



SOCIETY OF PLASTICS ENGINEERS

BLOW MOLDING DIVISION

Volume 2011 Edition 4

27th Annual Blow Molding Conference

ABC 2011

Post Show Wrap-up

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Record Sponsor Support Confirms Conference Value

Chicago, Illinois was the site of the Society of Plastics Engineers 27th Annual Blow Molding Conference (ABC) held October 12th and 13th at the Marriott O'Hare. The annual two-day event included technical-business overviews; updates to industrial and automotive materials and applications; packaging machinery advancements; extrusion blow, co-extrusion and injection blow molding technology, packaging sustainability and recycling developments, various barrier technology presentations and numerous "Plastic 101s" by leading industry experts.

"The conference is designed to help plastics and packaging professionals get the latest information on technology advances," stated Scott Steele, Plastics Technologies, Inc. and ABC 2011 Conference co-chair. "We've developed the program as an information exchange to help impact productivity and allow operational benchmarking."

This year's conference was supported by a record number of sponsors who play a key role in maintaining the success and continued growth of the Division's ABC. With nearly 50 sponsor companies exhibiting, conference attendees had the opportunity to meet with existing suppliers, as well as their clients and make new contacts. "This conference is one of the most cost effective ways in which A-ToP Polymers has the opportunity to enhance existing relationships, make new acquaintances as well as keep current regarding the latest technological advancements within the blow molding industry," said Jeff Light, Manager Marketing and Senior Accounts.

Sponsor exhibits provided a one-stop meeting place for both converters and stakeholders allowing for direct one-on-one meetings and interaction with ultimate decision makers. "This year's event was over the top," said Jim Vassar, President and Owner, Fidelity Tool & Mold Ltd. "You can count on Fidelity to be a sponsor for next year's conference in Pittsburgh!" "We met some new prospects and saw many customers and peers at the conference" stated Andrew Hobson of Hawkeye Preferred Tooling Group, a new sponsor this year. "Thank you for putting on a great event!"

Sponsorship revenue is the primary source of funds that the Division collects and awards annually to fund the student and educational grants and scholarships. Programs such as The Student Design Competition and The Continuing Education Grants would not be possible without the support of our educational sponsors. The Division is very proud of its sponsors and efforts supporting the Division's mission to support blow molding education and generating more exposure and interest in all facets of our industry.

As the Division continues to work toward growing our membership, we would like to acknowledge our conference sponsors who are vital to the on-going success of the Blow Molding Division and its initiatives.

Thank you.

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Division*



Chairperson's Message



Our 27th SPE Annual Blow Molding Conference was very successful - I would like to thank everyone for their efforts and participation. We have started to organize our 2012 events and are well on the way. From April 2nd through April 4th our ANTEC will take place in Orlando, FL during NPE2012 and our ABC Conference 2012 will be held in

Pittsburgh, Pennsylvania from October 9-10th. The attendance and sponsorships have a great outlook. In the newsletter you will find the preliminary program information as well as our formal Board Meeting minutes and planning notes. We would be glad to meet all of you during these events and thank you for supporting the SPE and further promoting plastics education to schools, universities and our industry.

Our board members are in the process of outlining many topics for an interesting ANTEC and the Annual Blow Molding Conference. This event will encompass the latest technologies, processes, resins and trends around the blow molding industry. We invite you to attend our presentations, participate in our 101s and to support us with our call for papers and sponsorships for upcoming conferences and newsletters.

Students and entry level participants are very welcome to these conferences to get an inside look at 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 join these events and would be pleased to see many of you joining the blow molding community in the future and contributing with your ideas for new developments to our future success.

We appreciate the industry support to further educate and promote the blow molding industry. I invite all to meet our board members; we welcome your active and or financial assistance to successfully continue the SPE activities. Equally important is your input on the conference and recommendations for future events.

I would like also to thank all our board members, conference coordinator and associates for their work and extra efforts with their board responsibilities and in organizing our conferences throughout the year with our event coordinators. Look forward to working with you and your continued support.

We have many tasks to fulfill over the next years, but I am confident that with our board members involvement we can complete them. I wish everyone a great holiday season and a prosperous 2012.

with best regards,
Benjamin Lopez
SPE Blow Molding Division Chairman

As mentioned above - I would welcome technical reviews from our industry to enhance the technical context to the SPE Blow Molding Division Newsletter that can be shared with our blow molding community; also I invite converters to participate in the SPE blow molded article display.

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Society of Plastics Engineers Blow Molding Division

PITTSBURGH



28th Annual ABC 2012 Blow Molding Conference

October 9th & 10th, 2012

Sheraton Station Square, Pittsburgh, Pennsylvania



The Pittsburgh Sheraton Station Square will be the site for the 2012 Annual Blow Molding Conference. The conference will feature industry speakers presenting segments in packaging, medical and industrial applications. From resin developments to machinery innovations to automation, design and safety, no topic will be missed. Attendees of past ABC conferences have expressed their enthusiasm regarding the breadth and depth of information they were exposed to during this event.

Why Pittsburgh?

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SPONSORSHIP AND EXHIBIT OPPORTUNITIES



Highlight your company's profile at the conference and support the SPE Blow Molding Division. Your sponsorship dollars provide educational grants to students, help recruit new members to the Division and support the Annual Blow Molding Conference — an unparalleled networking platform for current and prospective blow molding professionals.

EXPANSION OF OUR “PLASTICS 101'S” MINI-SESSIONS

These comprehensive mini-sessions featured 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 for such areas as:

- Continuous Extrusion
- Accumulator Head
- Extrusion Blow Molding
- IBM
- Medical Device Prototyping
- Medical device design and development
- Stretch Blow (reheat)
- Polyolefins and PET 101's
- Design for Blow Molding
- Co-Extrusion and Engineered Polymers

TRANSPORTATION

The Sheraton Station Square Hotel is located 30 minutes from Pittsburgh International Airport (PIT)

SPEAKER OPPORTUNITIES



If you are interested in presenting a topic at this year's conference, please click [here](#) for a Speaker Abstract Form. You can review the Speaker Guidelines and Presentation Requirements [here](#).

AWARDS



The SPE Blow Molding Division's annual awards will be presented at dinner, which will recognize student scholarships and student design winners. A special segment of the evening will be dedicated to the Division's Lifetime Achievement Award.

CONFERENCE VENUE

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2011 Student Design Contest

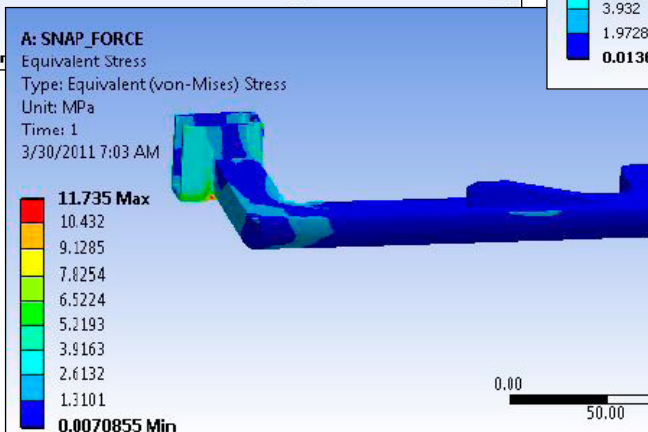
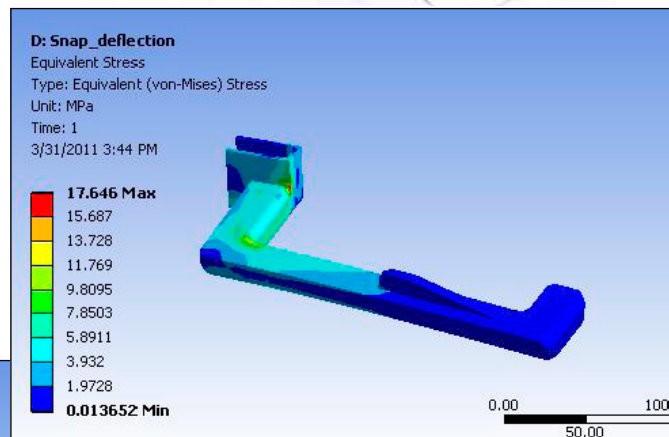
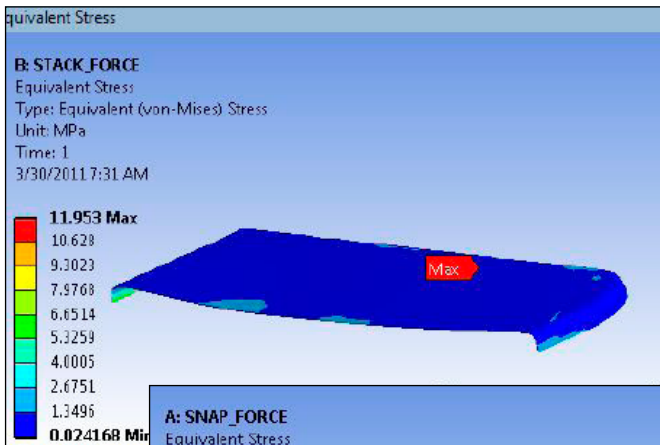
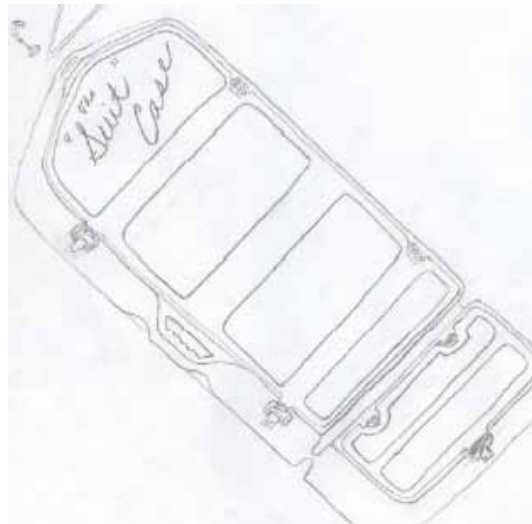
Three students were recognized at the 2011 ABC for their Student Design Contest entries. The student's entries were presented in poster format at the 2011 ABC and they were recognized during the Blow Molding Division's annual awards program on Wednesday evening. A brief summary of each entry follows. Complete design competition entries can be found at [www. http://blowmoldingdivision.org/](http://blowmoldingdivision.org/)

Garrett DeCasper's was awarded first place in the competition. His winning entry was entitled "Suit or Garment Box".

Garrett chose HDPE resin for this design.

He utilized a number of CAE programs to design the part and perform finite element analysis (FEA). FEA was employed to determine:

- Maximum weight can be stacked on top of the part
- The force that needed to be applied in order to release the snap fit
- How much force can be held by the weaker half of the handle when assembled and disassembled



Kristen Kilroy's was awarded second place in the competition. Her winning entry was "Hard Shelled Extrusion Blown Suitcase". Kristen chose ABS resin for the blow molded shell. The design schematic is shown.

Kristen ran several finite element simulations to show that the ABS suitcase could be designed to withstand higher stresses compared to



[Continued on next page](#)

Figure 1: Suitcase interpretation modeled in ProEngineer

one designed from polypropylene.

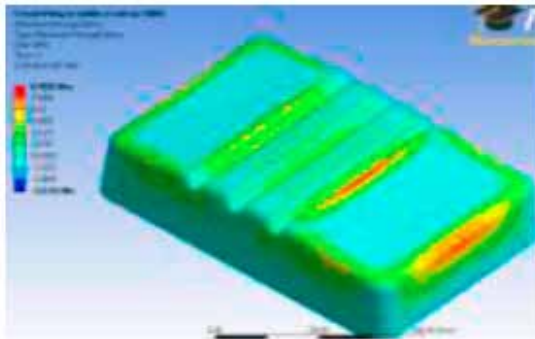


Figure 9: Maximum Principal Stress Plot for the loading case simulating a 113 kg load on the largest outside of the suitcase.

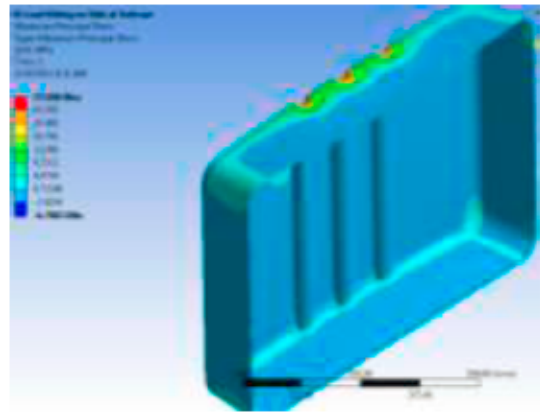
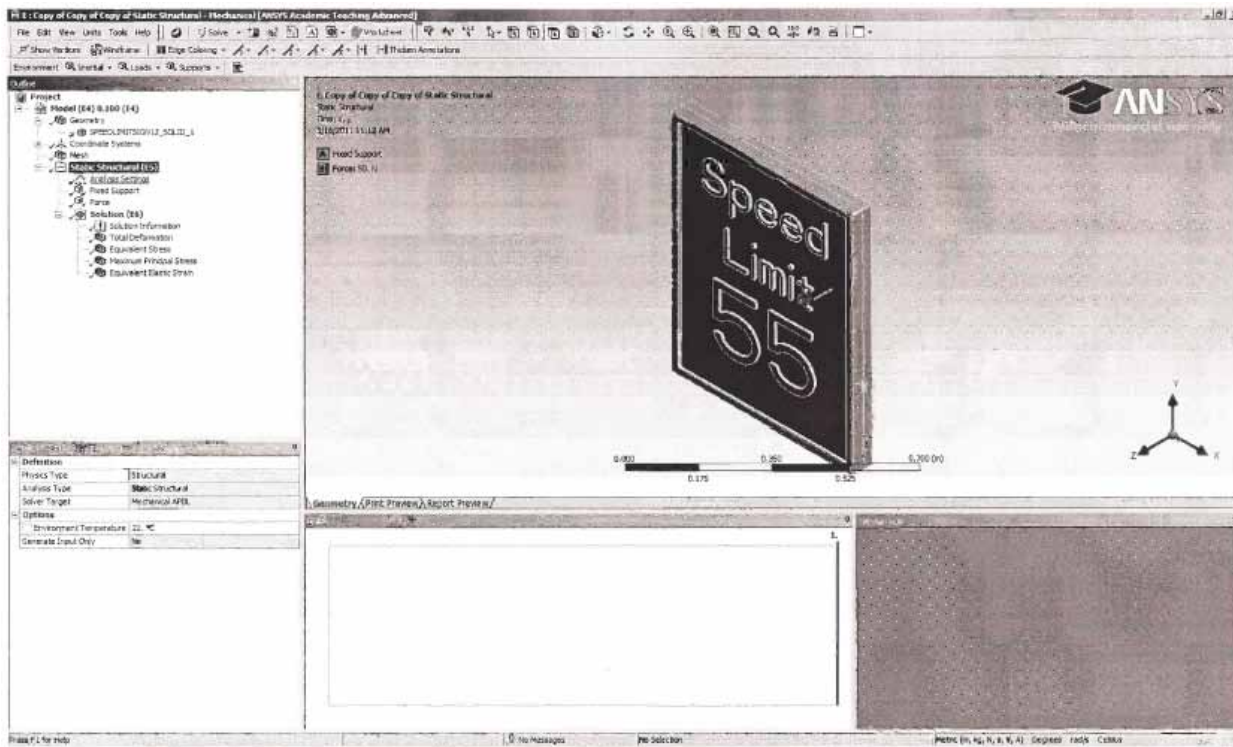


Figure 10: Maximum Principal Stress Plot for the loading case simulating a 113 kg load on the lengthwise outside of the suitcase

Bradley Koren's was awarded third place in the competition. His winning entry was "Road Signs." Bradley chose Talc filled polypropylene for the part. He used multiple design iterations in order to achieve the design goals. The final iteration achieved the target weight of 2.27 kg and passed both a 50N applied force and winds of 88kph. The total deformation due to wind forces was 0.0041m and 0.0081m from the 50N force. The design weight of 2.27 kg represents a savings of 0.9 kg when compared to a conventional road sign.



The SPE Blow Molding Division has held its Student Design Competition annually since 2001, and has selected 17 different entries for recognition. The Division offers a monetary prize to a student or group of students who submit winning entries and an additional travel allowance is offered to the winner(s) so they can present their proposal in a poster presentation at either a SPE Annual Blow Molding Conference or ANTEC. Those wishing to participate in the 2012 Design competition can do so by following the submission instructions at: <http://blowmoldingdivision.org/designcontest-writeup.html>



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ABC 2011 Sponsor Highlights

Uniloy Helps Major Household Chemicals Manufacturer

The Uniloy UR Series, since 1963 has been the industry leader for HDPE container solutions for global dairy, juice, and water applications. However, Uniloy is at work in some surprising non-food applications. In 2009, Uniloy delivered its largest UR Serie machine to-date to the Mexico operations of a major global household chemical manufacturer. Since then, the customer has added three more of these systems to meet production demands. Uniloy is also helping with molds and tooling to convert all four machines to produce a new 850ml fabric softener container. These 16-cavity Uniloy UR-100 systems will operate at a rate of 7,200 containers per hour – production rate exceeding long stroke continuous extrusion shuttle machines and equal to more complex wheel systems which in both cases require greater energy consumption. The rectangular container features a 43mm neck finish. Prior to working with Uniloy to optimize container and mold design the lightest weight they could run the container at was 39 grams. Uniloy was able to reduce the container weight by 15% and reduce the cycle time from 12 seconds to 8 seconds. This improvement was made without compromising the strident neck and container finish requirements in the household chemical industry.



Air Logic Power Systems LLC (ALPS) entered the Filled & Sealed Package leak testing market in 2010 with a new on-line NexGen Rotary leak tester machine designed



for 100% seal integrity inspection of dry products packaged in containers with foil seals. Food and Beverage markets have continued to innovate and introduce new packages and sealing methods that require lab experimentation and process monitoring to verify that the seal integrity is maintained. In response to market demands, ALPS has introduced a new Blackbelt benchtop instrument for nondestructive, off-line leak testing of filled & sealed packages which may include dry or wet products. The primary leak test method is Vaccum Decay. Each product requires a fixture to create a test chamber around the seal area of the package. This technique detects air leakage through the package seal as a change in vacuum on the outside of the package. Leak test sensitivities can get down to the 5 to 30 micron range, depending mainly on the test volume, test time, and package rigidity.



Hawkeye Preferred Tooling Group is a full service blow mold manufacturing company located in Charles City, IA. Hawkeye Preferred was formed by the combination of Hawkeye Mold andDesign and Preferred Tooling in the summer of 2011. Hawkeye Preferred specializes in complex, value added blow molds and secondary fixtures. Hawkeye Preferred has developed several In Mold Finishing technologies for finishing parts inside of the mold including In Mold Cutting for blow domes and In Mold Punching of single wall and compression molded features. Hawkeye Preferred also designs and builds secondary finishing and deflashing fixtures and injection molds to take care of the entire tooling package for industrial blow molded parts. Utilizing Pro/E and SolidWorks for engineering enables Hawkeye Preferred to assist with blow molded part and mold designs to optimize the design of the blow molded product for manufacturing.



ABC 2011 Sponsor Highlights

W **Amsler Equipment Inc. (WAE)**, the only Canadian manufacturer of all-electric PET reheat stretch blow molding machines, is proud to announce a breakthrough in green, sustainable blow molding technology. This year, they have released the L32 3-cavity convertible blow molding machine, which is ideal for custom



blow molders. It has the same energy consumption and footprint as the L22X 2-cavity model, but it can produce nearly 42% more out-put (for 500ml round water bottles). The adjustable cavitation of this machine enables it to run 3 cavities at a maximum volume of 2L, 2 cavities at a maximum volume of 3L, or 1 cavity at a maximum volume of 5L. This



versatility allows blow molders to produce many different sizes of bottles on a single machine. As with all WAE blow molders, the low-maintenance L32 can accept competitor molds, feature tool-free changeovers and 15 minute mold changes. Amsler blow molders come in two lines: linear (1-6 cavities) and rotary (10 & 16 cavities). WAE also builds high speed leak testers, automatic and semi-automatic palletizers, and spin trimmers. W. Amsler Equipment Inc. is based just north of Toronto in Richmond Hill, Ontario, Canada.

R **AO Design International**, located in Schiller Park, IL was established in the 1960's and has been making various machinery components for plastic packaging, including a large amount of Blow molds and Injections Molds. They regularly produce blow molds for a variety of products from beverages, to medical devices, cosmetics, automotive parts, blow fill seal applications, household items and many other blow moldable items. RAO Design offers rapid prototyping for any type of bottle, container or medical device. They can also machine blow molds in aluminum bronze or aluminum 7075 or Beryllium copper using high speed CNC and CAD-CAM systems.



I **nvensys** Operations Management opened its newest facility in Machesney Park, IL (Rockford, IL) in October, 2011. The new Rockford Center of Excellence will comprise the Eurotherm Plastics R&D and Engineering Departments, MACO Systems Repair, and the Systems and Product Training Facility. "Our plan is for personnel and support equipment to be completely relocated to this new site by October 25, 2011," stated Rick Jarrell, Eurotherm NA Operations Manager. "This state of the art facility will increase our MACO R&D, Engineering and repair capabilities. Additional amenities at this facility will offer us a fine showcase for customer visits, product demonstrations and training events." Jarrell added; "For over 45 years Eurotherm has built an international reputation for developing premiumquality, "fit for purpose" products and plastics control solutions. Eurotherm products such as MACO and brands like Action Instruments and Continental have long been recognized for leading innovation in the plastics processing, automation and machine controls market. The investment we made in this facility proves that we are fully engaged in this market with a long term commitment to our global customer base."



ABC 2011 Sponsor Highlights

Bekum Receives Eurotherm North American OEM of the Year Award...



Steve London, Executive Vice President and COO of Bekum America Corporation accepted the Invensys Eurotherm "North American OEM of the Year Award" for FY 2010 during a presentation at their Williamston, Michigan facility. Presenting the award was Steve Schroeder, Business Development Manager-Plastics for Invensys Eurotherm; from Bekum, Pete Bogrett, Kirk Myers and Tim Hall; and from AIC, the sales representative organization for Eurotherm, Bob Limbright, President.

W Müller USA is a wholly owned subsidiary of Germany based, family owned and operated W. Müller GmbH. The company specializes in custom design and manufacture of parison heads for continuous and accumulator-type extrusion blow molding machines. Head designs are offered with up to 24 parisons, for up to seven layers and with die diameters up to 450 mm or 18". View stripe option is available on monolayer and multilayer heads. Special head configurations include gradation and dual durometer technology. W. Müller parison heads offer value beyond the head itself through 35 years of experience and more than 1,000 heads installed in the Americas. North American headquarters in Agawam, MA include a sampling facility for up to 1 gallon containers providing new and existing customers with an opportunity to evaluate W. Müller equipment and any of the above processing techniques.



R &B Plastics Machinery of Saline has introduced a reciprocating screw that improves blow molding runs. As reported by Angie DeRosa in Plastics News, the new feed-screw line, marketed as Max-Recip Impact Screw, is specifically designed for high throughputs, low melt temperatures and improved mixing on reciprocating blow molders. "Anytime we get into customers with rebuild or new services, they're wanting to push the envelope in terms of throughput," said Matt Gifford, technical product manager with R&B. "They want the ability to get more throughput with the same platform." More specifically, Gifford



tends to see the requests from producers of bottles for the dairy and juice markets. Customers in those segments have repeatedly reported difficulty in finding feed screws engineered to their needs. According to the company, the Max-Recip Impact Screw has better throughput rates than the standard original equipment manufacturer screw technology. The feed screws are made from high-quality carbon steel with bimetallic flight hard-facing and chrome-plated for extended production life. The screw was designed by Tim Womer, chief process consultant with R&B.

Fidelity Tool and Mold Ltd., located in Batavia, Illinois is celebrating their 25th anniversary. A three time Platinum Sponsor to the Annual Blow Molding Conference, Fidelity Tool and Mold Ltd. has earned a reputation for high standards and exceptional service by providing high quality extrusion blow mold tool solutions. In their constant quest for innovation, the company has contributed a number of industry milestones, including their U.S. patent of the first Multi-Parting Line Blow Mold Technology.



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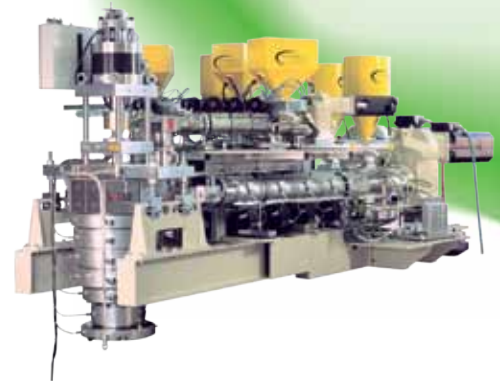


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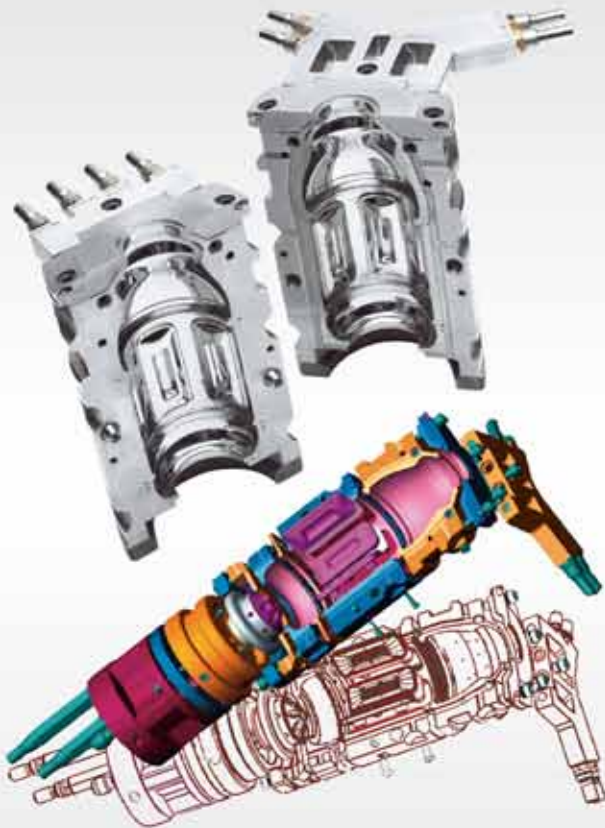
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Graham Engineering Corporation
Continuing Education

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

Fairfield, IA 52556

geoff.ward@agriindustrialplastics.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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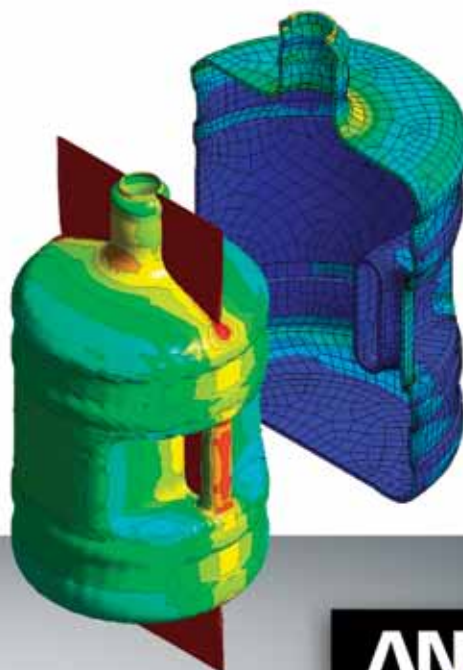


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Committee Meetings October 11, 2011

AI = ACTION ITEM

Executive Committee met from 8:30 – 9:25 am.

Attendees: Ben Lopez, Scott Steele, Mark Barger, Gary Carr, Terry Glass, Surendra Agarwal, Geoff Ward, Jeff Light, Mark Heitker

Discussed BOD status. Need candidates for councilor as Mark Barger is term limited. Proposed conducting an electronic election. Succession plans for BOD positions reviewed vs. the status of each board member's interests as recorded in the recent survey. Now on a 2 year cycle for some of the officer positions. Nominate Jeff Light as candidate for Chair Elect - motion passed to present nomination to the BOD for a vote.

Need to move ahead on the website upgrade.

Reviewed the Finance Committee's action items concerning the Grant Fund investment in the SPE Investment account and possible consolidation of the Operating Fund and Disbursement Fund into one online account, deferred to the Finance Committee for further study.

Four BODs have been nominated for HSM – Lew Ferguson, Jon Meckley, Mark Barger, and Mark Heitker. Audit Committee composed of Ben Lopez, John Rathman, and Mark Heitker formed to audit the 2010-2011 treasurers' records later today.

AI Terry Glass – Prepare proposal for the Finance Committee on consolidation of the Operating Fund and Disbursement Fund into one online account.

AI Scott Steele – Organize Finance Committee conference to discuss the proposed online accounting proposal and review the Grant Fund investment in the SPE Investment account.

Marketing Committee met from 9:45 – 11:00 am

Continued on next page



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Education Committee met from 9:45 – 11:00 am

Attendees: Geoff Ward, Ben Lopez, Mark Barger, John Rathman, Dale Klaus, Mark Heitker

Reviewed Education Committee Report draft.

Only one CFS Memorial scholarship has been awarded this year. Need for new education sponsors.

Discussed school grant request from Penn State Eire for assistance with purchase of a new die head for one of their Bekum machines.

AI Mark Heitker – Discuss with Paul Herring if Pittsburg State could be a site for a blow molding training program.

AI Mark Barger – Contact Donna Davis to determine if future possibility of scholarship support from the Exxon-Mobil Foundation.

AI Mark Heitker – Obtain speaker approval for video taping of selected 101's during the Thursday morning sessions.

Awards – John Rathman Four BOD have been nominated for HSM

Made a first pass on the draft Disbursement Budget for upcoming fiscal year.

Technical Program Committee met from 11:10 – 11:45 pm

Attendees: Surendra Agarwal, Gary Carr, Ben Lopez, Jeff Light, Ron Puvak, Geoff Ward, John Rathman, Jamie Pace, Dale Klaus, Terry Glass, Henry Vogel, Babli Kapur, Piaras de Cléir, Scott Steele, Cal Becker, Mark Barger, Henry Vogel, Lew Ferguson, Gerry Hobson, Mark Heitker

Guests: Bob & Velma Slawska, Bob Delong

ABC 2011 projecting > 300 attendees. Great sponsorship success – kudos to the committee. 1st year for the 4 hour EBM training course. Thanks to Ron for excellent ABC promotion and for sending out 18,000 flyers.

Reviewed ABC 2012 plans for Pittsburgh to be held October 9-10th. Co Chairs will be Ron Puvak, Jeff Light, Jon Meckley, and a rep from the Pittsburgh section.

Atlanta is the recommended location for ABC 2013.

ABC 2014, discussed a number of prospective locations.

Continued on next page

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ANTEC 2012 – April 2–4 along with the NPE. Co chairs are Randy Moynihan and Babli Kapur. Only one paper submitted so far. Deadline is Oct 19th.

ANTEC 2013 in Cincinnati – Chair is Babli Kapur. Need a co chair.

ANTEC 2013 in Las Vegas – Need volunteers for co chairs.

Adjourn for lunch

Board of Director's Meeting October 11, 2011

AI = ACTION ITEM

❑ Call to order at 1:45 pm

BOD Members present: Ben Lopez, Scott Steele, Jeff Light, Mark Barger, Gary Carr, Ron Puvak, Geoff Ward, John Rathman, Dale Klaus, Jamie Pace, Babli Kapur, Henry Vogel, Cal Becker, Terry Glass, Lew Ferguson, Surendra Agarwal, Bob Jackson, Gerry Hobson, Piaras de Cléir, Mike Hall, Mark Heitker

BOD Members Excused: Randy Moynihan

BOD Members Absent: Daryle Damschroder

Guests: Lesley Kyle, Bob Slawska, Bob DeLong, Don Peters, Klaus Mischkowski, Deidre Turner, Kyle Grodzinski

❑ Welcome & Non compete notice – Ben Lopez

❑ State of the Board – Ben Lopez

Jeff Light is Chair elect. (Confirmed by 2/3 vote at BOD dinner meeting on Oct. 11th)

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❑ **Review of last Meeting's Minutes and Action Items – Mark Heitker**

- Motion to approve minutes with no revisions – Ron Puvak, 2nd Bob Jackson, approved by BOD
- Reviewed status of Blow Molding book – Bob Jackson reported disagreement with Wiley on the scope. Wiley wants a testbook, the BOD's view is to portray Sam Belcher's achievements.
- Reviewed status of action items from the last BOD meeting at ANTEC 2011.
- Defer action on status of Grant Fund reserves in the SPE Investment Fund until the winter meeting.
- Minutes, updated action item list, and updated roster presented.

❑ **Sponsorship subcommittee report – Jeff Light & Deirdre Turner**

Greatest ever ABC sponsor response. Kudos to Deirdre and Jeff. Surendra recommended special award.

Report was reviewed.

❑ **Technical Program Committee (TPC) – Surendra Agarwal**

Reviewed ABC plans. Predick > 300 attendees. Updated program is attached.

ABC 2012 plans and general discussion for Pittsburgh venue.

ABC 2013 Motion to return to Atlanta – Mark Barger, 2nd by Bob Jackson – approved by majority of BOD

ABC 2014 Discussion on possible locations.

ANTEC 2012 – April 2–4 along with the NPE. Co chairs are Randy Moynihan and Babli Kapur.

ANTEC 2013 in Cincinnati – Chair is Babli Kapur. Co chairs are Scott Steele and Ben Lopez.

ANTEC 2013 in Las Vegas – Need volunteers for co chairs.

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❑ **Treasurers report – Terry Glass**

Reviewed report. Prior year's financial records to be audited later today. SPE annual report and tax return to be completed by Nov 15th.

Report and prior year & year current fund ledgers were reviewed.

- Motion to approve the Treasurer's report by Gerry Hobson, 2nd by Surendra Agarwal – approved by majority of BOD

❑ **Councilors report review – Mark Barger**

Council update. Discussed POAM.

AI for the entire BOD – Send feedback to Mark Barger - Where/How do we adapt for 2020.

❑ **SPE National update – Lesley Kyle**

ANTEC 2012 – Paper submission deadline extended to end of this week. Can submit an abstract and outline to hold spot

AI Ben Lopez – Notify Lesley is we need space for a BOD meeting at the ANTEC. Rooms at the convention center are no cost.

There will be a student job fair at the ANTEC on Wednesday. Discussion on how we can expand our activities at the ANTEC. Student posters, papers, contests, and tutorials add programming value.

AI Ron Puvak – Send ABC 2012 proposal to Lesley to get on the schedule to avoid overlap with other conferences.

National is reevaluating TopCon revenue split based on what services are used. A fee for service model is proposed and being tested with the Thermoforming Division.

AI Ben Lopez – Send our ideas on the fee for service model to Lesley.

Discussion on how to raise our visibility and reach younger members. National can do press releases on award recipients, ANTEC presenters, educational programs, pick a topic a month, and promotions on LinkedIn.

Continued on next page

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❑ **Nominations – Scott Steele**

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AI Ben Lopez – Identify 2nd candidate for Councilor election

AI Scott Steele – Contact Tricia McKnight to set up an electronic election prior to the next ANTEC. Mike Hall nominated to fill empty seat on the Board of Directors - Motion by Bob Jackson, 2nd by Jamie Pace. Approved by BOD

❑ **Education Report – Geoff Ward**

Discussed scholarship program. Received 2nd year education support contributions from CKS Packaging and Kautex.

Student Design Contest winning entry posters being presented at the ABC.

AI Geoff Ward – Follow-up with Jon Meckley on the school grant request for a new die head for their Bekum blow molder.

- Motion to approve the Education report by Gerry Hobson, 2nd by Dale Klaus – approved by majority of BOD

AI Dale Klaus – Contact Plastics training program in North Carolina to determine status of blow molding machine.

Bekum is building a new 121S machine for Ferris State’s lab.

AI Mark Barger – Contact Bob Spiers at Ferris State to see if interest in a training program. Reviewed the Education Committee’s draft for the 2012 – 2013 Disbursement Fund budget.

Continued on next page

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❑ **Marketing Committee – Gary Carr**

ABC 2011 update.

ABC 2012 plans. Plant tour. Resume parts display.

Report was reviewed

❑ **Newsletter subcommittee report – Ron Puvak**

Need content. Deadline for next issues is November 25th.

❑ **Membership subcommittee report – Lew Ferguson**

Problems with obtaining data from SPE national website.

AI Lew Ferguson – Issue report to BOD once website is functioning properly.

❑ **Website subcommittee report – Babli Kapur**

Babli, Ron, and Deidre are finalizing the new web layout. Need for high resolution pictures.

AI Babli Kapur – Post ABC papers on the 4SPE.org web site. Obtain speaker release forms first.

- Motion to approve the Marketing reports by Surendra Agarwal, 2nd by Geoff Ward - approved by majority of BOD

❑ **New Business**

AI Bob Jackson – Obtain nomination paperwork for the proposed 2012 LTA nominee.

AI Lew Ferguson – Organize Parts Display program for ABC 2012

AI Ben Lopez – Determine Winter BOD meeting location and date

Mark Heitker reviewed the new action item list generated during this meeting.

ADJOURNMENT:

4:55 pm Motion to adjourn Surendra Agarwal,
2nd by Geoff Ward – Approved by BOD

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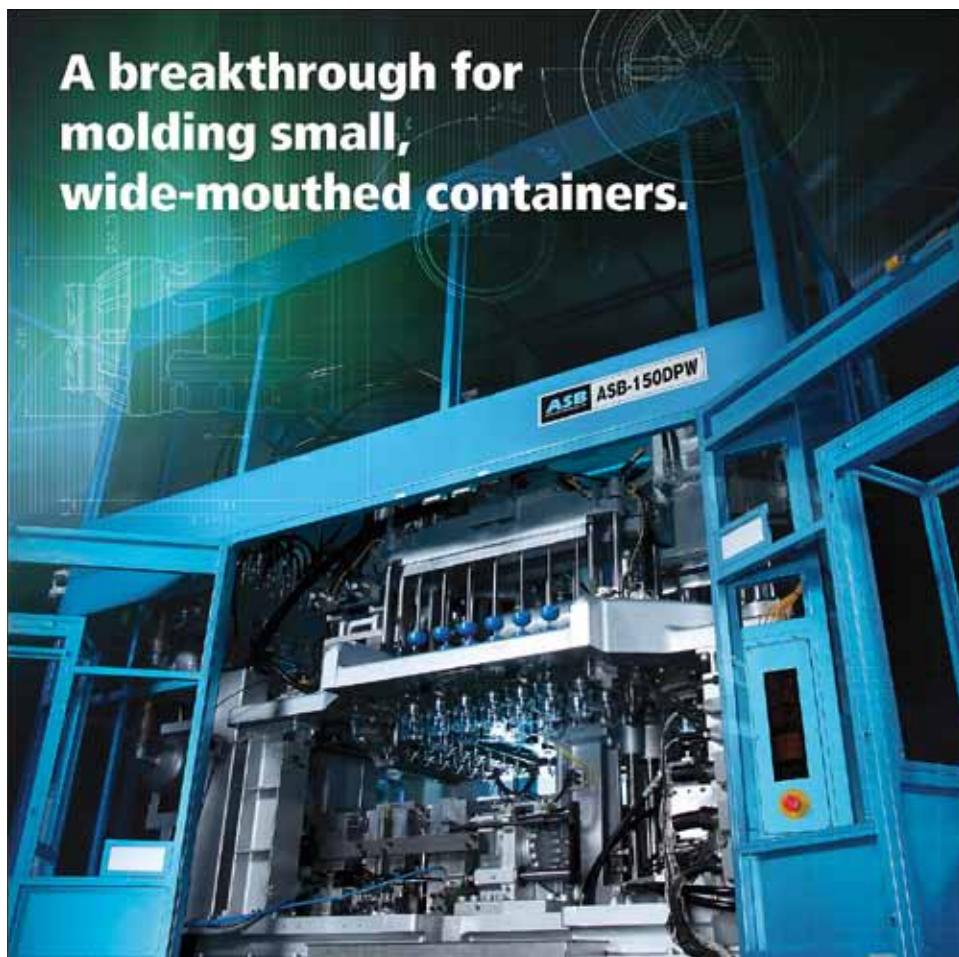
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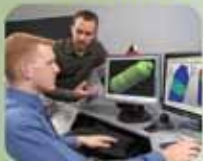
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