



SOCIETY OF PLASTICS ENGINEERS

BLOW MOLDING DIVISION

Vol 2014 Edition 1



30th Annual Blow Molding Conference

October 6th & 7th, 2014

INNOVATING, EDUCATING AND SUSTAINING THE FUTURE OF BLOW MOLDING

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!

Get Started Early. 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!



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Chairperson's Message



Dear SPE Members, Blow Molding Division Sponsors and Associates,

It is my pleasure to inform that at this year's SPE Annual technical conference (ANTEC), being held over 3 days, April 28-April 30, at the Rio All-Suite Hotel and Casino in Las Vegas, NV, the Blow Molding Division will be well represented and recognized.

Over the course of the much anticipated event, the efforts of the blow molding division will offer the opportunity to registrants to become exposed to several new innovations via the number high quality technical papers being presented during our sessions. Topics that will be covered include: new processing techniques for materials, process improvements, sustainability issues, and some theoretical new concepts as well. Presenters selected to participate in the blow molding segment of the ANTEC proceedings represent both industry and academia and come from many far reaching countries around the globe. Every Blow Molding Division Director encourages you to come, learn, share and spread the newest and most advanced information about the blow molding process and how increasingly important it is to the future of both the industrial and packaging segments of the processes impact to the global economy and planet earth.

In addition to sharing knowledge within the blow molding specific sessions, the ANTEC event plays host to a number of other opportunities to network. The Blow Molding Division has been awarded the opportunity to submit two blow molded parts for consideration into the SPE's Global Parts Competition – "Parts for Life" event. Entered as representatives of the Blow Molding Division, by nature of having won 1st place in our industrial and packaging categories respectively at the 2013 Annual Blow Molding Conference (ABC) is the GM T172 Equinox C3LS Fuel Tank submitted by Chuck Flammer, Kautex Machines, Inc. and BrightPak Liquid Dispenser with collapsible rigid inner liner, submitted by Ron Puvak, Plastic Technologies, Inc. Best of luck for these amazing products led by true industry leaders.

The Blow Molding Division itself as well as a long tenured Director, having served virtually every position possible on the Division will be recognized during separate, yet equally honored events. The Division had nominated Mr. Scott Steele of Plastic Technologies, Inc. for an individual distinction in the form of Honored Service Member. The SPE agrees with our recommendation and Scott's commitment as he will be formally recognized as an HSM at a special dinner in combination with the SPE Celebrates evening.

According to the Society, only 305 members prior to 2014 have ever been recognized as prominently for their dedication and excellence. The definition of HSM is, according to SPE Bylaws, "To be elected an Honored Service Member, a candidate shall have demonstrated long-term, outstanding service to, and support of, the Society and its objectives; shall be sponsored, in writing, by the Board of Directors of at least one Section or Division." Only 305 members, counting this inductee, have been elected to this prestigious status since it was established in 1992. Congratulations to Mr. Steele for his most recent accomplishment and many thanks to him for his leadership and commitment to the Division's continued success and growth.

The Blow Molding Division will again be recognized in having been awarded both the Pinnacle Gold and Communication Excellence awards. These honors recognize this Board's level of commitment to successfully creating and delivering member value after having been reviewed in four categories as well as having met additional criteria in implementing effective communication practices. Congratulations to the entire Board for their collective commitment.

As we turn our focus to "post-ANTEC" goals, I'm pleased to share that this Board has already been hard at work laying the foundation for ABC 2014, which will be held in Chicago, October 5-7, at the Chicago Marriott O'Hare. Given the theme of ABC 2014 - ***Innovating, educating and sustaining the future of Blow Molding!***, it should come as no surprise that not only have a number of "hot" or "new" topics been identified, a large number of industry leaders in these fields have been secured for their participation and presence. This Board is excited as ever to continue the recent trend in the success of our ABC's in terms of quality, organization, networking and communication, and providing member value.

On behalf of the current 2014 SPE Blow Molding Division, we thank you for your participation, look forward to seeing you at ANTEC, as well as finalizing ABC 2014 for later in the year in Chicago. Please contact our Conference Coordinator, Deirdre Turner, @ dturner@earthlink.net or check our website @ www.blowmoldingdivision.org for updates to our calendar, plans and for all concerns blow molding.

Best Regards,

A handwritten signature in cursive script that reads "Jeffrey Light". The signature is written in dark ink and is positioned above the printed name.

2014 SPE D30 Chair

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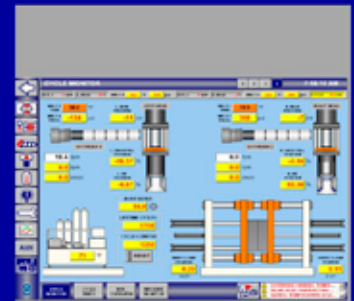


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A common lament heard from PE buyers is that they haven't seen a price decrease since November 2012. Meanwhile, competition in downstream markets is heating up, squeezing processor margins. By contrast, PE producers are benefitting from a rare combination of low feedstock costs on one hand and strong resin pricing leverage on the other.

Since late 2012, HDPE contract prices have increased by 20 cpp and spot prices have followed. For example, offgrade HDPE BM in the secondary market was around 55-56 cpp railcar delivered in late 2012 and recently has been selling as high as the mid-70s cpp. Generic prime HDPE BM has been selling in the upper 70s cpp and even low 80s cpp bulk truck delivered.

Both improving demand and tighter supply/demand balances have contributed to the recent sellers' market in PE. Industry statistics show that US and Canadian producers increased their overall sales by 2% in 2013.

Export sales were the main driver, with sales growth around 8% in 2013. US trade data showed 2013 PE exports were higher to key markets like Mexico, Brazil and China. A large portion of the export sales push came in December, when producers sold upwards of 900 million pounds to export, the highest monthly volume since 2009. However, it has taken the export channels some time to digest that material, and the pace of discretionary export sales has slowed in February and March. China's market remains in the doldrums and converters in Mexico are grappling with the effects of new tax regulations.

By most accounts, domestic PE sales have been robust in the first quarter of 2014. However, slower secondary market activity in March and a lack of widespread producer support for April price increase initiatives could signal that the historically high PE prices are running into resistance.

From a supply perspective, the overall industry operated well in 2013 despite a handful of supply allocations and force majeure events. 2013 PE output for US and Canadian producers was the highest of any year since 2007.

Two major outages - the William Geismar olefins unit and the Evangeline ethylene pipeline - are expected to conclude sometime in the second quarter of 2014. The most recent guidance for the Geismar restart is June, and the Evangeline outage is likely to last through April. Both outages have contributed to shortages of ethylene in Louisiana, with Choctaw system ethylene averaging a 15 cpp premium to Mont Belvieu in February. The Evangeline pipeline outage has also forced ExxonMobil to curb HDPE production at the Baton Rouge plant. Allocations have been in place since August 2013.

With the cracker turnaround season getting underway in April and a number of PE supply allocations still in play, the market could remain balanced or even tight in the near term. However, producers' asking prices for export in March were several cents above competitive levels, and international traders have focused their sourcing efforts in other regions. If international PE markets remain soft and the US PE industry is able to operate consistently at high rates, the domestic market will come under greater downward pressure.



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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!

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

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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

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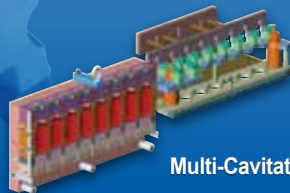
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SPONSORSHIP OPPORTUNITIES



30th Annual Blow Molding Conference and Exhibits
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We are currently accepting Sponsorship Registration Forms for ABC 2014 Exhibits

Sponsorship Levels Include:

	Diamond Sponsor	Platinum Sponsor	Gold Sponsor
Sponsorship opportunities	\$2,800	\$1,800	\$500
Recognition as Conference presenting sponsor, with prominent signage at event	✓		
Sponsorship recognized at all Blow Molding Division activities.	✓	✓	✓
Marketing benefits			
3 Division electronic format newsletter ads. Newsletter is placed on division's website (www.blowmoldingdivision.org)	One-half page (8 1/2" x 5 1/2")	One half-page (8 1/2" x 5 1/2")	
Ad posted on Blow Molding Division website with <i>hotlink</i> to your company's website	✓	✓	✓
Conference benefits			
One tabletop exhibit space in ABC 2014 Conference Exhibits (\$600 value)	✓	✓	
One hospitality sponsorship at ABC 2014 with corporate recognition (\$1200 value)	✓		
Includes registration for 1 booth person; 2 attendees (\$1785 value) to ABC 2014.	✓		
Includes registration for 1 booth person; 1 attendee (\$1190 value) to ABC 2014.		✓	

Space is limited. Call or email Deirdre Turner for a Registration Form and Current Floor Plan or to discuss other Sponsor Opportunities such as coffee breaks, receptions, Wi-Fi, luncheons, breakfast and refreshment breaks.
 Tel: 248-505-5136 or Email: dturner@earthlink.net





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



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CALL FOR PAPERS

The ABC 2014 Conference Co-Chairs are currently accepting submissions for technical presentations for the 31st Annual Blow Mold Conference on such topics as:

- Emerging, innovative technology
- Sustainability initiatives and case studies
- Renewable/Biopolymers developments
- Barrier technology enhancements
- Developing Materials/Additives
- Product Design and improved functionality
- Processing and machinery developments

Submission Deadline is Feb. 5, 2014 at which time conference co-chairs will review your abstract, consider its relevance to the technical program and send you an email response once the review is completed.

Please complete the following information:

Working Title of Presentation:

3 points describing your presentation:

Describe you presentation topic in more details or email an abstract:

Please complete the following:

Name: _____

Title: _____

Company Name: _____

Street Address: _____

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Abstract Deadline is Feb. 5, 2014
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- **Plastics Race** - See Las Vegas through the eyes of a plastics engineer as you team up and roam the Vegas Strip to compete for some awesome prizes!
- **Panel Discussion** - Participate in a lively discussion, ask your industry questions, and gain the knowledge you've been looking for including career tips and tricks relevant to you, not that generic advice you find online.
- **Celebration Dinner** - Network over an enjoyable dinner with your fellow peers, future associates and industry veterans. Prizes, awards and more!
- **Mission Possible 2.0** - Your chance to make ANTEC 2015 and SPE what you want it to be.
- **Speed Interviews** - Sharpen your skills at on-site screening visits with prospective employers.

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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
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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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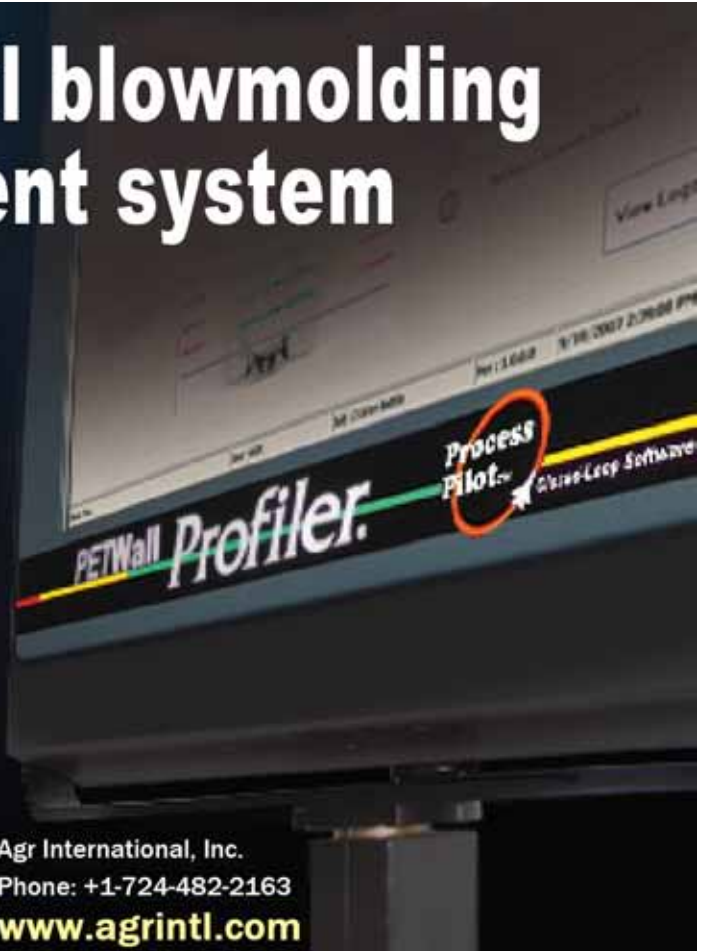
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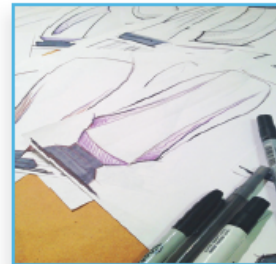


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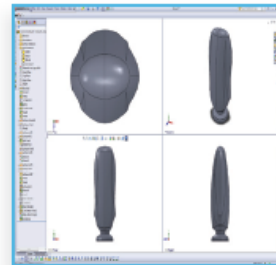
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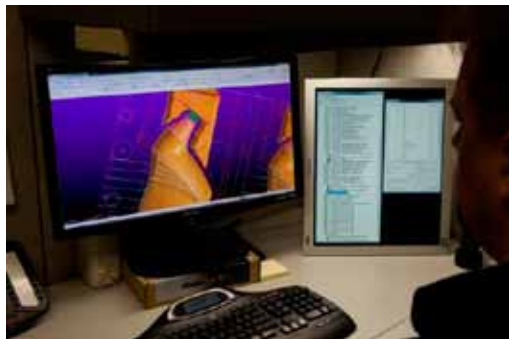
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Contributions to the Blow Molding Division Education Committee

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

contributed \$500 to our general education fund

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February 7, 2014 SPE D30 Winter Board of Directors Meeting

BOD Meeting held at the Parc Soleil Hilton Suites Orlando FL.

□ Call to order at 1:00 pm

BOD Members present: Ben Lopez, Gary Carr, Ron Puvak, Geoff Ward, John Rathman, Randy Moynihan, Lew Ferguson, George Hurden, John Sugden, Scott Steele, Ken Carter, George Rollend, Jamie Pace, David Calderone, Mark Heitker, Gerry Hobson, Cal Becker, Bob Delong, Surendra Agarwal, Mike Hall, Bob Jackson.

On Video Conference: Jeff Light, Terry Glass (due to inclement weather)

New Board Candidates: Brian Spence, David Hayward

BOD Members Excused: Dale Klaus, Henry Vogel, Mohammad Usman, Don Peters, Piaras de Cléir

□ Introductions & Welcome BOD and New Candidates – Jeff Light

- 1) Reviewed SPE Meeting Anti-Trust Guidelines
- 2) Welcome David Hayward as new Board Candidate
- 3) Welcome Brian Spence as New Board Candidate

□ Introduction and Board Vote to accept New Board candidates - BOD

David Hayward
Brian Spence

A motion to approve David Hayward and Brian Spence as new Board members by Gary Carr, 2nd Mark Heitker, approved by BOD majority.

□ Review of Last Meeting Minutes & Action Items – Cal Becker

- 1) Approved ABC 2013 Minutes, reviewed updated action item list and updated roster.
A motion to approve ABC 2013 BOD meeting minutes with no revisions by Bob Jackson, 2nd Jamie Pace, approved by BOD majority.

□ ABC 2014 Sponsorship Review & Walk Thru - Ron Puvak

- 1) Reviewed the ABC 2014 plan Layout and Sponsor report – Ron Puvak
- 2) 2014 ABC Chairs Ron Puvak, Cal Becker, Surendra Agarwal and Gary Carr

□ Technical Program Committee report – Surendra Agarwal

We reviewed the report submitted by Dr. Agarwal.

- 1) Discussed the need for strong technical papers and speakers for ABC 2014

□ Treasurers report – Terry Glass via teleconference

Reviewed the report submitted by Terry Glass.

- 1) Budget approval to be voted on at the Antec D30 Blow mold Board Meeting
Motion to approve no transfers needed as of 2-6-14 by Jeff Light, 2nd Jamie Pace, approved by all BOD.

□ Councilor's report review – Scott Steele

Reviewed Report Submitted by Scott Steele in December

- 1) Concerns voiced and discussed about Proposed Top Con Policy

□ Education Committee – Geoff Ward

We reviewed the committee report submitted by Dr Ward.

- 1) Discussion on using the Carl Ring contribution for education
- 2) Technical training program – Calhoun Community College launch.

Continued on next page

□ **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 to update the HSM point's sheet to identify nominees for 2014 Honored Service Awards.

Motion to approve the Education and Awards report by Jeff Light,
2nd by George Herndon – approved by majority of BOD

□ **Marketing Committee – Gary Carr, George Rollend Co Chair**

We reviewed the committee report submitted by Gary Carr

- 1) Testing a new approach on the start of the ABC 2014 on a Sunday
- 2) Decided to move 101's to Sunday Noon on for ABC 2014
- 3) Discussed post cards, new era media and bottle flyers
- 4) Need for professional pictures at ABC and board members

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

We discussed the success of the 2013 ABC Parts competition

- 1) The board anticipates that this is an area to help drive continued learning and growth

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

Membership in the Blow Molding division is growing.

- 1) The continued need to drive membership discussed

□ **Website subcommittee – John Sugden**

- 1) Ned to update to show ABC 2014
- 2) Discussed the use of a calendar linked to site

□ **New Business**

1. Desire to have an agenda for Antec ASAP
2. Desire to have committee report drafts 2 weeks earlier than the meetings
3. Cal Becker to submit a draft of action Items to Board
4. BOD Org Chart and Officers to be voted on at Antec 2014

□ **ADJOURNMENT:**

Motion to adjourn by Jeff Light, 2nd by Surendra Agarwal – Approved by BOD

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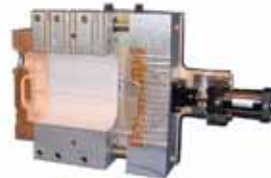
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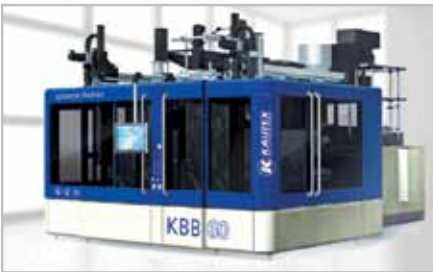
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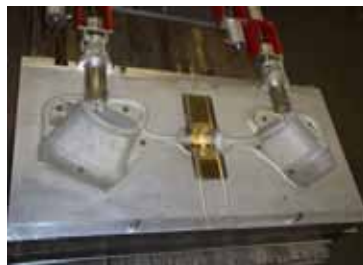
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