 in Indianapolis--an event that encompasses the latest technologies, processes, resins and trends around the plastics industry. This year's competition included entries from all SPE divisions, including five from the Blow Molding Division. Two of the six entries from our Division received top honors. You can see these submissions in the newsletter. I hope you'll join with us in congratulating all the entrants!

Conferences like ANTEC and our own Annual Blow Molding Conference offer a wonderful insight into the industry by showing us the latest innovations and advancements in the blow molding technologies, educational opportunities and industry contacts. Blow molding is a unique process offering many challenges and future opportunities with high technology requirements. Blow molded products are, and will remain, a part of everyday life in packaging, automotive, medical and industrial applications. We invite you to attend these events and welcome your contributions and ideas for new developments toward future successes.

We would also like to acknowledge our educational sponsors that help support or various educational activities. Many thanks go out to the following current sponsors for their continued support:

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Our 2016 Division Sponsors help make many of our Division objectives a reality. Through the financial support of our Diamond and Platinum Sponsors, whose company advertisements you see here in this newsletter and on our sponsor webpage, we are able to provide educational grants to students—the next generation of blow molding professionals and make it possible for them to attend the Annual Blow Molding Conferences. Last year, over 20 students attend ABC 2015 in Pittsburgh. Among them were several scholarship recipients and winners of the Division Student Design Competition. Our continued and sincere thanks to our sponsors for their generous support!

With an eye toward improving ways we can deliver news about the Division, our conferences and resources to the industry, our web committee has continued to make progress in modernizing our website, providing current information and improving the overall functionality of our webpages. I invite you to visit our website for current information about ABC 2016, our Division sponsors, how to submit entries to the Annual Parts Competition, and more. Visit www.blowmoldingdivision.org today!

And finally, our Annual Blow Molding Conference (ABC) will be held in Atlanta, Georgia, Oct. 3-5, at the Crowne Plaza Atlanta Perimeter at Ravinia. You'll find a preliminary program of speakers and topics in this newsletter as well a diagram of our nearly sold out exhibit hall!

I would like to add that we continue to appreciate your support to further educate and promote blow molding as a career path. We also appreciate your input regarding our conference program and your recommendations to help us deliver an insightful, informative event.

We always welcome technical reviews and educational articles as part of our Division newsletters that can be shared with our blow molding community. If you have questions about submitting an article, becoming a Division sponsor, or you simply need information about the ABC, please contact our Division Coordinator, Deirdre Turner at deirdremturner@gmail.com or call (248) 505-5136.

On behalf of the Blow Molding Division, I look forward to seeing you in Atlanta at ABC 2016!

Regards,

Jamie Pace

SPE Blow Molding Division Chair

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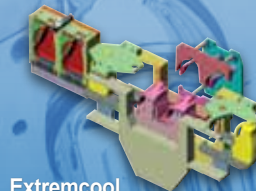
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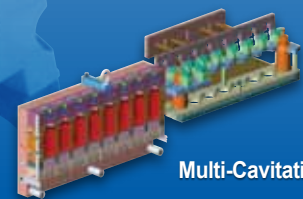
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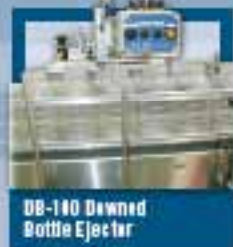
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Conference Speakers and Topics

Visit: <http://www.blowmoldingdivision.org/conferences/conference-2016-2/>

Plenary Session Speakers

Resin Market Update: The Impact of New Capacity! Joel Morales, Director of Polyolefins for North America, IHS Chemical

PET Packaging: The Dynamics of a Maturing Industry, John Maddox, President, SBACci

Millenials—What’s Going on in There? - A Panel Discussion, Dennis Gros, President, Gros Executive Recruiters

Sustainability, Ocean waste, Recycling, etc., Rudy Underwood, Vice President of State Affairs and Political Mobilization, American Chemistry Council

Featured Presentations Offered: (Packaging, Industrial and Materials)

Engineered Automation Solutions for Packaging / Blow Mold Industry, Siva Krish, Sales Manager, Proco Machinery, Inc.

Panel Discussion on Advancements in Secondary Automation and Manufacturing

John Lambert, Sales Manager, INTRAVIS, Inc., Scott Heins, Director of Sales & Marketing, Air Logic Power Systems LLC, Speaker from Dyco

High Output Extrusion PET – Bekum America Corporation

Innovations in Printing and Additive Manufacturing, Jim Bednar, Business Development Manager, Rapid Prototype & Manufacturing

Foaming Technology for Blow Molding, Simon Dominey, Vice President, MuCell Extrusion

What it Means to Be Sustainable and How to Get There, John Standish, Technical Director, Association of Postconsumer Plastic Recyclers

Increased Recycled PE Content While Maintaining Quality (Going Green Without the Pain), Chris Ernst, President, Advanced Blending Technologies

Plastic Fuel Tank Deformation in the Post Blow Molding Phase: Warp and Shrinkage Tolerance Issue

Dr. Mohammad Usman, Analytical Product Engineering PowerTrain Installations, Ford Motor Company

Mechanical Properties of Trilayer Foam Blow Molded Containers in Comparison to Solid Wall Containers

Wolfgang Meyer, President, W. Muller USA, Inc.

Foaming Agents for Blow Molding, Sergey Bobrov, Senior Scientist, POLY-WERK, LLC

Applications in Foaming Technology: A Case Study, Jodok Schaeffler, General Manager, Alpla

Software to Predict Parison and Sheet Formation in Industrial Extrusion Blow Molding Processes – Automotive Case Studies

Dr. Zohir Benrabah, Anna Bardetti, National Research Council Canada – Automotive and Surface Transportation

New Innovations on the Machine Side of 3D Printing, Jay Long, Event Marketing Manager, Stratsys

Electric vs. Hydraulic Machines, Eberhard Beck, Design Manager, Hesta Blasformtechnik GmbH

Minimizing the Energy Costs Associated with Drying PET, Peter Stoughton, Owner, Stoughton Drying Services

Composite Tank Manufacturing, Chuck Flammer, VP Sales NA, Kautex Machines, Inc.

[Continued on next page](#)

Speakers and Topics Cont.

What's Next in FEA and Simulation?, Romil Tanov, Technical Expert, Dassault Systemes Simulia Corp

Simulation and Modeling Topic TBD, Sumit Mukherjee, Director of CAE and Simulation, Plastic Technologies, Inc.

Can XCT-CMM Technology Benefit the Blow Molding Industry?, Kevin Legacy, CT Product Manager, ZEISS Group

Useful Tools for Productivity Improvement

Steve Schroeder, Global Business Manager-Plastics, Eurotherm by Schneider Electric

Industrial and Automotive Manufacturing Design – A Panel Discussion, Erik Skov, Rubbermaid Newell, Eberhard Beck, Hesta Blasformtechnik, Ken Carter, John Deere and other invited panelists.

Charles K. Sewell—“The Legend”, John Sewell, CEO, CKS Packaging, Inc.

Understanding the Blow Molding Processes: *(The always popular 101's are back!)*

Funds. Of Polyolefin Structure/Property Relationships in Blow Molding Applications

John Sugden, Senior Research Scientist, The Dow Chemical Company

Innovations in Additives and Calcium Carbonates, Jason Riggs, Product Development Manager, Heritage Plastics, Inc.

Engineering Thermoplastics - Lew Ferguson, Owner, PARISONS

Overview of Accumulator Heads - Chuck Flammer, Director, Packaging R&D, Kautex Machines, Inc.

Stretch Blow Molding – One Stage - Speaker from Nissei ASB Company

Stretch Blow Molding – Two Stage - Speaker from Plastic Technologies, Inc.

Shuttle Blow Molding Technology - Speaker from Bekum America Corporation

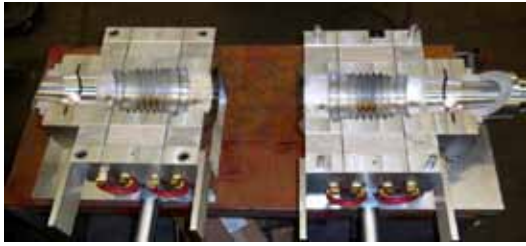
Color 101: How to Communication about Color with Your Team and Your Supplier – Paul Palcko, Color Specialist Coordinator, Technical Coordinator, Riverdale Global

Commercial Viability of Bioplastics, Scott Steele, President, Plastic Technologies, Inc.

Overview of Inspection for Complete Lines – Mike Coy, Marketing Manager Pressco Technology Inc.



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MoldMAX V®	Copper Nickel Silicon Chrome	28 Rc	Injection & blow molds			



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Up to \$600 per person is available to attend an SPE Blow Molding Conference, an SPE Seminar in Blow Molding, or other program applicable to blow molding.

Eligibility Criteria:

1. The employee must be a full-time employee of one of our member companies (having at least one current member of the SPE Blow Molding Division).
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4. The employee must have company recommendation and support.
5. Costs exceeding \$600 will be the responsibility of the employee or employer.

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1. Submit a request to the Blow Molding Division at the following address:
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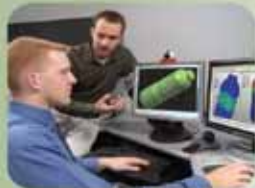
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Five entries from the ABC 2015 Blow Molded Parts Competition were submitted to the **SPE® Plastics for Life™ Global Parts Competition at ANTEC® 2016**

The Blow Molding Division won two of the six awards this year!

Congratulations

to FGH/Veriblend and Bekum America Corporation/Carson Jone/SureCan for winning the Plastics for Life Global Parts Competition Awards.

Eric Hohmann accepted the Plastics for Life Award in the *Quality of Life* Category for the Variblend 30ML Dispensing Bottle



Bekum America Corporation and Carson Jones, SureCan entered the 2.2 Gallon gas can and were awarded the *People's Choice Award*



Lew Ferguson, Blow Molding Division Parts Competition Chair, accepting the Plastics for Life Award People's Choice Award for Bekum America Corporation and SureCan.

[Continued on next page](#)

The other entries from the Division included:

Big Daddy Decoys – Drake & Hen Mallard

*Submitted by: Andrew Hobson,
Hawkeye Preferred Tooling Group*



John Deere Left & Right Hand Backhoe Fender

Submitted by: Ken Carter, John Deere



Replenish 3 oz Pod

Submitted by: Eric Hohmann, FGH Systems Inc.



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**BOD Winter Meeting held at South Seas Island Resort
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Committee Meetings January 26, 2016

Executive Committee (met from 7:00 –8:30 am)

Attendees: Ben Lopez, Dr. Geoff Ward, Jamie Pace, Cal Becker, Dr. Surendra Agarwal, Scott Steele, Ron Puvak, George Hurden

Topics Discussed:

- Ben L. to move accounts from Charles Schwab to Wells Fargo and take advantage of electronic payments, etc.
- Upcoming vote for ABM Rashid and Pat O’Connell (need Pat’s paperwork)

A.I. Ben to put together milestones/timeline for Treasurer transition.

Board of Director’s General Session Meeting January 27, 2016

□ **Call to order at 8:40 am**

BOD Members present:, Ben Lopez, Gary Carr, Dr. Geoff Ward, Lew Ferguson, George Hurden, Jamie Pace, Cal Becker, Dr Surendra Agarwal, Dale Klaus, Ron Puvak, Scott Steele, George Rollend, Pat O’Connell, ABM Rashid, John Headrick, Don Maines, Rama Etekallapalli and Ken Carter

BOD Members Excused: Mohammad Usman, Brian Spence, David Hayward, Kathy Birchmeier, Mark Heitker, John Rathman and Henry Vogel

Board Candidates/Visitors: Pat O’Connell, ABM Rashid and Deirdre Turner, Program Coordinator

□ **Introductions & Welcome to the BOD – Jamie Pace**

1. Welcomed all Board Members
2. Reviewed SPE Meeting Anti-Trust Guidelines
3. Welcomed board candidates

□ **BOD Agenda / Motions**

1. A Motion to accept the minutes of the last meeting was made by Ron Puvak, 2nd by Don Maines unanimous approval by Board majority.
2. A Motion to accept board candidates ABM Rashid and Pat O’Connell to the D30 Board of Directors by Ben Lopez , 2nd by George Hurden, unanimous approval by Board majority.

□ **Treasurers report – Ben Lopez**

1. Reviewed the treasurers report
 - A motion to approve the Treasurers report with correction was made by Ron Puvak, 2nd by Cal Becker, approved by BOD majority

□ **Marketing Review/Report-** Information Provided By George Rollend

1. Reviewed the Marketing report
 - a. Membership is down - membership is not a requirement to attend ABC
2. BOD members must be SPE members in good standing
3. Discussion about value of SPE membership

A.I. Henry Vogel to check with SPE for “Board Rate” for membership fee.

A.I. Henry Vogel to provide Deirdre with contact info. on lapsed members for follow up

□ **Website Committee:**

1. Move Google Drive records to website & close Google Drive account.

A.I. Ron Puvak to look into having individual log-ins for website.

- A motion to approve the Marketing report was made by Cal Becker, 2nd Scott Steele, all in favor.

Continued on next page

□ **TPC Committee-Dr. Surendra Agarwal**

1. Reviewed the TPC report
 - a. Rama Etekallapalli replaces Kathy Birchmeier for Antec Co-Chair
 - A motion to approve the TPC report by Ken Carter 2nd , George Hurden approved by BOD majority

A.I. Ken Carter to follow up with Antec Papers & BOD meeting rooms.

□ **Education Committee – Dr. Geoff Ward**

1. Reviewed the Education report
 - A motion to reimburse Lew Ferguson for \$250.00 in personal cash spent for parts competition was made by Dr. Surendra Agarwal, 2nd by Gary Carr. All in favor.

A.I. Ben Lopez to reimburse Lew Ferguson \$250.00

- A motion to approve the Education Report without revision by Dr. Surendra Agarwal, 2nd by Rama Etekallapalli approved by BOD majority

□ **New Business**

1. Discussion to expand Emeritus Status Membership to limit (6). Ben Lopez
 - A motion was made by Ben Lopez to increase Emeritus Membership to (6), 2nd by Don Maines, all in favor.

A.I. Ben Lopez to update policy manual.

2. Discussion by Ron Puvak regarding status of Strategic Planning.
3. Scott Steele discussed information from SPE (Russell) regarding data on education, training, SPE programs and website.

□ **ADJOURNMENT:**

1/27/16 11:52 a.m. Motion to adjourn by Dr. Surendra Agarwal, 2nd by Rama Etekallapalli Approved by BOD

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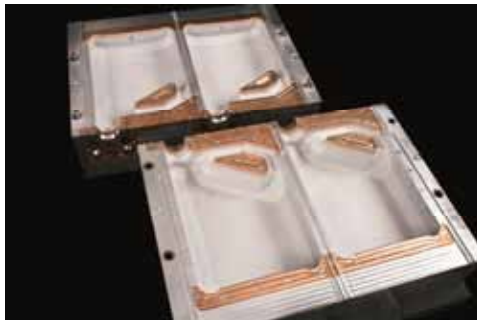
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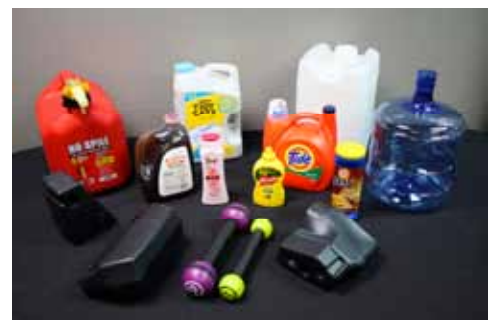
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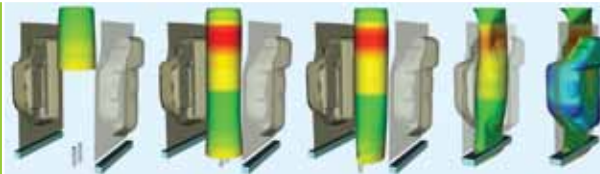
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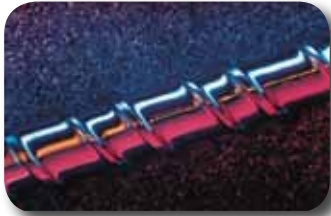
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ABC 2016 Blow Molded Parts Competition Entry Form

Entry Deadline: September 24, 2016

Shipment Deadline: October 1, 2016

As the premier event for the blow molding industry, the Annual Blow Molding Conference showcases the latest advancements and innovations in blow molding design and applications. This year, the SPE Blow Molding Division invites all conference attendees, speakers and sponsors to participate in the **Third Annual Blow Molded Parts Competition**.

Product Entry Submission Form

Submitter / Attendee*: _____

Submitter Company Information*: _____

Part Name*: _____

Manufacturer / Blow Molder: _____

Designer / Other Contributors: _____

Mold Maker / Toolmaker: _____

Material Supplier / Resin Type: _____

Address*: _____

City: _____ State: _____ Postal Code: _____ Country: _____

Telephone*: _____ Mobile Phone*: _____ Fax*: _____

Email*: _____

Submitter signature and Release of Liability*: _____ Date: _____

Product Category: please check one

Packaging: Food Beverage Pharmaceutical Packaging Other

Industrial: Automotive / Transportation Consumer Goods Industrial Other

Shipping Information:

SPE Blow Mold Conference
PART COMPETITION
Crowne Plaza Atlanta Perimeter at Ravinia
4355 Ashford-Dunwoody Road
Atlanta, GA 30346
Tel: (770) 395-7700

Parts should be shipped no more than 2 business days in advance of event. Shipments will be delivered to the conference registration area outside of the exhibit hall. Each entry should be shipped with a completed return bill of lading form.

Submission Instructions:

Complete form on-line, save as pdf and return to:
parisonsblowmolding@gmail.com

- Submission form
- Display and judging information form
- Product image in a jpg format

The image and description should be suitable for publication. A separate entry form, description and photo will be required for each submission.

Contact: Lew Ferguson, Chair, Blow Molded Parts Competition
Email: parisonsblowmolding@gmail.com Tel: 313-506-4637



ABC 2015



BLOW MOLDED PARTS COMPETITION DISPLAY AND JUDGING FORM

Part Name:

Submitter / Company:

Part Description

[1 to 3 sentences]



Part Features / Benefits:

[include novel features of the part like, design, manufacturing, material application, parts consolidation, commercial implications, sustainability, safety, cost savings – up to 12 bullet points]





Photo of the Part:

▶ Please send a JPEG picture of the part as a separate file.



ABC 2016 Blow Molded Parts Competition Guidelines

1. Parts may be entered by any conference attendee, speaker or sponsor (up to two parts per participant)
2. All entries must include a plastic form utilizing the blow molding process in some portion of the product.
3. All submissions must be new to the market starting commercial production within the last two years and made from production tooling.
4. Parts must be able to fit on display table. If you wish to display a part large than 48 inches, please contact Lew Ferguson, parts Competition Chair at parisonsblowmolding@gmail.com to discuss.
5. A completed entry form, display and judging information form and a photo for each part must be sent to the Parts Competition Chair by **September 24, 2016**.
6. A Display Form will be provided by the Parts Competition Committee using information contained in the entry form.
7. The Judging Committee may consolidate parts in categories, if fewer than 4 parts are submitted in a category.
8. No electric power connections are provided. If needed, power may be arranged through the hotel by contacting meeting services at (770) 395-7700.
9. No business cards, marketing materials, laptop presentations, etc. may accompany the part in the display area. The display is intended to be an exhibit to encourage discussions and technology exchange. No sales or marketing activities in this area will be permitted; however, there are conference sponsor opportunities to do so (visit www.blowmoldingdivision.org)
10. All shipments must follow the mailing label format as indicated in Shipping Information on the application.
11. Submitters will be responsible for collecting, unpacking and setting up their parts in the Parts Competition area located outside the ABC 2016 Exhibit Hall. Set-up hours are Mon., Oct. 3rd from 8:00-5:00 p.m. **All displays should be set-up by 5:00 p.m. on Oct. 3rd.** For more information about shipping and retrieving your parts, please contact Shipping and Receiving at (770) 395-7700.
12. Submitters will be required to pack and prepare their parts for outgoing shipment by 5:00 p.m., Wed., Oct. 5th which marks the conclusion of the Blow Molding Conference. The SPE Blow Molding Division is not responsible for any unclaimed parts after ABC 2016 concludes.
13. The Blow Molding Division winners will be announced at ABC 2016 Awards Reception and Program on Tuesday, Oct. 4th at the Crowne Plaza Atlanta Perimeter at Ravinia.

RELEASE OF LIABILITY

Submission of an entry releases from liability, indemnifies and holds harmless the Society of Plastics Engineers Blow Molding Division, Directors, volunteers, employees or agents representing or related to The Society in part or whole. This release is for any and all liability for property losses and/or damage occasioned by, or in connection with any activity or accommodations for this event. Submission of an entry further agrees to abide by all the rules and regulations promulgated by the SPE Blow Molding Division and/or its affiliate groups or vendors throughout this conference event.

RELEASE OF PUBLISH

Submitters and individual category winners may receive publicity in trade journals or other publications. Submission of an entry constitutes acceptance of said publicity and confirms that the submitter has secured the necessary approvals to participate in the Blow Molded Parts Competition and to be featured in any subsequent publicity.



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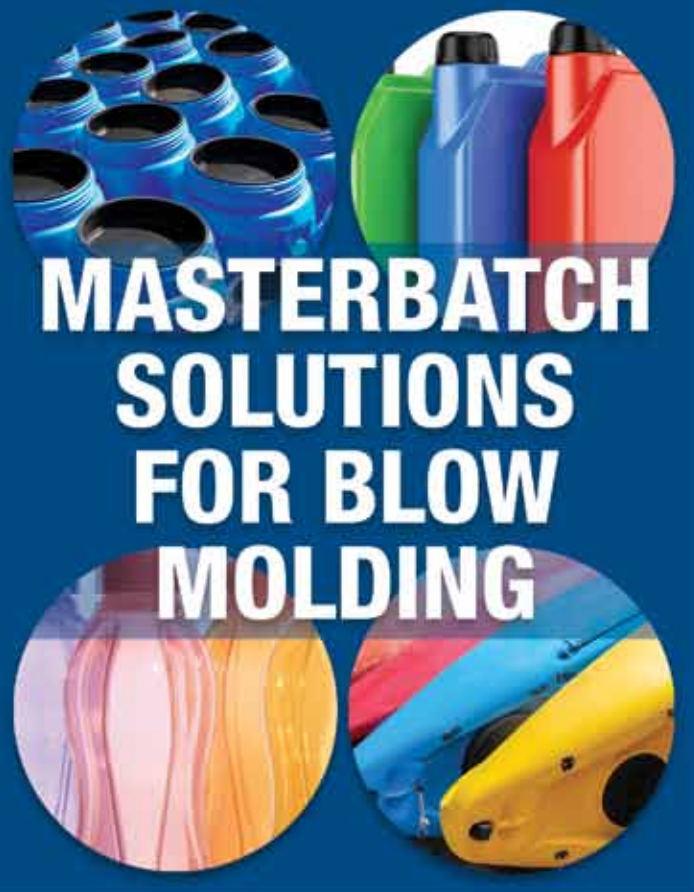
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Call or email Deirdre Turner, Conference Coordinator at:
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Division Sponsorship recognized at all Blow Molding Division activities.	✓	✓	✓
3 Division electronic format newsletter ads. Newsletter is placed on division's website (www.blowmoldingdivision.org)	One half-page (8 ½" x 5 ½")	One-half page (8 ½" x 5 ½")	One half-page (8 ½" x 5 ½")
Prominent posting on Sponsor webpage indicating sponsorship level and hyperlinked to your company's website.	✓	✓	✓
Division Education & Training Benefits			
Recognition of sponsor support for Division objectives for student education and assistance and training initiatives	✓	✓	✓
 ABC 2016 Conference Benefits			
Recognition as an ABC 2016 Conference Sponsor with prominent signage at event	✓	✓	✓
One tabletop exhibit space in ABC 2016 Conference Exhibits (\$900 value)		✓	✓
Includes full conference registrations to ABC 2016 (valued at \$600 per registration)	4	3	2
Company listed as ABC 2016 Conference Sponsor on webpage with hyperlink to company website.	✓		
Conference Sponsor will select a hospitality option (i.e. breaks, breakfast, luncheon, etc.) and will be provided with "Sponsored by" signage and display table placed at selected hospitality option for duration that option.	✓		
Conference Sponsor will be provided with 5 minute speaking opportunity* at the conclusion of the first General Session on the Day One of the ABC and will receive recognition from the Division chair at the beginning of the General Session. *Talking points to be approved by the conference co-chairs or Division chair.	✓		



BLOW MOLDING DIVISION SPONSOR FORM

Division Sponsorship (please indicate level)

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Please print company information exactly as it should appear in all publications

Company Name _____

Contact Name _____

Contact Title _____

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YES

NO

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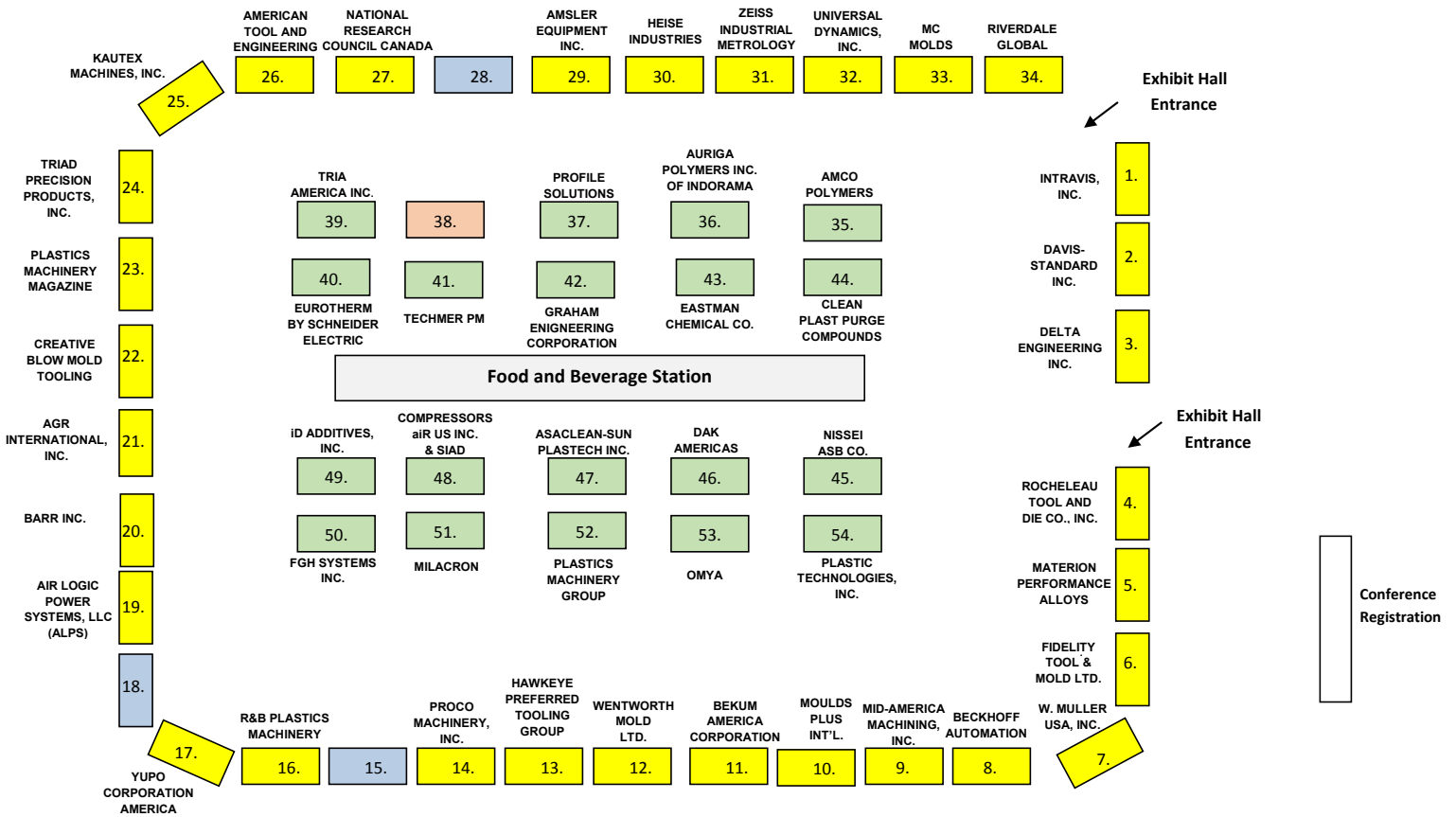
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Please complete form with payment info. and email to Deirdre Turner, Division Coordinator at deirdremturner@gmail.com. A paid receipt will be sent once payment has been processed. Questions? Contact Deirdre Turner at (248) 505-5136 or by email.



Exhibit Space includes: 1 - six foot table; skirted w/ table linen, 2 chairs, AC (at exhibitor's request).
 Exhibit/Display Materials can be shipped no more than two days in advance of event.
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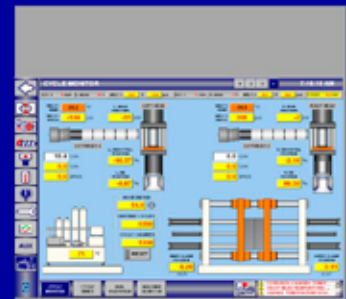


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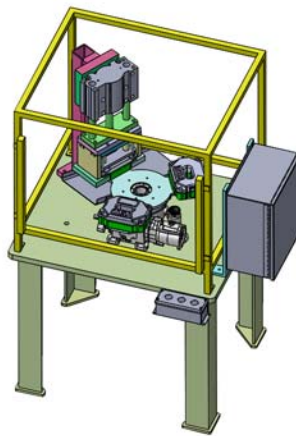
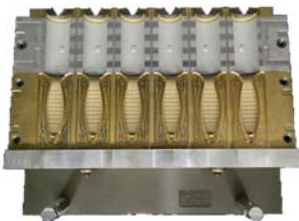
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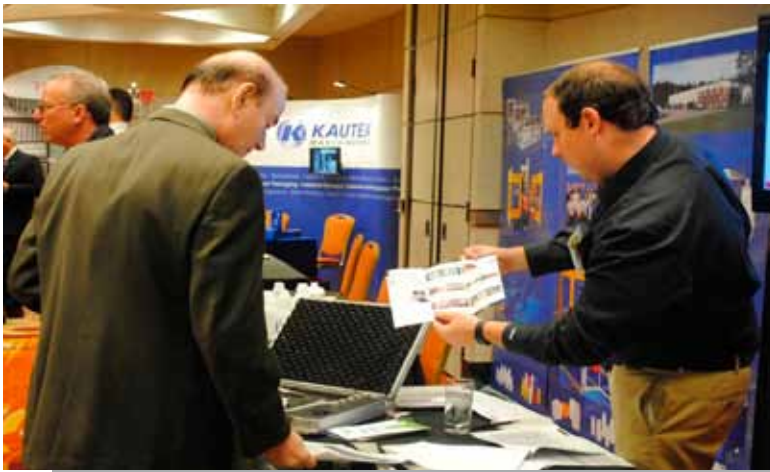
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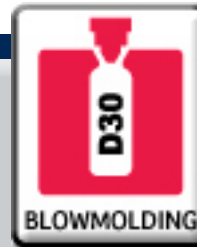
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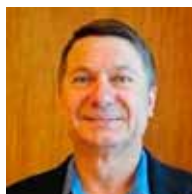
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