

SOCIETY OF PLASTICS ENGINEERS BLOW MOLDING DIVISION

Vol 2014 Edition 2



CHICAGO

*Innovating, educating and sustaining
the future of Blow Molding*

30th Annual Blow Molding Conference
October 6th & 7th, 2014
Chicago Marriott O'Hare
8535 West Higgins Road,
Chicago, IL 60631

The Chicago Marriott O'Hare will be the site of the 2014 Annual Blow Molding Conference. The largest city in the Midwest and centrally located, Chicago has a state-of-the-art airport with non-stop service to hundreds of cities across the U.S. and around the world.

Many plastic related businesses and manufacturing sites are within driving distance of Chicago making this an ideal location for the ABC.

Make plans now to attend this premier forum for the blow molding industry!

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Plenary Session Speakers:

How package design and development must be integrated: Peter Borowski, Head of Design, Kraft Foods

Blow Molding Resin Markets and the Impact of Shale Gas: Joel Morales, Director of Polyolefins for North America, IHS Chemical

How Blow Molding Companies Can Capitalize on U.S. and European Patent Law Changes: Harold Fullmer, Patent Lawyer, Woodcock Washburn

Navigating the intersection of regional blow molders and private equity: Ross Bushnell, President, and Convergence Packaging.

A few featured presentations:

When Density Challenges Downgaging – New Technology for EBM: Dr. Frédéric Dreux, Packaging Materials Technology Manager, Unilever

High Density Foam Reductions: Ken Carter, John Deere

A Case Study of the 89oz. Tropicana EBM ePET: Commercialization and Marketing: Nicole Green, Sr. Manager, packaging brand stewardship/lab services, PepsiCo

For more visit presentation information visit us at:
<http://www.blowmoldingdivision.org/presentations>

MOLD YOUR MIND!

Mold your Mind with our blow molding 101 sessions. These will be held on **SUNDAY October 5th from 1 to 5PM**



View our 2014 division sponsors online at:
<http://www.blowmoldingdivision.org/sponsors-2/>

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a member*
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For more information, to register or to make reservations visit the Division web site at: www.blowmoldingdivision.org



Chairperson's Message



Dear SPE Members, Colleagues, and Friends,

Welcome to the Spring/Summer edition of the SPE's Blow Molding Division's Newsletter. It's been a busy past few months for the Division and hopefully this forum helps share the NEWS!

First off, I'm pleased to share with each of you that The Society of Plastics Engineers, Blow Molding Division, was again awarded the Communication Excellence and Pinnacle Gold Awards by the Society at the ANTEC event in Las Vegas, NV. It was both an honor and a pleasure to accept the recognition on behalf of the entire Board of Directors at the awards luncheon with Chair-Elect, Mr. Jamie Pace. The two awards distinguish the Division's ability to meet or exceed the Society's requirements for "getting our message out" and overall performance as an independent entity in fulfilling our goals.

In addition to the aforementioned group awards, the Blow Molding Division, again was honored as one of our very own, Mr. Scott Steele, President of Plastic Technologies, Inc. was welcomed onto the short list of people to ever have been presented the self-defined Honored Service Member award for his time-tested outstanding contributions to the industry and the Society. Scott has held virtually every position on the Blow Molding Division board, including Chair, and also presently represents our best interests as the primary contact with National as Councilor. Congratulations to Scott and his family upon achieving this prestigious distinction.

After much hard analysis and difficult decisions, the Division's Education Committee has awarded the annual Carrie Fox Solin Scholarship Award to Mr. Samuel Moore who will be a junior at Pittsburg State University this fall to continue his education in the science of Plastics Engineering Technology. Samuel, along with the current CFS Scholarship recipient, Mr. Bryan Robinson, a senior at Penn College of Technology, will be invited to be recognized for their achievements at the ABC 2014. The Board encourages you to seek them out as they very well could be an invaluable member of your staff upon graduation.

As many of you know, the Blow Molding Division is hard at work organizing our own ANTEC, the Annual Blow Molding Conference (ABC). ABC 2014 will be our 30th consecutive year hosting our signature forum dedicated exclusively to all things blow molding and will be held October 5th through the 7th at the Marriott – O'Hare in Chicago, IL. Our event has grown in size and stature and is considered a "must attend" conference by many within the industry. Along with each Director, I encourage your attendance, sponsorship and participation and request that you check our website, www.blowmoldingdivision.org, as we finalize what has already shaped up to be an outstanding program.

This year's ABC theme is, "Innovating, educating and sustaining the future of Blow Molding." As the conference program highlights (included within this newsletter), over the course of the two and half day curriculum, this year's event will again bring together true industry veterans and experts willing to share their knowledge regarding the most current advancements in process control, equipment, materials and feed stocks, governmental regulations, recycling, colors & additives, etc. Presenters presently on the slate will be representing many firms considered pioneers and innovators including Unilever, PepsiCo, Braskem, Dow, R&D/Leverage, IHS Chemical, John Deere and many more.

In addition to the general and break-out sessions to which many have been accustomed, the Board is pleased to inform that "Plastic 101s" will again be conducted covering topics integral to the continued successful operations of all blow molding companies as will the Blow Molding Parts Competition that really seems to have taken root within the conference proceedings.

ABC 2014 truly presents the marquee opportunity to network with others that can also speak to how the blow molding process impacts our lives so dramatically by providing innovations and solutions across so many applications. Please visit our site to register or contact Deirdre Turner at dturner@earthlink.net as facility capacity will again surely be met.

I look forward to continuing to work with my fellow Board members to advance our goals. Hope you'll join us and share in the opportunity to lead, educate, inform and acknowledge all the great things about this unique industry!

Very much looking forward to seeing you in Chicago!

Best Regards,



Jeffrey Light,
Chairman - SPE Blow Molding Division

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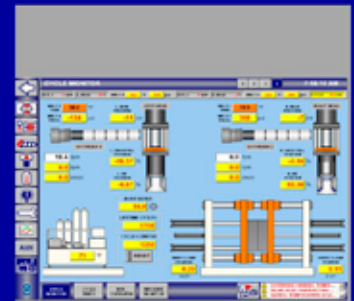


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30th Annual Blow Molding Conference
October 6-7, 2014
Chicago Marriott O'Hare
8535 West Higgins Road, Chicago, IL 60631

Keynote Speaker:

How Package Design and Development Must be Integrated
Peter Borowski, Head of Design, Kraft Foods

Plenary Session Speakers:

Blow Molding Resin Markets and the Impact of Shale Gas
Joel Morales, Director of Polyolefins for North America, IHS Chemical

How Blow Molding Companies Can Capitalize on U.S. and European Patent Law Changes
Harold Fullmer, Patent Lawyer, Woodcock Washburn

Navigating the Intersection of Regional Blow Molders and Private Equity
Ross Bushnell, President, Convergence Packaging

R&D Tax Credits:

Tax Savings for Innovation
Michael Devereux, II, CPA, Mueller Prost PC

Featured Presentations Offered: (Packaging, Industrial and Materials)

When Density Challenges Downgaging – New Technology for EBM
Dr. Frédéric Dreux, Packaging Materials Technology Manager, Unilever

High Density Foam Reductions
Ken Carter, John Deere

Recent Advances in Design and Manufacturing of Automotive Fuel Systems to Meet LEV III Requirements
Dr. Mohammad Usman, Manager, PowerTrain Installations (PTI) – CAE and Materials, Syed Ahmad, CAE Product Development Engineer, Ford Motor Company

Topicana ePET: A Journey to Clear Handleware Packaging
Nicole Green, Sr. Manager, Packaging Brand Stewardship/Lab Services, PepsiCo

Use of FEA and other Simulation Tools for the Design of Packaging
Ron McFarlane, Principal Engineer, Amcor Rigid Plastics

One American Firm's Transition from Hydraulic to Hybrid to Electric Blow Mold Machines to Reduce its Carbon Footprint
Bernard Graebener, President, Blow Mold Solutions (and representing MAGIC)

Effectively Reclaiming Blow Molded Scrap with Technologically Advanced Granulators
Bob Harrison, Midwest Regional Sales Manager, Wittmann Battenfeld, Inc.

Increasing Productivity, Improving Equipment Life Cycle, OEE – Maintaining Equipment Performance
John Headrick, Managing Director, Competent Solutions, LLC

Integrated Impact: The Power of Combining Engineering & Design
Jason Husk, Director of Business Development, R&D/Leverage

An Overview of PE BioPolymers
James Kahn, Commercial Manager Green Polyethylene, Braskem America

Suction Blow Molding for Aerospace Applications
Vince Lanning, R&D Program Manager, Hi-Tech Mold and Tool, Inc.

How Vacuum Deposited Coatings Benefit Blow Molding Molds, Feed Screws and Heads
Don Corbett, Sales Market Manager, Oerlikon Metco (US) Inc.

Hydraulic Drive vs. Electric Drive: Determining the Factors of Choice and Benefits
Dietmar Michels, Product Manager, Kautex Maschinenbau

The Role of Virtual Modeling in Development of Better Engineering Packages
Sumit Mukherjee, Director, CAE and Simulation, Plastic Technologies, Inc.

New Pre-Form Bottle Technology
Antonio Orru, Sales and Key Accounts Manager, SIPA

Additive Manufacturing (Laser) for Tool and Die Blow Mould Applications
Tony Paget, CEO, Garitech, Inc.

Overview of Plastics Molding Plant Energy Savings Strategies Including Government and Utility Rebate Programs
Clayton Penhalegon, Jr., President, Integrated Services Group, Inc.

Durability of Fluorinated HDPE Fuel Tanks
Dr. Iyer Prakash, Vice President R&D, Inhance Technologies

Optimizing Package Design for Performance and Reliability Using 3D Simulation
Dr. Romil Tanov, Technical Expert, CG-CPG Sales, Specialist, Dassult Systemes, Simulia NA

[Continued on next page](#)

An Overview of Support Plastics USA

Robert Schiavone, Global Marketing Director, R&D/Leverage

Bio Plastics Packaging, Cost, Availability: A Reality Check

Scott Steele, President, Plastic Technologies, Inc.

Proof of Principle: Bottle Design for Extreme Lightweighting CSD

Adam Stowitts, Product Manager for Plastic Technology, Kronos USA

Recycle Friendly Packaging Options: How to Satisfy the Client's Expectations

Lou Tacito, President, Plastics Forming Enterprises, LLC

Development of Blow Molded Plastic Fuel Tanks Performing at Higher Pressure and Vacuum Loads for HEV and PHEV Vehicles

Dr. Mohammad Usman, Manager, PowerTrain Installations (PTI) –
CAE and Materials, Syed Ahmad, CAE Product Development Engineer, Ford Motor Company

Comparison Between 2-Step and PF Series Highlighting Technology and Capabilities

Paul Atkin, Manager, Sales Coordination Team, ASB Company

Training Resources for Blow Molders - A Panel Discussion

Representatives from Ferris State University, Penn State Erie, Penn College of Technology, and other training providers

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

Tie Layers 101

Rachel Anderson, Research Scientist, The Dow Chemical Company

Start-up and Shut Down

David Calderone, President, Alternatives 4 Plastics LLC

Overview of Polyolefins

Robert DeLong, Vice President, Blasformen Consulting

Engineering Thermoplastics

Lew Ferguson, Owner, PARISONS

Overview of Accumulator Heads

Chuck Flammer, Director, Packaging R&D, Kautex Machines, Inc.

IBM: Process, Concepts and Applications

Ron Gabriele, Global Sales & Marketing Manager, Jomar Corp., Dr. Surendra Agarwal, Founder, Creative Group of Industries

An Overview of Recip Screw Technology

Dale Maddox, Process Engineer, Uniloy NA

Stretch Blow Molding – Two Stage

Donald Miller, VP, Director of Technical Services, Plastics Technologies, Inc.

Post-Finishing Work Cell (Automotive PFT)

Nicholas Durand, Director, Sales and Marketing, Axium, Inc.

Shuttle Blow Molding Technology

Joe Slenk, Applications Engineer, Bill Sellinger, Manager, Applications and Process Development,
Bekum America Corporation

Overview of PET

Jeff Wardat, Manager, New Business Development, Jennifer King, Product Development Manager, Auriga Polymers Inc. of INDORAMA

Overview of Screw Design

Timothy Womer, Owner, TW Womer & Associates LLC

Computer Management Maintenance Systems for Blow Molding

John Headrick, Director of Operations, Competent Solutions, LLC

Quoting of Blow Molding Parts

Gerry Hobson, Owner, Hobson Consulting, Ltd.

Bio-Plastics for Packaging 101—A Primer

Scott Steele, President, Plastics Technologies, Inc.

Blow Molding: Getting Color Right

Robert Trinklein, Product Manager, Colors, Colortech

Stretch Blow Molding – One Stage

ASB Company



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Make plans now to attend this premier forum for the blow molding industry!

Conference Highlights:

- Overview of North American resin markets
- Technical and business overviews
- Industrial and automotive materials and applications
- Packaging machinery optimization
- Nano-technology, 3D modeling, additive manufacturing
- Bio-polymers and their impact
- An unparalleled networking platform and exhibits

And much more...
visit www.blowmoldingdivision.org for updates.

Get Started Early:

**With Plastics Fundamental Sessions on
Sunday, Oct. 5th from 1:00 - 4:30pm.**

Start your conference experience early by attending comprehensive mini-sessions featuring instruction focusing on the technology, processes, troubleshooting and methodologies of blow molding. Led by industry experts, these sessions will provide invaluable tips, suggestions and solutions!

Sponsorship & Exhibit Opportunities

Support the Blow Molding Division as a Sponsor and participate in the conference exhibits, receive complimentary registrations, have a hot-link to your company from the Division website, inclusion in promotions and e-publications and more.

For more information about these opportunities and others, please contact ABC Conference Coordinator, Deirdre Turner at dcturner@earthlink.net



Blow Molding Division

presents the

30th Annual Blow Molding Conference
 October 6th & 7th, 2014
 Chicago Marriott O'Hare

"Innovating, educating, and sustaining the future of Blow Molding"

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Registration before October 6th, 2014
 Registration Fee: SPE Member \$475.00
 Non-Member \$595.00 (This fee includes a 1 year SPE Membership)
 Fee includes all materials, Breakfast, Lunches and Dinner (space limited)

easy registration online at:

<http://www.blowmoldingdivision.org/>

All Major Credit Cards Accepted

If you wish to pay by check, first register online then make check payable to SPE Blow Molding Division, sent with registration to:

Plastic Technologies, Inc.
 Attn: SPE Blow Molding Division
 PO Box 964, 1440 Timberwolf Drive
 Holland OH 43528-0964 USA
 Email: ABC@4spe.org

**Fees for Students, Press and other registration questions, please contact:
 Linda Flowers at 419-867-5424**

For more information, to register or to make reservations visit the Division web site at: www.blowmoldingdivision.org

abc 2014

Blow Molded Parts Competition

We are looking for new, innovative blow molding parts, commercialized within the last two years, for the *Second Annual Blow Molded Parts Competition*. All attendees, speakers and sponsors have an opportunity enter a part the Competition. Participate in the Conference at a different level by entering your best new commercial application. The Competition encourages an exchange of technology and concepts in designs, manufacturing methods, material applications, molding and sustainability. There are categories for both Packaging and Industrial Applications, as listed in the Entry Form.

Last year, there were eleven Packaging Applications and six Industrial Applications entries. The winners of the Blow Molding Division Packaging Applications (PTI - BrightPak Liquid Dispenser) and the Industrial Applications (Kautex - GM T172 Equinox C3LS Fuel Tank) competed with other SPE Division winners in the SPE International Parts Competition at ANTEC 2014. The PTI - BrightPak Liquid Dispenser won the Quality of Life Award and the Improving Life Award. A full list of the ABC 2013 entries and winners is on the Blow Molding Division website: www.blowmoldingdivision.org/partscompetition/

The Second Annual Blow Molded Parts Competition will be expanded to include a "People's Choice Award" for both Packaging Applications and Industrial Applications as voted by the ABC attendees. Some winning parts will be eligible to enter the International Parts Competition at NPE / ANTEC 2015. A Competition Committee is developing the categories, eligibility and other aspects of the competition.

A copy of the 2014 Blow Molded Parts Competition Entry Form includes the part information required and the Competition Guidelines.

Come to ABC 2014 and enter a part in the Competition – a great way to network and discuss your new application at the largest Conference devoted to Blow Molding.



ABC 2014 Blow Molded Parts Competition Entry Form

Entry Deadline: September 26, 2014

Shipment Deadline: Oct. 4, 2014

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 **Second 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
Chicago Marriott O'Hare
8535 West Higgins Road
Chicago, IL 60631
Contact: Ms. Lindsey Beirne, Senior Event Manager
Tel: (773) 714-4208

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:

Email the following to parisonsblowmolding@gmail.com

- Completed and signed entry and release 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 2014



BLOW MOLDED PARTS COMPETITION

DISPLAY FORM AND JUDGING INFORMATION

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]

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PHOTO OF THE PART:

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



ABC 2014 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 **Sept. 26, 2014**.
6. The Judging Committee may consolidate parts in categories, if fewer than 4 parts are submitted in a category.
7. No electric power connections are provided. If needed, power may be arranged through the hotel by contacting meeting services at 773-693-4444.
8. 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)
9. All shipments must follow the mailing label format as indicated in Shipping Information on the application.
10. Submitters will be responsible for collecting, unpacking and setting up their parts in the Parts Competition area located outside the ABC 2014 Exhibit Hall. Set-up hours are Sun., Oct. 5th from Noon-5:00 p.m. and Mon., Oct. 6th from 8:00 a.m. to Noon. **All displays should be set-up by 12:00 p.m. on Oct. 6th**. For more information about shipping and retrieving your parts, contact: Ms. Heidi Koppenhoefer, Senior Catering Sales Executive at (773) 693-4444.
11. Submitters will be required to pack and prepare their parts for outgoing shipment by 5:00 p.m., Tues.-, Oct. 7th which marks the conclusion of the Blow Molding Conference. The SPE Blow Molding Division is not responsible for any unclaimed parts after ABC 2014 concludes.
12. Submission of an entry permits the Blow Molding Division and the Society of Plastics Engineers to use part information and images in SPE promotions and publications and confirms the submitter has obtained approval to participate in the competition and publicity.
13. The Blow Molding Division winners will be announced at ABC 2014 Awards Reception and Program on Mon., Oct. 6th at the Chicago Marriott O'Hare. The winner will also be entered in the SPE Parts Competition at ANTEC 2015.

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.



wentworth mold

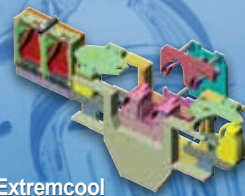
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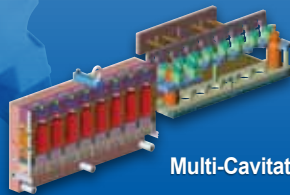
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Why Should You Become a Division Sponsor?

- Sponsorship provides educational grants to students—the next generation of blow molding professionals and provides support to attend the Annual Blow Molding Conferences.
- As a sponsor, you highlight your company's profile at the ABC while supporting the Division.
- Sponsors help recruit new members to the Division and support the Annual Blow Molding Conference.



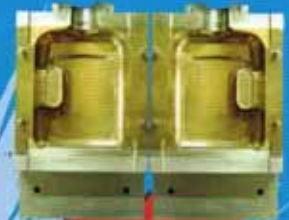
What's In It for You?

- You will increase exposure and brand awareness by showcasing your company's products and services.
- You will meet face-to-face and shake hands with your customers, decision makers, prospects and competitors.
- You will cultivate relationships and partnerships at the only event solely for the blow molding industry.
- You will have direct access to high profile industry leaders who are impacting the future of the industry.

Call or email Deirdre Turner, Conference Coordinator at (248) 505-5136 or dcturner@earthlink.net for information about sponsorship opportunities

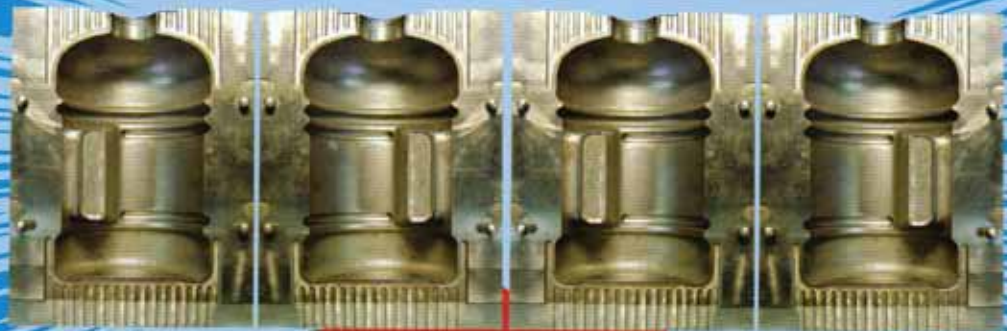


2 weeks



2 weeks

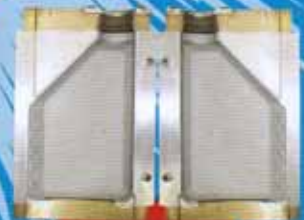
BLOW MOLDS



2 weeks



2 weeks



2 weeks



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SPE blow molding division receiving the Pinnacle award.



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Graham Engineering Corporation Continuing Education

Grant Program

The Blow Molding Division of the Society of Plastics Engineers and Graham Engineering Corporation co-sponsor a program for continuing education of blow molding industry workers. By making financial resources available to Blow Molding Division member companies, this program will assist more people in obtaining continued education in blow molding and improve their job-related skills.

Up to \$500 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).
2. The employee's job function must be blow molding related.
3. The employee's academic training must not be higher than Associate Degree.
4. The employee must have company recommendation and support.
5. Costs exceeding \$500 will be the responsibility of the employee or employer.

How to enroll:

1. Submit a request to the Blow Molding Division at the following address:
Agri Industrial Plastics
Attn: Geoff Ward
301 N. 2nd St
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geoff.ward@aipcompany.com
2. Include a letter of support from your company.
3. You will be notified of acceptance before the event that you wish to attend.

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2014 PE Pricing Market

by David Barry

To borrow a term from another industry, PE prices have reached cruising altitude in recent months, and there is no sign of a near-term descent. Meanwhile, the relatively volatile ethylene market has had little effect on PE prices one way or another, as PE supply and demand factors remain as the dominant driver.

Spot ethylene prices at the Williams hub in Mt Belvieu, Texas, have ranged between 51.25 cpp and 57.75 cpp during the first quarter. Prices spiked up to the high end of that range in April as turnaround season got underway along the Gulf Coast and Dow Chemical experienced unplanned cracker outages at its Plaquemine, Louisiana site.

The ethylene market retreated somewhat in May, but prices crept back up in June as delays emerged in several maintenance and expansion projects. Williams shook up the market when it announced the restart of its newly expanded Geismar cracker would be postponed until the end of July. The company cited “lower than planned construction labor productivity and other factors” in the one-month delay. Subsequently, spot ethylene prices at the Choctaw-Louisiana hub shot into the upper 60s cpp. LyondellBasell initially gave a mid-June estimate for the restart of its La Porte cracker, including an 800 million lb/year expansion, but that cracker remained offline during the last full week of June. Still, the expectation of these units returning to service has caused spot ethylene prices in the Mt Belvieu hub to retreat back to the 55-56 cpp range.

For HDPE buyers, one of the most significant developments of the second quarter was the reopening of the Evangeline ethylene pipeline, which connects olefins plants in east Texas to customers along the Mississippi river in Louisiana, including ExxonMobil’s Baton Rouge PE plant. ExxonMobil was allocating HDPE from the Baton Rouge plant since last August, and the allocations officially ended June 1. While this development was expected to bring more HDPE blow mold into the domestic market in June, the initial effect seems to have been an increase in export activity. Traders are seeing more prime and offgrade HDPE export activity in June, after 3-4 months of below-average export volumes. It helps that PE prices are firming up internationally, largely in response to higher crude oil costs.

Domestically, June PE contract prices appear on track for a fourth consecutive monthly rollover. While the producers’ pricing positions have shown few cracks in 2Q, there has also been little effort to push for further increases, indicating that suppliers are content with the status quo. That could all change if geopolitical events continue to stir up energy markets as the peak of the Gulf Coast hurricane season approaches.

Generic prime HDPE blow mold in the secondary market has been very steady around 76-77 cpp for railcar direct business and 78-80 cpp for bulk truck delivery. Lack of wide spec HDPE availability was frequently cited as a headache for domestic resellers during the second quarter. Resale prices for offgrade HDPE frac melt have stayed in a range of 70-75 cpp, depending on quality, although buyers occasionally found offers, mainly HDPE homopolymer, around 68-69 cpp.

The PE market seems to be bracing for more of the same, with snug supply balances affording producers a firm handle on pricing. The addition of 1.4 billion lb/year of ethylene capacity from the Williams Geismar and Equistar LaPorte expansion, along with the restart of the fire-damaged Williams capacity (1.3 billion lb/year), will likely bring a new dynamic to the ethylene market. Whether this will be enough to budge PE prices from their lofty perch is a question to be answered in the coming months.



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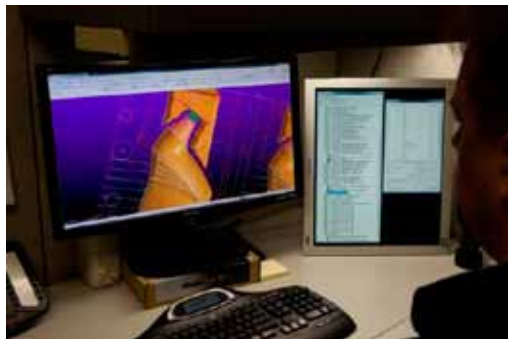
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Contributions to the Blow Molding Division Education Committee

Kautex Maschinenbau

contributed \$4000 to our general education fund

ALPLA

contributed \$4000 to our general education fund

Graham Engineering Corporation

contributed \$2000 for the Continuing Education Grant Program

CKS Packaging

contributed \$1000 to our general education fund

Nissei ASB

contributed \$1000 to our general education fund

W. Muller

contributed \$500 to our general education fund

Agri-Industrial Plastics Company

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BOD Meeting held at the Rio All-Suite Hotel & Casino Las Vegas

Committee Meetings April 29, 2014

Executive Committee (met from 8:30 – 9:45 am)

Attendees: Jeff Light, Ben Lopez, Dr. Geoff Ward, Scott Steele, Jamie Pace, Cal Becker, George Rollend, Gary Carr, Terry Glass, Mark Heitker and Dr. Surendra Agarwal. Visitors Jeff Ratzlaff National President & Kathy Schacht National Marketing.

Discussed:

- The financial effects of the new TOPCON policy for 2015 and beyond.
- Discussed New National TOPCON Committee.
- Reviewed Board Status for 2014 – 2015
- Support for the recommendation of the proposed 2014- 2015 Operating, Disbursement and Grant Fund budgets to BOD.
- Reviewed Division Sponsorship and cost to attend the annual blow mold conference.
- Discussed Newsletter quality and content and ways to improve by adding technical & business articles
- Reviewed Education 101 plans for the 2014 Annual Blow Mold Conference in Chicago
- John Ratzlaff and Kathy Schacht visited to introduce Kathy from National and discuss the following:
 - a) National website improvements, daily updates global exposure, focused on excellence!
 - b) New Committee formed from division members for Top Con
 - c) National Market Slides Available
 - d) National Parts competition discussion
- Discussed why our ABC is successful and continues to grow
- Terry discussed Metasoft system Inc and potential interest
- Jeff reminded us all the importance of meeting attendance and of our attendance policy.

Board of Director's Meeting Meetings April 29, 2014

□ **Call to order at 1:00 pm**

BOD Members present: Jeff Light, Terry Glass, Ben Lopez, Gary Carr, Piaras de Cléir, Dr. Geoff Ward, John Rathman, Randy Moynihan, Lew Ferguson, Don Peters, George Hurden, Scott Steele, Ken Carter, George Rollend, Jamie Pace, Mark Heitker, Cal Becker, Surendra Agarwal, and Brian Spence.

BOD Members Excused: Dale Klaus, Henry Vogel, Mohammad Usman, Ron Puvak, John Sugden, David Calderone, Gerry Hobson, Bob DeLong, Mike Hall, Bob Jackson and David Hayward

□ **Introductions & Welcome to the BOD – Jeff Light**

1. Welcome all Board Members
2. Reviewed SPE Meeting Anti-Trust Guidelines

□ **Communication of Awards**

1. Congratulations to Scott Steele for being an Honored SPE Service Member!
2. Highlighted the “Communication Excellence” and “Pinnacle Awards” from National

Scope of the National Awards

The Communications Excellence Award covers the broad scope and complexity of communications in today's information age. It is intended to recognize all types and forms of communications as opposed to being focused on one medium or method of communication and information delivery.

Continued on next page

It is not a competitive award. Rather, it is based on meeting or exceeding certain performance standards and accomplishment thresholds.

The SPE Pinnacle Award recognizes Sections & Divisions that work to create and deliver member value in four categories of achievement: organization, technical programming, membership, and communication.

- **Organization** – Maintaining compliance with Section/Division organizational guidelines & policies.
- **Technical Programming** – Providing quality technical programming to members.
- **Membership** – Developing and implementing plans that result in annual membership growth.
- **Communication** – Communicating effectively with members about SPE offerings and events to foster a sense of community and allow members to respond.

Review of last Meeting Minutes & Action Items – Cal Becker

1. Approved Minutes, reviewed updated action item list
2. A motion to approve the BOD Winter meeting minutes with no revisions by Jamie Pace, 2nd Surendra Agarwal, approved by BOD majority.

□ Reviewed and Updated BOD Slate

□ ABC 2014 Sponsorship Review - Information Provided By Deirdre

1. Reviewed the updated ABC 2014 Exhibit Floor Plan

□ Treasurers report – Terry Glass

1. Reviewed Operating Fund, Disbursement Fund, and Manning& Napier Grant Fund
2. A motion to approve 7-1-2014 thru 6-30-2015 Operating, Disbursement, and Grant Fund Budgets with no transfers needed by George Hurden 2nd Scott Steele, approved by all BOD.”

□ Councilor’s report review – Scott Steele

1. Concerns voiced about New Top Con Policy
2. Discussed New National Website
3. Nationals Globalization
4. Social Networking discussion, Face Book , Linked in
5. Division Is asking for content donations for a national Database

□ Education Committee – Geoff Ward

Geoff reviewed the committee report.

1. Grant Fund Discussions
2. Calhoun Community College Update.

A motion to approve the Education Report by Mark Heitker and 2nd by Piaras de Cléir, approved by all BOD.

□ Awards Sub Committee – John Rathman

1. 2014 Lifetime achievement award nominees’ discussion.
2. Need 2015 suggestions for Lifetime Achievement Award
3. John Rathman is looking to identify and continue the Update the HSM point’s sheet to identify nominees for 2014 Honored Service Awards.

□ TPC Marketing Committee Report – Gary Carr, George Rollend Co Chair, Surendra Agarwal

1. Reviewed Panel Discussion for ABC 2014
2. Reviewed Dakasourous Bottle handout @ ANTEC.
3. Discussed post cards, new era media and bottle flyers

❑ **Parts Competition Sub Committee – Lew Ferguson**

1. The board continues to believe this is an area to help drive continued learning, growth, recognition and new membership.
2. Discussed the need to update the rules for the parts competition

❑ **Membership Sub Committee – Submitted by Henry Vogel**

Membership in the Blow Molding division is growing.
A need to update the lapsed member list

❑ **Website subcommittee – Submitted by John Sugden**

Need to review the use of a calendar linked site

❑ **New Business**

- Desire to have Technical Articles for Newsletters
- Possible recognition for CKS
- Cal Becker to submit a draft of action Items to Board
- Many Thanks to those that stayed late to work on ABC Topic Matrix!

ADJOURNMENT:

4/29/2014 5:00PM Motion to adjourn by Jeff Light, 2nd by Gary Carr – Approved by BOD



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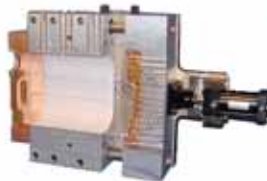
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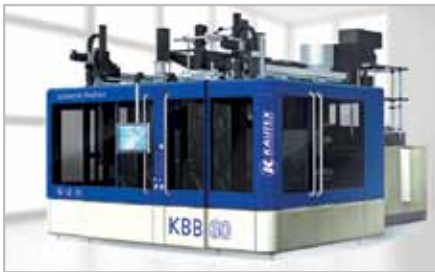
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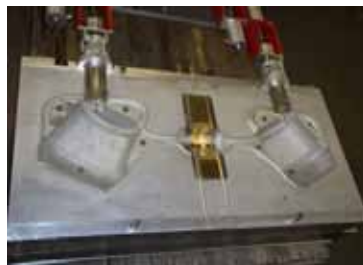
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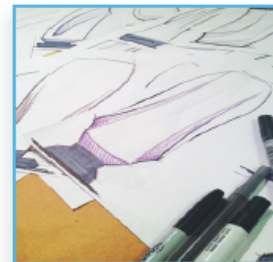
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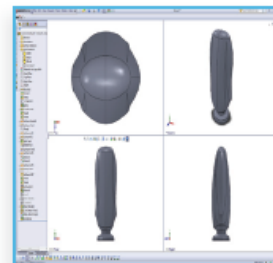
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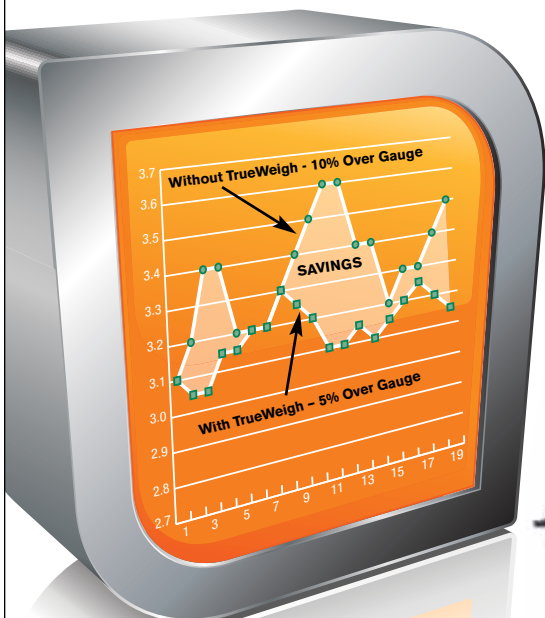
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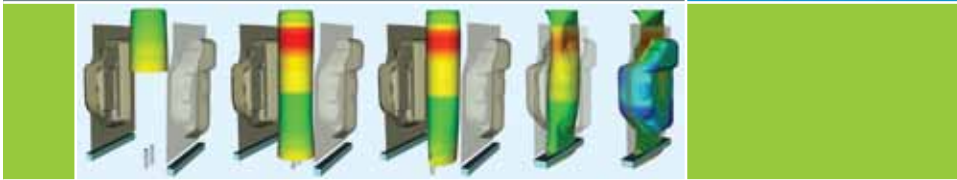
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