



# **Society of Plastics Engineers**

BLOW MOLDING DIVISION

Vol 2015 Edition 4

## **2015 Lifetime Achievement Award Recipient Stephen Spence**

*Born February 1954 - Passed May 2015*



- Began Working For His Father-In-Law (Gordon Malloch) at Express Plastics in Ontario, Canada – 1974
- Express Plastics Launches Sister Business; Fortune Plastics - 1976
- Steve Opened Fortune Plastics Facility in Louisville, KY - 1976
- Steve Opened Fortune Plastics Facility in Franklin, KY - 1978
- Steve Opened Fortune Plastics Facility in Richmond, VA – 1987
- Express Plastic & Fortune Plastics Purchased By Silgan Plastics - 1990
- Steve Continued Working For Silgan Plastics Through 1992
- Steve Founded Spentech Plastic Containers in Richmond, VA – 1992
- Second Spentech Facility Opened in Richmond, VA - 1998
- Spentech Plastic Containers Purchased By Captive Plastics – 2005

Spentech Plastics Containers, Inc. was started in 1992 with the goal to be a customer blow molder of plastic bottles. Steve purchased his first machine from Bekum America and began producing stock containers for sale to plastic bottle distributors. The business quickly grew and purchased an average of 1 to 2 blow molding machines annually. The business operated 16 Extrusion Blow Molding machines from Bekum America; 2 Stretch Blow Molding Machines from Nissei ASB; 2 Silk Screen Presses from Omso and 1 Pressure Sensitive Labeling machine from Omso.

One of the keys to the company's success was being able to changeover machinery with precision and in a short amount of time. An average of 6 changeovers were done per day, which was achievable through the proprietary "quick change" technology the company developed with its primary mold and tooling vendor – Compact Mould.

The company processed HDPE, LDPE, PP, PVC and PET.

Though the business started out servicing plastic bottle distributors, it quickly found a niche in directly supplying high profile Brand Owners as well. A small sampling of the customer base includes; Tricor Braun, Wella, L'Oreal, Chattem Brothers, Burt's Bees, Nioxin Laboratories, Gold Bond and Hartz Mountain.

### **OFFICERS**

*Chairperson*

**Jamie Pace**

*Chairperson Elect*

**Cal Becker**

*Past Chairperson*

**Jeffrey Light**

*Secretary*

**George Hurden**

*Treasurer*

**Terry Glass**

*Councilor*

**Scott Steele**

### **COMMITTEE CHAIRPERSONS**

*Education*

**Geoff Ward**

*TPC Chairperson*

**Surendra Agarwal**

*Marketing Co-Chairs*

**Gary Carr**

**George Rollend**

**Brian Spence**

*ABC Conference  
Coordinator*

**Deirdre Turner**

*Become  
a member*

*Join the  
SPE  
Blow Molding  
Division*



SOCIETY OF  
PLASTICS ENGINEERS



**DAK Americas**



## ALL THE RIGHT RESINS.

FOR ALL THE RIGHT REASONS.

A capacity for leadership.  
In what matters most to you.

When it comes to PET Resin, DAK Americas® has just what you are looking for...Innovative PET Resins from pioneering research and development, state-of-the-art technologies and market know-how. All from one of the largest producers of PET Resins worldwide. DAK Americas' broad line of LASER+® PET Resins give you exceptional flexibility in meeting your design and production goals. From trade leading products and technical service to recycling, to sustainable raw materials, we continue to demonstrate not just our record of innovation, but our steadfast commitment to you and to the industry. Today, tomorrow, and well into the future...DAK Americas.

dakamericas.com | 1.888.738.2002

**Laser+**  
FAMILY OF PET RESINS



# DISCOVER THE GLOBAL LEADER.

Yupo Corporation is the Western Hemisphere's largest manufacturer of a full spectrum of waterproof, 100% recyclable, tear-resistant synthetic papers. YUPO® Synthetic Papers cross industry borders and are known for their exceptional properties and durability. When you require a paper that's so much more than paper, do it on YUPO.

- 
- PRINT** – *Beautiful techniques and applications are right at home on smooth, versatile YUPO*
  - PACKAGE** – *Waterproof, tear- and chemical-resistant YUPO withstands wear and tear for packaging solutions that are always innovative*
  - LABEL** – *YUPO Synthetic IML Substrates are extremely tough, for label applications that stand out*
  - DESIGN** – *Available in a myriad of grades, weights and opacities, YUPO is favored for projects that call for a synthetic that's extraordinary*
- 



**YUPO**®

SYNTHETIC PAPER  
do it on yupo | [www.yupousa.com](http://www.yupousa.com)

PRINT • PACKAGE • LABEL • DESIGN

On behalf of the Blow Molding Division, thank you to our 2015 Division Sponsors who support our education and training initiatives, student scholarships, and the Annual Blow Molding Conference as guest speakers, attendees and exhibitors.

You make it happen!



**polyclear**  
EBM

## AHEAD of the CURVE

- PET for extrusion blow molding
- Excellent clarity for high-gloss containers with handles
- APR recognized for recycling with clear PET



**INDORAMA**  
VENTURES

Polyclear™ is a registered trademark of Kumpo Polimeros S.A., a wholly owned subsidiary of Indorama Ventures PCL  
© Kumpo Polimeros S.A. 2015. All rights reserved.

# Protecting inner values.

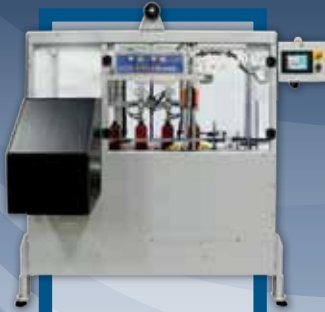
We ensure a perfect process.



[www.intravis.com](http://www.intravis.com)

**INTRAVIS**  
VISION SYSTEMS

# YOUR EXPERIENCED PARTNER IN ONLINE PLASTIC CONTAINER INSPECTION



Speed-Glider Multi-Station Moving Head



SC Linear Indexing Conveyor



RS-S Moving Head



SST Linear Leak Tester with Integrated Takeout Conveyor



DB-100 Downed Bottle Ejector



NexGen Rotary Leak Tester

FOR MORE INFORMATION  
[WWW.ALPSLEAK.COM](http://WWW.ALPSLEAK.COM)

**ALPS**  
Leak Testing Equipment  
a TASI Group Company

The current population of **ALPS LEAK TESTING MACHINES** is assuring the **INTEGRITY** of more than **50 BILLION CONTAINERS A YEAR**



- ✓ FULLY ELECTRIC MACHINES up to 100t
- ✓ HYDRAULIC MACHINES up to 300t
- ✓ MULTI-CAVITY SHUTTLE MACHINES
- ✓ HIGH OUTPUT JERRY-CAN MACHINES
- ✓ OT / L-RING DRUM MACHINES
- ✓ SUCTION BLOW MACHINES
- ✓ TECHNICAL PART MACHINES
- ✓ ACCUMULATOR HEAD MACHINES
- ✓ COMPLETE MACHINE OVERHAULS INCL PARTS SUPPLY
- ✓ LARGE STOCK OF IN-HOUSE CHECKED AND VERIFIED 2ND HAND MACHINES



For more information, please contact us at +49 52 48 82 38 0 or [sales@bbm-germany.de](mailto:sales@bbm-germany.de) and visit our website [www.bbm-germany.de](http://www.bbm-germany.de)

# 'Tis the Tax Planning Season!

by Ross E. Hewitt, CPA and Michael J. Devereux II, CPA, CMP

The holidays are upon us and we all know what that means. We will soon be getting our information together to prepare our 2015 tax returns! The year has flown by, and now time is running out for tax planning. Time is of the essence so you can take action before the end of the year. We are in the middle of meeting with our clients to assess this year's performance and determine whether there are opportunities to accelerate or slow down deductions to minimize tax consequences.

This planning process has its challenges this year, as there are provisions that expired effective December 31, 2014 but have historically been extended retro-actively. Legislation is currently being drafted regarding these provisions. The increased Section 179 expensing election of \$500,000, 50% Bonus Depreciation, the Research Credit, and the Work Opportunity Tax Credit (WOTC) are among the many provisions that are being considered. While it is prudent to prepare projections based on the actual current law, the extension of these provisions appears to be a reasonable assumption based upon bills being debated by the House and Senate, along with Congress' propensity to renew these provisions retro-actively. In the meantime, we are encouraging businesses that are developing new products; developing new blow-mold or pre-form tooling; or developing part-specific manufacturing processes to continue documenting projects so the Research Credit can be calculated and substantiated. Also, keep track of qualifying individuals that were hired this year for the WOTC credit. There may be a grace period to send in the necessary paperwork to claim the credit.

One taxpayer-friendly development for this year is the increase in the de minimis safe harbor for expensing otherwise capitalized expenditures from \$500 to \$2500. This safe harbor was enacted in the capitalization regulations that were effective starting in the 2014 tax year. Now, qualifying businesses that do not have audited financial statements can write off assets that normally would be capitalized if they are \$2500 or less. This write-off provision is separate from the Section 179 expense election.

Regardless of how Washington decides to handle the expiring tax provisions, there are still ways to minimize taxes. Contributing to retirement plans is an effective way to reduce taxes, even after December 31. Most plans allow for a current year deduction even though the contribution isn't due until the filing of the tax return, including extensions. It is also a great time to revisit your plan for updates and possible revisions. If you don't have a plan, you may still have time to set up and make contributions for the 2015 tax year.

The Domestic Production Activities Deduction (DPAD) is a deduction equal to 9% of the net income of qualifying activities, including manufacturing. For exporters, an IC DISC is a way that essentially taxes a portion of qualifying export sales at capital gains rates. For DPAD and IC DISC, the larger the net income the greater the benefit. Therefore, you may want to slow down depreciation to spread the deduction, which will increase income to generate a larger deduction without expending more money.

Everyone has different circumstances and objectives, so it is important to work with an advisor to make sure they are aligned with you!

## *A Note about the Authors*

### **Ross E. Hewitt, CPA**

Tax Partner  
rhewitt@muellerprost.com  
314.862.2070 (office)

### **Michael J. Devereux II, CPA, CMP**

Partner and Director of Manufacturing, Distribution & Plastics Industry Services  
mdevereux@muellerprost.com  
314.862.2070 (office) 314.406.8773 (cell)

Ross and Mike our partners with Mueller Prost, a CPA and advisory firm that specializes in tax planning and incentives available to plastics manufacturers. Ross regularly speaks in industry forums on ways manufacturers may reduce their income tax liabilities. Mike has spoken at the SPE's Annual Blowmolding Conference, ANTEC, Plastics News Executive and Financial Forums, SPI's Business of Plastics, and MAPP's Benchmarking Conference. Mueller Prost's Tax Incentives Group is nationally recognized and has assisted hundreds of companies in the manufacturing sector identify and utilize these incentives.

## SPE Blow Molding Division 2015 Scholarship Award

**Abigail Gilmore** has been awarded the SPE Blow Molding Division's 2015 Carrie Fox Solin Memorial Scholarship in the amount of \$3000. She was chosen for this award by the division's scholarship selection committee based on her outstanding record of academic and extracurricular achievements.



Abigail is a senior studying Plastics Engineering Technology at the Pennsylvania State University at Erie, The Behrend College, where she has been on the Dean's List every semester. During the past two summers, she interned as a Processing Engineer at Berry Plastics in Hot Springs, AR, and as a New Systems Development Engineer at GOJO Industries in Akron, OH. She is also a teaching assistant, working to help professors with students in the plastics engineering courses and assisting industry professionals at various Behrend training workshops.

Abigail was recently inducted as President of the Behrend Chapter of the Tau Alpha Pi National Honor Society, and is currently Treasurer of the Plastics Engineering Club. She is a very active member of the Northwest Pennsylvania Society of Plastics Engineers section. Her ANTEC 2015 poster received the 1<sup>st</sup> place Undergraduate award, and she submitted a project in the Blow Molding Division's 2015 Student Design Contest. As a member of the Behrend NCAA Cross Country, and Track and Field Teams, she earned the team's *Most Improved Athlete Award* for both the 2013 and 2014 seasons. In the future, she plans to obtain a job in the plastics field with a focus on sustainability through innovative solutions. Upon notification of her scholarship award, she replied "I am very grateful to my family, friends, peers, professors, and the Society of Plastics Engineers for their continued support."

*The Society of Plastics Engineers is an organization dedicated to promoting the scientific and educational aspects of the plastics engineering profession, and the Blow Molding Division provides a forum for the promotion and dissemination of information relating to blow molding technology.*

*The Blow Molding Division of the Society of Plastics Engineers awards its annual Memorial Scholarship(s) to selected students enrolled in plastics engineering programs. Since inception of the scholarship program, the SPE Blow Molding Division has awarded \$260,500 to 39 students enrolled in programs that include curriculum pertaining to blow molding. Abigail is the 10<sup>th</sup> Penn State Erie student to receive a SPE Blow Molding Division scholarship.*

*The Blow Molding Division's scholarships and other educational support programs are funded with the income from a \$218,000 Grant Fund endowment that has grown over time with the support of the division's sponsors. The value of the division's scholarships is up to \$6,000. Funds are distributed in two disbursements over a two year period, usually during the junior and senior terms. If the recipient is a senior, a \$3000 award is made. The award recipients are recognized at the SPE Annual Blow Molding Conference (ABC) or SPE Annual Technical Conference (ANTEC). A travel allowance is provided.*

### **Qualifications for the scholarship are as follows:**

- 1. The student must be enrolled full-time in a degreed undergraduate Plastics Engineering program.*
- 2. The student should be completing the 2nd year of a four-year program.*
- 3. The student must be a member of an SPE Student Chapter.*
- 4. The applicant will submit a brief essay with their application describing the importance of blow molding to the technical parts and packaging industry.*

*We seek students who plan to make a career in plastics engineering (a sincere interest in the Blow Molding industry is a plus). We request that qualifying students submit an application by following the instructions and completing the appropriate forms for the Blow Molding Division Memorial Scholarships at the SPE Foundation website.*

See our website for additional information. <http://www.blowmoldingdivision.org/scholarships/>

# wentworth mold

best value company



Industrial



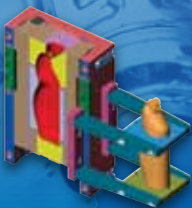
Packaging



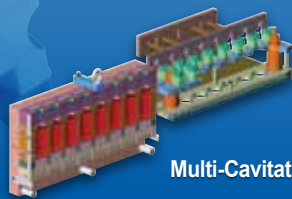
Extremcool



Consumer Products



Fast-to-Market®



Multi-Cavitation

Innovative Extrusion Blow Mold Solution  
[www.wentworthmold.com](http://www.wentworthmold.com)



Global Coverage

Wentworth Mold Ltd.  
566 Arvin Ave., Units 2&4  
Stoney Creek, ON, L5E 5P1 Canada  
1-800-233-0874

## Blow Molding *made easy*

Improve Machine Reliability  
with MACO Compact Full  
Machine Control System  
Retrofitting

Want Better Parison Control?  
Breeze IIc for Parison only  
control.

High Speed Updates  
EtherNet Communications  
Recipe Storage  
Online/Web Browser  
RLD Diagnostics  
Closed Loop Control <0.1ms  
Statistical Process Control

Ask about our MACO  
Customer First  
Program now  
With eWon.

Get the most from  
your process



# Eurotherm®

by Schneider Electric

[www.eurotherm.com/plastics](http://www.eurotherm.com/plastics)



Want the real secret to bottle light weighting?



**Process Pilot**® automated blowmolder control system can make the difference between a modest attempt at light weighting and a truly successful program. Process Pilot works with your blowmolder to **continually monitor** and **maintain material distribution** on every bottle to an unmatched degree of accuracy. Featuring **automatic adjustment** and **24/7 control**, Process Pilot can facilitate even the most aggressive light weighting program while ensuring the highest quality and performance!

**Not convinced? Contact us to set-up a trial and experience the difference.**



Measurement and process control systems for the packaging industry

www.agrintl.com  
Tel: +1.724.482.2163  
E-mail: sales@agrintl.com



MATERION

Keep Your Reputation Safe. Ask for MoldMAX® by Name.

Authentic MoldMAX® tooling alloys have been helping injection and blow molders for more than 30 years.



Product Name	Alloy	Hardness	Typical Applications	A Mold Must:	Performance Mold Alloys Provide:	Benefits:
MoldMAX HH®	Copper Beryllium	40 Rc	Injection & blow molds	Transfer heat rapidly	The highest thermal conductivity available	<ul style="list-style-type: none"> <li>• Rapid heat transfer</li> <li>• Faster cycle times</li> <li>• Lower processing costs</li> </ul>
MoldMAX LH®	Copper Beryllium	30 Rc	Injection & blow molds	Transfer heat uniformly	Uniform cooling	<ul style="list-style-type: none"> <li>• Dimensionally correct parts</li> <li>• Minimized warpage</li> <li>• Reduced scrap rates</li> </ul>
ProTherm™	Copper Beryllium	20 Rc	Injection & blow molds, hot runner systems	Be extremely durable	Excellent hardness, wear resistance, non-galling	<ul style="list-style-type: none"> <li>• Higher cycle life with lower maintenance costs</li> <li>• Less downtime</li> </ul>
MoldMAX XL®	Copper Nickel Tin	30 Rc	Injection molds	Be easily fabricated	Faster machining rates than tool steels	<ul style="list-style-type: none"> <li>• Lower mold fabrication costs</li> </ul>
MoldMAX V®	Copper Nickel Silicon Chrome	28 Rc	Injection & blow molds			



Performance Alloys  
6070 Parkland Boulevard  
Mayfield Heights, OH 44124  
Sales Inquiries 800.321.2076  
Technical Inquiries 800.375.4205  
email: BrushAlloys-Sales@materion.com  
www.materion.com

All MoldMax® products are high performance alloys specifically designed for the plastic processing industry. These alloys offer a unique combination of thermal conductivity and strength that provides important benefits in the molding process. Play it safe. Specify MoldMAX® premium mold and tooling alloys from Materion Performance Alloys. Don't settle for inferior imposters.

Performance Alloys  
www.materion.com/  
PerformanceAlloys

## Educational Support Activities at the 2015 Annual Blow Molding Conference

### *Students at the ABC*

Twenty-one students and faculty attended the ABC 2015 as our guests from Pennsylvania College of Technology and Pennsylvania State University at Erie, The Behrend College. The students promoted their Plastics Engineering programs and distributed resumes at complimentary tabletops in the exhibition area. Blow Molding Division Education support funds were used to pay for their travel expenses and registration fees.



Pennsylvania College of Technology Students in the Exhibit Hall



Penn College Students Boarding the Dinner Cruise Boat

### *Student Awards*

Our current Carrie Fox Solin Memorial Scholarship recipient, Abigail Gilmore from Penn State Erie, was recognized at the ABC awards banquet. Dr. Lawrence Solin traveled from Philadelphia for the award presentation.

The SPE Pittsburgh Section presented scholarship awards to Kierstyn Williams and Casey Baran, both from Penn State Erie.

Award plaques and checks were presented to the winners of the Blow Molding Division's Student Design Competition. Brittany Ochs - 1<sup>st</sup> place, Dalton Singer - 2<sup>nd</sup> place, Kierstyn Williams - 3<sup>rd</sup> place, and Brian Johnson - 3<sup>rd</sup> place. \$2100 in prizes was awarded to these 4 students from Penn State Erie.



Penn State Erie Students with their Scholarship and Student Design Contest Awards

*Continued on next page*

Since 1991, the Blow Molding Division has awarded \$260,500 in scholarships to 39 deserving undergraduate students enrolled in plastic engineering programs. The awards are targeted toward students with an interest in blow molding.

The scholarships and other educational support programs are funded with income from a \$220,000 endowment built up over the years with proceeds from our ABC sponsors and from direct corporate contributions.

## *Feedback from Student Attendees*

- I would like to thank you all very much for the opportunity my fellow students and I had to come to the Annual Blow Molding conference. Throughout my days at the conference I have gained a more in-depth understanding of the many things that take place in the blow molding industry. I have always thought of pursuing a career in this industry, and this conference has helped me decide that this is the route I would like to go.
- Being able to attend has allowed me to make quite a few connections and broaden my understanding of not only plastics but the industry itself.
- I would like to thank you for the opportunity to go to this year's Annual Blow Molding Conference. With SPE's sponsorship I was able to make connections and learn more about the industry.
- As my first plastics conference it was amazing to speak with a bunch of different companies about what they do in the industry and about possible employment. The experience was priceless.
- I would like to thank the SPE Blow Molding Board for giving me the opportunity to make valuable networking connections.
- Attending this conference has really expanded my knowledge and understanding of the blow molding process and of its potential uses in the future.
- I figured out part of my senior project thanks to one of the sessions.
- This conference definitely helped with my job search process as well.

# Are You A Blowmolder?

Then You **Need**

**PLASTICS  
MACHINERY**  
Magazine

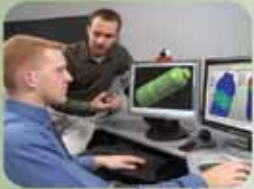
**All machinery –  
all the time!**



[www.plasticsmachinerymagazine.com/pmmsubscribe](http://www.plasticsmachinerymagazine.com/pmmsubscribe)



**innovate**



**design**



**solve**



**test**



**educate**

**Plastic Technologies, Inc. (PTI)** recognized worldwide as the preferred source for taking your projects from concept through commercialization for the plastic packaging industry.

- Complete package design
- Package development
- Rapid prototyping
- Pre-production prototyping
- Material evaluations
- Engineering support

[www.PlasticTechnologies.com](http://www.PlasticTechnologies.com)

The global thought and technology leader in plastic packaging™



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

### **Eligibility Criteria:**

1. The employee must be a full-time employee of one of our member companies (having at least one current member of the SPE Blow Molding Division).
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 \$600 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@aipcompany.com](mailto: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.



The Right Solution For Every Application

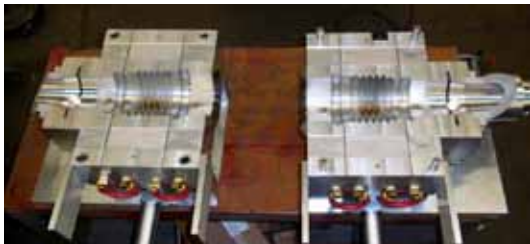


## SPE Blow Molding Conference 2015

[www.cmg-america.com](http://www.cmg-america.com)

[stephen@cmg-america.com](mailto:stephen@cmg-america.com)

### 'Blow Mold Manufacturing Specialists'



#### Plastics Capabilities

- Injection Mold Sampling: Up to 300 Ton
- Blow Mold Sampling: Up to 30lb Shot
- 3-D Blow Molding-Sampling and Development
- 5 Axis Robotic Trimming
- Resin Trials
- Prototypes

#### Tooling Capabilities

- Blow Molds
- Head Tooling
- Blow Stands
- Injection Molds
- Secondary Finishing Equipment
- In Mold Finishing

#### **Hawkeye Preferred Tooling Group**

2323 Old Highway Road  
 Charles City, IA 50616  
 Phone: 641-228-3099  
[sales@hawkeyemold.com](mailto:sales@hawkeyemold.com)  
[hawkeyepreferreddtoolinggroup.com](http://hawkeyepreferreddtoolinggroup.com)



# 2015 INDUSTRIAL CATEGORY AWARDS

## AUTOMOTIVE / TRANSPORTATION CATEGORY

### 1<sup>ST</sup> PLACE

LEFT & RIGHT HAND BACKHOE FENDER  
SUBMITTED BY: KEN CARTER  
COMPANY: JOHN DEERE



## CONSUMER GOODS CATEGORY

### 1<sup>ST</sup> PLACE

SURECAN 2.2 GALLON GAS CAN  
SUBMITTED BY: CARSON JONES  
COMPANY: BEKUM AMERICA CORPORATION



## INDUSTRIAL OTHER CATEGORY

### 1<sup>ST</sup> PLACE

BIG DADDY DECOY'S DRAKE AND HEN MALLARD DECOYS  
SUBMITTED BY: ANDREW HOBSON  
COMPANY: HAWKEYE PREFERRED TOOLING GROUP



### 2<sup>ND</sup> PLACE

GARDENGLO PLANTER  
SUBMITTED BY: DALE KLAUS  
COMPANY: QUALITY CUSTOM MOLDING



# INDUSTRIAL DIVISION AWARDS

## 1<sup>ST</sup> PLACE

LEFT & RIGHT HAND BACKHOE FENDER  
SUBMITTED BY: KEN CARTER  
COMPANY: JOHN DEERE



## 2<sup>ND</sup> PLACE

BIG DADDY DECOY'S DRAKE AND HEN MALLARD DECOYS  
SUBMITTED BY: ANDREW HOBSON  
COMPANY: HAWKEYE PREFERRED TOOLING GROUP



## 3<sup>RD</sup> PLACE

SURECAN 2.2 GALLON GAS CAN  
SUBMITTED BY: CARSON JONES  
COMPANY: BEKUM AMERICA CORPORATION



# PEOPLES CHOICE AWARDS

## PACKAGING APPLICATIONS

EXTRUSION BLOW MOLDED WINE AND BEER GLASSES  
SUBMITTED BY: GARY CARR  
COMPANY: BEKUM AMERICA CORPORATION



## INDUSTRIAL APPLICATIONS

SURECAN 2.2 GALLON GAS CAN  
SUBMITTED BY: CARSON JONES  
COMPANY: BEKUM AMERICA CORPORATION





# PACKAGING CATEGORY AWARDS

## FOOD CATEGORY

### 1<sup>ST</sup> PLACE

LIGHT-WEIGHT PET JAR  
SUBMITTED BY: DR. SURENDRA AGARWAL  
COMPANY: CREATIVE GROUP OF INDUSTRIES



## BEVERAGE CATEGORY

### 1<sup>ST</sup> PLACE

EXTRUSION BLOW MOLDED WINE AND BEER GLASSES  
SUBMITTED BY: GARY CARR  
COMPANY: BEKUM AMERICA CORPORATION



### 2<sup>ND</sup> PLACE

FAIRLIFE DAIRY PACKAGE  
SUBMITTED BY: SCOTT STEELE  
COMPANY: PLASTIC TECHNOLOGIES, INC. (PTI)



### 3<sup>RD</sup> PLACE

DOUBLE HELIX & TRIPLE HELIX YARD  
SUBMITTED BY: RUTH McCLELLAN  
COMPANY: WHIRLEY DRINKWORKS



## PHARMACEUTICAL CATEGORY

### 1<sup>ST</sup> PLACE

30 ML DUAL DISPENSING BOTTLE  
SUBMITTED BY: FRANK HOHMANN  
COMPANY: FGH SYSTEMS



## PACKAGING OTHER CATEGORY

### 1<sup>ST</sup> PLACE

REPLENISH 3 Oz POD  
SUBMITTED BY: ERIC HOHMANN  
COMPANY: FGH SYSTEMS



### 2<sup>ND</sup> PLACE

8 Oz STA-BIL  
SUBMITTED BY: ERIC HOHMANN  
COMPANY: FGH SYSTEMS



# 2015 PARTS COMPETITION AWARDS

## PACKAGING DIVISION AWARDS

### 1<sup>ST</sup> PLACE

REPLENISH 3 Oz POD  
SUBMITTED BY: ERIC HOHMANN  
COMPANY: FGH SYSTEMS



### 2<sup>ND</sup> PLACE

EXTRUSION BLOW MOLDED WINE AND BEER GLASSES  
SUBMITTED BY: GARY CARR  
COMPANY: BEKUM AMERICA CORPORATION



### 3<sup>RD</sup> PLACE

30 ML DUAL DISPENSING BOTTLE  
SUBMITTED BY: FRANK HOHMANN  
COMPANY: FGH SYSTEMS



You can access  
past proceedings of the  
Annual Blowmolding  
Conferences at:

<http://www.4spe.org/pfn>  
user name: ABC Guest  
password: plastics

# CREATIVE

BLOW MOLD TOOLING

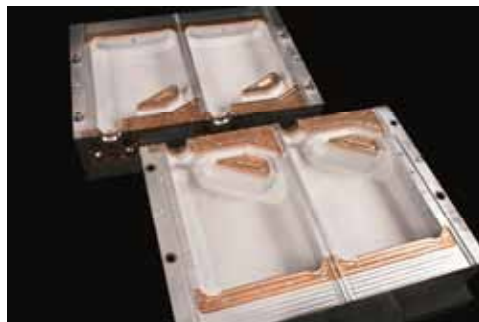
*From Idea to 3D Design Development...*



*...to Lean Mold Manufacturing...*



*...to High-Quality Precision Molds...*



*...to Superior Consumer Packaging*



**Results:**

- 31 Years of Experience
- Design efficiencies & Quality Assurance – Extended Mold Life
- Faster Time to Production
- Maximizing Return on Your Investment
- VALUE: We Build it Right... Every Time... On Time.

**Contact Information:**

Jim Hensiek, Director of Business Development  
Mobile: 816-799-2534  
[jhensiek@creativeblowmold.com](mailto:jhensiek@creativeblowmold.com)

2350 NE Independence Avenue  
Lee's Summit, MO 64064  
Office: 816-525-4220 x 110  
[www.creativeblowmold.com](http://www.creativeblowmold.com)

# Think big. Go large.

For multiserve handled containers



**EASTAR™**  
polymers

*To learn more, contact*

Cal Becker

301-606-2544

[cjbecker@eastman.com](mailto:cjbecker@eastman.com)

[www.eastman.com](http://www.eastman.com)

**EASTMAN**



COAST is a Computerized Maintenance Management System (CMMS) ideal for businesses of any size. Because COAST is hosted in the cloud as a "Software as a Service" (SaaS), we are able to scale to your needs as you grow your business. Competitively priced for small businesses, we offer unique features suitable for upper management of your global business. We pride ourselves in our easy to use interface and streamlined workflow so you can spend more time building your business rather than learn another clunky, unfriendly application. Contact us for more information by calling 1 (919) 802-0005 or by email at: [john@cscoast.net](mailto:john@cscoast.net) - Visit our website at: [www.coastfms.com](http://www.coastfms.com)

# GRANULATORS & DEDUSTING SYSTEMS



## Press Side Granulator with Dedusting System

- ▶ Economically recycle up to 20,000 lbs/hr
- ▶ Cross-Scissor-Cut & Double Angle Cut™ rotor
- ▶ Over 100 incredibly durable systems available



Clean & Uniform Regrind Guaranteed!



**HOSOKAWA POLYMER SYSTEMS**

www.PolySys.com • (860) 828-0541 • Berlin, Connecticut, USA

**HEISE**

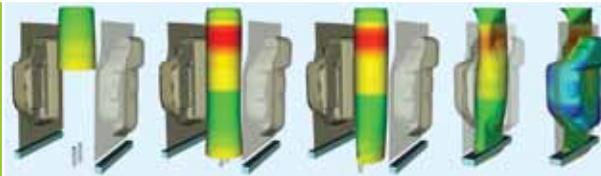
**INDUSTRIES INC**



**NRC-CNRC**

**BlowView**, the world's only software for twin-sheet blow molding from start to finish.

Major manufacturers all across the globe use BlowView to design and produce a wide variety of complex blow molded products, such as fuel tanks.



Join NRC experts at **booth 47** for a BlowView software demo.

### Contact

**Jason Pierosara**  
Business Management  
Tel.: 613-998-9378  
[jason.pierosara@nrc-cnrc.gc.ca](mailto:jason.pierosara@nrc-cnrc.gc.ca)  
[www.nrc-cnrc.gc.ca](http://www.nrc-cnrc.gc.ca)



National Research  
Council Canada

Conseil national de  
recherches Canada

**Canada**

We are currently accepting abstracts for consideration for ABC 2016. Topics include: innovations in technologies, processing, materials, troubleshooting, hot topics, and 101's. If you are interested, please complete a Speaker Abstract Form and send to:

[deirdremturner@gmail.com](mailto:deirdremturner@gmail.com)

On-line forms can be found on the ABC 2016 webpage at

[www.blowmoldingdivision.org](http://www.blowmoldingdivision.org)



## 32nd Annual Blow Molding Conference and Exhibits

October 3-5, 2016

Crowne Plaza Atlanta Perimeter at Ravinia  
4355 Ashford-Dunwoody Road, Atlanta, GA 30346

### SPEAKER ACCEPTANCE & ABSTRACT FORM

Please sign and return this document which indicates your agreement to participate in ABC 2016 as a speaker. As a guest speaker, you will receive a complimentary registration, including the conference reception and meals, and a copy of the conference proceedings. You will be responsible for your personal expenses (i.e. hotel, travel, etc.). *If you are unable to attend the conference, you agree to make every reasonable effort to provide a replacement speaker.*

**Speakers will provide a copy of their presentation by August 31, 2016, to include in the conference proceedings. It is understood that this version may differ from the one presented at the conference so as not to include proprietary information, etc.**

Please return this form along with a brief biography to the Conference Coordinator as soon as possible so that we may include your participation in our conference promotions and marketing.

Title of Presentation: \_\_\_\_\_

3 points describing your presentation topic: \_\_\_\_\_

Describe your presentation topic in more details or email an abstract: \_\_\_\_\_

Please indicate your AV needs. If none are indicated, we'll assume none are needed: \_\_\_\_\_

Please complete the following (as you would like it to appear in the proceedings and for event promotion) :

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

*(Cell phone number will be used for communication purposes only by Conference Coordinator and will not be published.)*

Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Please complete this form and email to  
Deirdre Turner, Conference Coordinator at [deirdremturner@gmail.com](mailto:deirdremturner@gmail.com)  
**Please include a brief biography.**

## Speaker Guidelines for the Annual Blow Molding Conference

These guidelines have been prepared in an effort to facilitate the preparation of presentations for the blow molding conference and to assure a relative uniformity of the presentations

Email all information to: Deirdre Turner, Conference Coordinator at: [deirdremturner@gmail.com](mailto:deirdremturner@gmail.com)

### DEADLINES

1. Completed Speaker Form and Biography **due ASAP** to include in marketing efforts and promotion.
2. Electronic copy of PowerPoint presentation appropriate for inclusion in the conference proceedings is due\* **on or before August 31st, 2016**. *This copy will be sent to conference moderators for review. \*Please prepare a copy that doesn't include proprietary information or graphics for this purpose.*

**Receipt of your presentation and biography/speaker forms by the above deadlines is necessary to permit time for review and preparation of conference materials.**

### PRESENTATION CONTENT:

- Content should contain the newest and latest advances in technology.
- The content should not be in the form of a direct sales pitch.
- Presentations should contain no content that may be considered offensive to any group. Please be careful. If you are not sure, ask the opinion of the Conference Chair or a colleague.
- Only one slide is recommended to describe your company.
- Try to limit your presentation to the time provided. 20-25 minutes is a good length. Be sure to include time for Q&A from attendees.

### A TYPICAL PRESENTATION OUTLINE COULD INCLUDE:

- Title slide: Presentation Title, name of speaker, organization. State objective of presentation.
- Content should contain the newest and latest advances in technology
- Introduction including what's new
- Theory and background and Methodology (equipment and procedure used)
- Results and discussion
- Recommendations for future work and credits and acknowledgements

### CONSIDER THE FOLLOWING GUIDELINES FOR INDIVIDUAL SLIDES

- The slides should make maximum use of visual tools. There should be no more than 3 or 4 bullets per text slide.
- Make graphs and tables as large and legible as possible.
- Minimize the number of equations. Give a reference instead.
- Careful with abbreviations, especially those not known by all.
- Label the parts in photographs and figures.
- Whenever possible, use transition slides for changing topics.
- Reference to any commercial item is to be made generically in future slides. e.g. Resin A.

### DELIVERY:

- Presentations should be in a power point format. Speeches should be avoided, except for lunchtime talks.
- Remember that not everyone in the audience has a perfect view and that some will be color-blind.
- Use a laser pointer and be careful not to aim at someone in the audience.
- Maintain eye contact and speak clearly and loudly
- Don't read from the slides. Give audience time to read the slide

### LOGISTICS:

- Please confirm your presence to a Conference Co-Chair or the Conference Coordinator at the beginning of the conference and to the Session Moderator before your session.
- Bring a CD and/or a USB back-up of your presentation, or your own laptop just in case, especially if video clips are used.
- Test your presentation at the break just to make sure. Please go to the room where you are to present at the end of the session immediately before you present. Your moderator will meet you there to go through logistics. IF there are any computer problems it would be best to find them now. We don't have any IT staff on site, but we'll have experienced people around who should be able to help. If you are presenting in the first session of the morning, get to the session about 30 minutes prior to the start to check out your equipment.





**FAST, EFFECTIVE, PROVEN  
TRAINING FOR YOUR BLOW  
MOLDING PERSONNEL**

With Paulson Training's *NEW* online course, *Extrusion Blow Molding Technology*, you'll learn the fundamentals of extrusion blow molding in seven comprehensive, interactive lessons totaling 10-12 hours. Course titles include:

- The Process and the Equipment
- Plastic Behavior
- Extrusion Blow Molding Operating and Controls
- Operating Procedures
- Part Quality and Problem Solving - Part 1
- Part Quality and Problem Solving - Part 2
- Parison Programming

Learn more, visit [paulsontraining.com/blowmolding](http://paulsontraining.com/blowmolding)

For a **FREE** trial, call today 855-496-4800



**Container Development**  
Creating a packaging culture



**Technology**  
Aoki's creative molding technologies




**Creative Direct Heatcon molding technology**

The Direct Heatcon molding technology was independently developed by Aoki. This biaxial stretch-blow container molding technology dramatically improves the characteristics of plastics, and this has made it an essential part of our modern lives. As the company name suggests, Aoki Technical Laboratory is a laboratory that places a great deal of importance on research and development. We will continue to create the future for containers using our creative technologies.



## 2016 BLOW MOLDING DIVISION SPONSORSHIP LEVELS & BENEFITS

	Conference/ Education Sponsor	Diamond Sponsor	Platinum Sponsor
<b>Marketing and Promotion Benefits</b>	<b>\$5,000</b>	<b>\$2,900</b>	<b>\$2,000</b>
Division Sponsorship recognized at all Blow Molding Division activities.	✓	✓	✓
3 Division electronic format newsletter ads. Newsletter is placed on division's website ( <a href="http://www.blowmoldingdivision.org">www.blowmoldingdivision.org</a> )	One half-page (8 ½" x 5 ½")	One-half page (8 ½" x 5 ½")	One half-page (8 ½" x 5 ½")
Prominent posting on Sponsor webpage indicating sponsorship level and hyperlinked to your company's website.	✓	✓	✓
<b>Division Education &amp; Training Benefits</b>			
Recognition of sponsor support for Division objectives for student education and assistance and training initiatives	✓	✓	✓
 <b>ABC 2016 Conference Benefits</b>			
Recognition as an <b>ABC 2016 Conference Sponsor</b> with prominent signage at event	✓	✓	✓
One tabletop exhibit space in ABC 2016 Conference Exhibits (\$900 value)		✓	✓
Includes full conference registrations to ABC 2016 (valued at \$600 per registration)	4	3	2
Company listed as <b>ABC 2016 Conference Sponsor</b> on webpage with hyperlink to company website.	✓		
<b>Conference Sponsor</b> will select a hospitality option (i.e. breaks, breakfast, luncheon, etc.) and will be provided with "Sponsored by" signage and display table placed at selected hospitality option for duration that option.	✓		
<b>Conference Sponsor</b> will be provided with 5 minute speaking opportunity* at the conclusion of the first General Session on the Day One of the ABC and will receive recognition from the Division chair at the beginning of the General Session. *Talking points to be approved by the conference co-chairs or Division chair.	✓		



## BLOW MOLDING DIVISION SPONSOR FORM

**Division Sponsorship (please indicate level)**

Conference Sponsor - \$5,000       Diamond Sponsor - \$1,900       Platinum Sponsor - \$2,000

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

Company Name \_\_\_\_\_

Contact Name \_\_\_\_\_

Contact Title \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip/Country \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

Do you wish to Exhibit at the Annual Blow Molding Conference?       YES       NO

**32nd Annual Blow Molding Conference and Exhibits**

October 3-5, 2016  
Crowne Plaza Atlanta Perimeter at Ravinia  
4355 Ashford-Dunwoody Road, Atlanta, GA 30346

Electricity required:     yes     no    (if yes, a maximum of one duplex or 2 sockets will be provided)

Please provide the appropriate contact person to coordinate invoicing and all other details for your company's participation:

Name \_\_\_\_\_

Title \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

**Method of Payment:**

By check (payable to SPE Blow Molding Division), send to:  
**SPE Blow Molding Division, C/O PTI, P.O. Box 964, Holland, Ohio 43528**

Please provide your company's url or website: \_\_\_\_\_

VISA     MC     AMX (please check one)

Card Number: \_\_\_\_\_

Name on card \_\_\_\_\_ Exp. \_\_\_\_\_

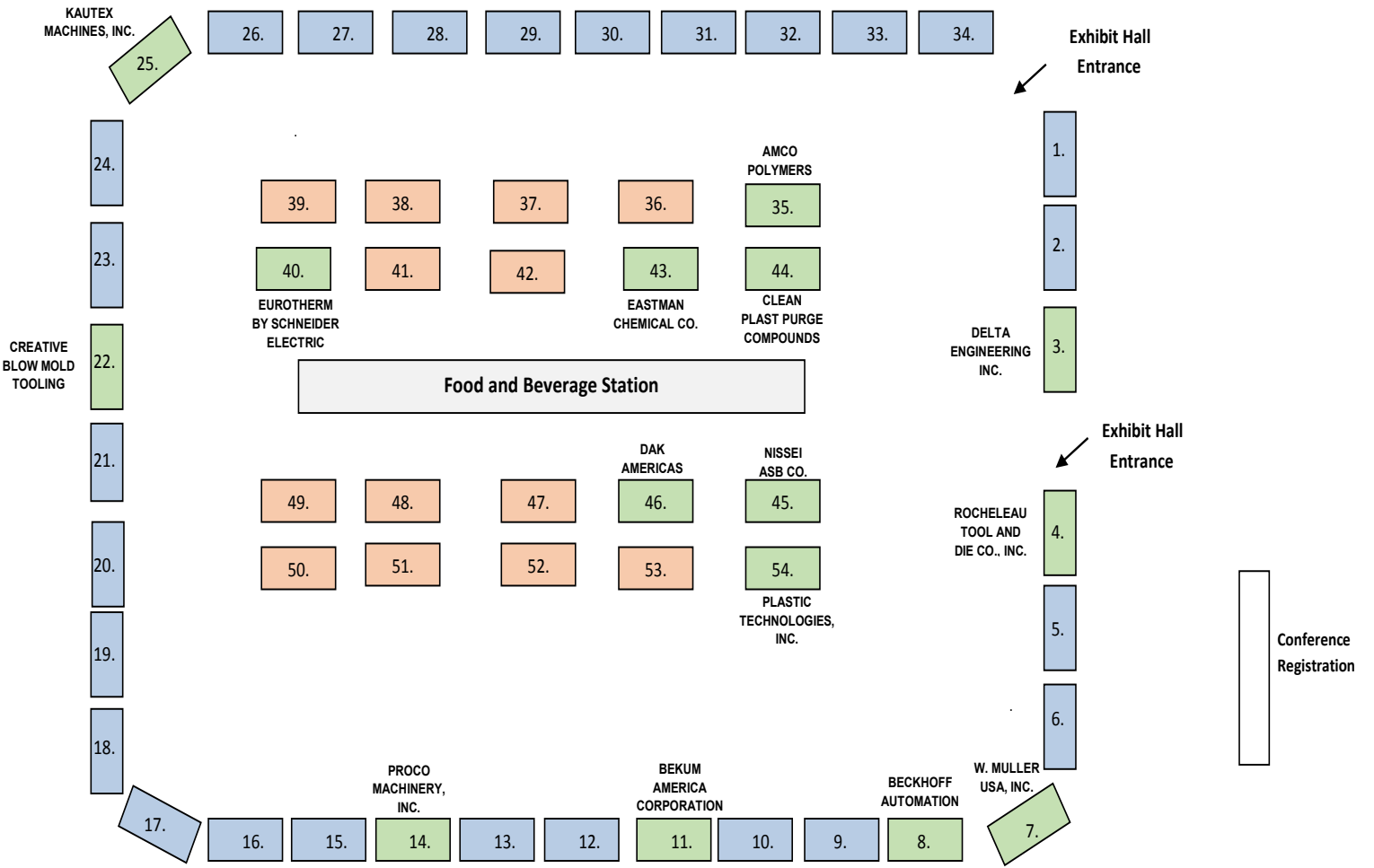
Vcode (3-digit code on back of card; for AMX, 4-digit code on front of card) \_\_\_\_\_

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

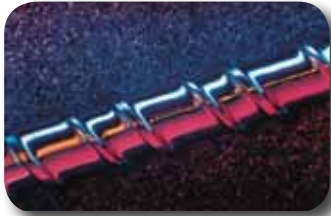


Exhibit Space includes: 1 - six foot table; skirted w/ table linen, 2 chairs, AC (at exhibitor's request).  
 Exhibit/Display Materials can be shipped no more than two days in advance of event.  
 Mailing label must clearly indicate:  
 Your Company Name and Exhibit Number  
 SPE Blow Mold Conference  
 Crowne Plaza Atlanta Perimeter at Ravinia  
 4355 Ashford Dunwoody, Atlanta, GA 30346

DIAMOND - AVAILABLE (\$2900) Tables 35 - 54  
 DIAMOND SOLD  
 PLATINUM - AVAILABLE (\$2000) Tables 1 - 34  
 PLATINUM SOLD



## The Global Advantage™ in Blow Molding



Whether your company makes automotive parts, packaging or consumer products, Davis-Standard's custom designed industrial blow molding machinery is built for productivity. Versatile accumulator head systems offer shot-to-shot consistency, cycle-to-cycle precision, and excellent parison control for both polyolefins and engineered thermoplastics.

As an added benefit, Davis-Standard's Extrusion Technical Service Group can upgrade and refurbish all makes and models of single screw continuous blow molding extruders. This includes replacement screws, process improvements, mechanical and electrical upgrades.



### How can we help you?

- Versatile, custom designed accumulator head blow molding systems
- Closed loop hydraulic and electronic controls
- State-of-the-art screw designs
- Retrofits and rebuilds
- Spiral head technology
- 24/7 customer service

Contact us today to learn how Davis-Standard's Global Advantage™ can support your blow molding objectives.

#1 Extrusion Drive Pawcatuck, CT 06379 | +860.599.1010 | [www.davis-standard.com](http://www.davis-standard.com) | [info@davis-standard.com](mailto:info@davis-standard.com)

# FOR YOU, IT'S ALL ABOUT CYCLE TIME



**TRIAD**  
Precision Products, Inc.

Time is money. That's why we offer quick delivery at a competitive price, all while maintaining high quality.

Triad has been servicing the Blow Molding Industry since 1991.

Send us a sample. We'll size it AND guarantee it.



**336-474-0980 • [triadpp.com](http://triadpp.com)**



#1 Team in Blow Molding



People Make the Difference!

517.655.4331

www.bekumamerica.com

# ProfileSolutions

Since 1993



- **Worlds Fastest Single head leak tester, > 14,500 tests/hr on a single head**
- Inline Multi head Up to 7 heads
- Feed Scroll Traveling heads to > 45,000/hr 8 head, Small bottle
- Multi Section traveling heads to > 30,000/hr 4 head, Small bottle
- Testers up to 1000L IBC's
- Drums testers.
- CNC Take-outs systems ( Nissei + Aoki) and automation.
- Profileflex conveyor system
- **High Value, save your capital**
- Email: [usa@profauto.com.au](mailto:usa@profauto.com.au)
- See YouTube channel: **PROFILE1963/videos**



Connections are identical to parison programmers of another well-known brand. An exchange will not take more than an hour.



## mini-WTC 19"

The easiest, elegant and most compact solution when it comes to replacing outdated or irreparable 19" parison programmers.

### Advantages of the mini-WTC 19":

- Two separate profile channels
- 100 set points (400 interpolated)
- 100 marker points
- Graphic display of actual positions
- Tolerance monitoring
- Parison length control
- Recipe management
- Language selectable



For more information call + 1 (413) 787-0664

[www.mullerheads.com](http://www.mullerheads.com)



AMERICAN TOOL & ENGINEERING, INC

## American Tool & Engineering, Inc.

- Complete tool design from start to finish
- Machined & Cast aluminum molds
- On-time delivery
- Weekly progress reports

For more information contact us at..  
(641) 816-4921  
[sales@atemold.com](mailto:sales@atemold.com)



*Quality Molds by Design*

*Dedicated to building quality molds for the Blow Molding, Thermoforming & Pressure Forming Industries*



## 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 [deirdremturner@gmail.com](mailto:deirdremturner@gmail.com) for information about sponsorship opportunities



# YES

## SEE WHAT YES BUILT.

There is no challenge we will say no to. Because we know that with the widest range of products, technologies, expertise and services, there is no solution we can't conceive. **Contact us** to see how our philosophy of Yes has reshaped the very fabric of our brand.

Explore all that's possible with injection, extrusion, blow molding, co-injection, hot runner systems, mold technologies, process control equipment and fluids.

Visit [www.milacron.com](http://www.milacron.com)



Uniloy UR70

Our Uniloy brand offers an exhaustive range of blow molding technologies supported by extensive design and production experience. Each one of our machines and molds is designed with the customer's needs in mind for the most efficient production of blow molded parts. Customers use our range of precision technologies to produce high quality containers in a wide variety of industries.



UNILOY

Mold Masters  
performance delivered

DME  
Every step of the way

CIMCOOL



**“DON'T just purge to purge, PURGE TO CLEAN using the original *CLEAN PLAST*<sup>®</sup> purging compound. Contact me today to arrange for a FREE purge trial at your plant and see the difference a *CLEAN PLAST PURGE* will make.”**

*~Rochelle Lemieux, President*

### **Don't be fooled by imitations, ask for Clean Plast Purging Products!**

- *CLEAN PLAST* is safe to Purge through Hot Runners including pre-form molds!
- *CLEAN PLAST* is safe for all resins including PET Bottle grade.
- *CLEAN PLAST* has no harmful abrasives or solvents!
- *CLEAN PLAST* is GRAS by the FDA.
- *CLEAN PLAST* cleans Screws, Barrels, Accumulators, Hot Runners and Heads.
- *CLEAN PLAST* can be used in Injection Molding, Extrusion, and Blow Molding.



## **PURGE FAST!!!**

*Clean Plast*<sup>®</sup> Purging Compounds

*“a 100% Woman Owned Business”*

PO Box 1503, Noblesville, IN 46061 • Phone: 317-770-3680 • Fax: 888-228-3865

Email: [sales@cleanplastpurge.com](mailto:sales@cleanplastpurge.com) • Website: [www.CLEANPLAST.com](http://www.CLEANPLAST.com)

# MY WORK IS A STORY OF SAFETY.

**Christoph**

Product Specialist



I help keep children safe. The instruments I develop ensure that our customers keep lead out of our kids' toys. Our instruments also contribute to identifying impurities in drinking water, hazardous elements in cosmetics and many other important applications.

If you're looking for clues to your future, you'll discover that, at Thermo Fisher Scientific, each one of our 50,000 extraordinary minds has a unique story to tell. And we all contribute to a singular mission—enabling our customers to make the world healthier, cleaner and safer.

No other company can match our range of customer touch points—technologically, geographically or commercially. We help customers in finding cures for cancer, protecting the environment, making sure our food is safe and moving forward with thousands of important projects that improve millions of lives.

#### Explore our Featured Positions:

**Senior Mechanical Design Engineer - 24423BR**

**Principal Engineer Injection Blow Molding - 22694BR**

**Senior Process Development Engineer, Injection Molding - 22106BR**

When you join us, you'll be able to focus on the most interesting engineering tasks. One of the unique aspects of our Product Development Department is that we provide a wide range of plastic materials, sizes and container types. As a part of our team, you'll have the opportunity to learn a wide range of technologies, and you can help us bring new technology and engineering methods to a growing business.

We offer both a technical career ladder and management career ladder in engineering, so you can build your career by taking on progressively more challenging technical roles, or move into areas like project management or functional management without leaving engineering.

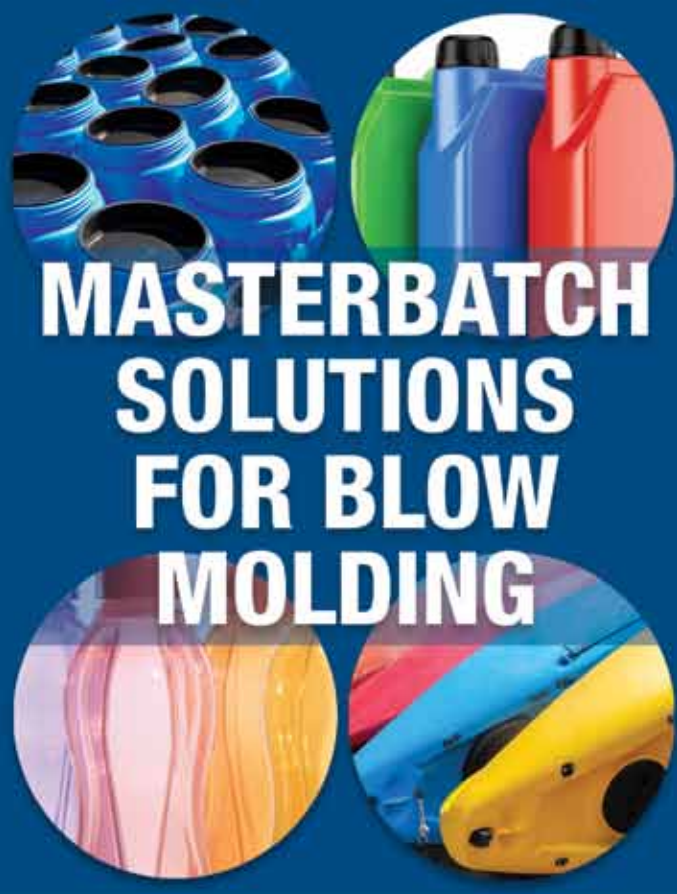
Explore our opportunities at

[jobs.thermofisher.com](http://jobs.thermofisher.com) and join our team.

What story will you tell?



**ThermoFisher**  
SCIENTIFIC



## MASTERBATCH SOLUTIONS FOR BLOW MOLDING



Techmer PM's blow molding solutions address key challenges facing blow molders and OEM's such as surface imperfections, processing efficiency, and helping your product get noticed by the end consumer.

- Purge Compounds
- Multi-Layer Color Systems
  - Metallic, Pearlescent, and Other Special Effects
  - Scuff Reducer
- Contents Protector
- Thermochromic Colorants

Learn More:  
[techmerpm.com/ABC](http://techmerpm.com/ABC)



## PLASTICS MACHINERY GROUP

THERMOFORMING | BLOWMOLDING | EXTRUSION | ROTATIONAL | AUXILIARY

- Machinery Sales • Sales • Appraisals • Liquidations
- Mergers & Acquisitions

*Providing the highest quality service and machinery*

31005 Bainbridge Road, Suite 6

Solon, Ohio 44139

Phone: (440) 498-4000 - Fax: (440)498-4001

*www.plasticsmg.com*

### One-Stop Shopping – Molds, Tooling, & Machinery



- Full 3-D bottle and mold engineering
- Extrusion blow mold tool building, repairs, and refurbishing
- Head and blow pin tooling
- Trim and transfer tooling
- Rapid shuttle molds
- In-house rapid shuttle mold sampling

Monroe Mold 1402 W Seventh Monroe MI 48161  
734-241-6898 [www.monroemold.com](http://www.monroemold.com) [info@monroemold.com](mailto:info@monroemold.com)



- Rotary wheel, mechanical wheel, accumulator, & shuttle machines, single screw extruders, & trimmers/de-tabbers
- Rebuilds/upgrades for **all brands** of blow molding & extrusion equipment including PLC controls
- Service tech support with 18 experienced field-service specialists – **The best in the industry!**

R&B Plastics Machinery 1605 E Woodland Dr Saline MI 48176  
734-429-9421 [www.rbpasticsmachinery.com](http://www.rbpasticsmachinery.com)  
[info@rbplasticsmachinery.com](mailto:info@rbplasticsmachinery.com)





## RAO Design International

- Design, Engineering and Product Development
- In-house precision fabrication of custom molds



- OEM Parts: Striker Plates, Deflashers, Blow Pins, etc.



- Experience in many plastic molding applications



- **Blow Molds in 2 weeks:** Fast turn-around time



- We build Molding machinery and Turnkeys
- Automated custom designed machinery
- Custom cutting and trimming equipment



- Plastic Prototyping or Trials



“From its inception in 1960’s, Rao Design continues to deliver competitive custom molds and solutions made in our mold and machine shop. RAO provides high quality and local accountability, all within a short lead time.”



**RAO DESIGN INTERNATIONAL, INC.**

9451 W. Ainslie, Schiller Park/Chicago IL 60176 USA Tel: (847) 671-6182  
 Fax: (847) 671-9276 www.raodesign.com e-mail: raodesign@aol.com

**Innovation Taking Shape**

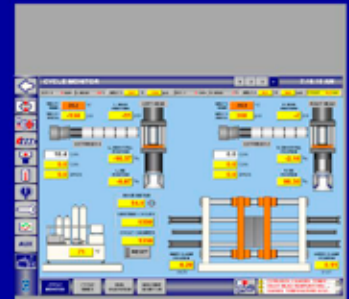


Single layer or multilayer. Low, medium or high volume. Shuttle or Wheel technology. Single machines to turn-key systems. Graham has the equipment and the expertise to help you meet your bottle making needs. We can help you create packaging with consumer appeal and product protection. Graham also supplies a full line of industrial accumulator head machines to meet your industrial molding requirements.

**Contact**

Scott Howland, Sales Director, (717) 505-4813, showland@grahamengineering.com

Jaime Marrero, Aftermarket & Retrofit Sales Manager, (717) 505-4838, jmarrero@grahamengineering.com



**CONTROL RETROFITS**

Graham offers PC control retrofits on our older machines and some competitive equipment with our award winning XBM Navigator System. From parison programmer replacements to complete electrical control systems we have the skill and experience to optimize your operation.

1203 Eden Road • York, PA 17402 • www.grahamengineering.com • (717) 848-3755

**TECHNOLOGY IN BLOW MOLD**



- High speed machining 5 axes latest technologies
- Software capabilities: Catia V5
- 3D LASER SCAN and reverse-engineering technology
- Working on 3 shifts, 7 days/week
- ISO 9001 (2008) certified includes clauses of ISO 16949

**Maximum Mold Capabilities:**

Length: 3 300 mm (130")  
Width: 2 800 mm (65")  
Height: 1 600 mm (50")



**New Manufacturing Site in Mexico**



Rocand Molde y Plastico  
Av. Mina de Guadalupe 858, Manzana 3  
Parque Industrial Puerto Interior, Santa Fe IV  
Silao, GTO Mx CP 36275

**Production Activity:**

- Tool Manufacturing
- Injection Molding (presses up to 900t)



- Twin Sheet Blow Mold
- In mold cutting
- In mold punching
- Unscrewing device
- Insert overmolding



 <p>PRIMATOR® PP - PE Amalloy® clear &amp; specialty polymers Color Concentrates Anti Microbial Compounds Anti Counterfeiting Compounds Track &amp; Trace Technology</p> 	 <p><b>ABS</b></p> <p>Lustran® ABS Lustran® SAN Lustran® SMA Lustran® Elite ABS Triax® ABS Alloys</p>  <p>Polypropylene Polystyrene Polyethylene</p>	 <p>Luran® SAN Luran S® ASA Luran SC® ASA/PC Novodur® ABS Styrolux® Clear SBS Copolymer Terblend N® ABS / Nylon Blend Terluran® ABS Terlux® Clear ABS (MABS) NAS® Acrylic Copolymer ZYLAR® Impact Modified NAS</p>	<p><b>EASTMAN</b></p> <p>DuraStar® Injection Copolyesters Ester® Injection/Extrusion Copolyesters Tritan® Copolyesters Provista® Flexible Extrusion Copolyesters Eastalloy® Cristal®</p>  <p>Enviroplas Compounds</p>	 <p>SABIC® PPPCompound</p>  <p>Formolene® Polypropylene</p>
<p>ECHO® Recycled Polypropylene ECHO® Recycled Polyethylene ECHO® Recycled Filled PP EnViramid® Post Consumer Nylon</p> <p>HYBRID PC Alloys HYLAC® ABS HYLEX Polycarbonate HYLON® Nylon 6 HYLON® Nylon 66 HYLOX PBT HYRILSAN HYSUN® ASA</p>	 <p>CaCO<sub>3</sub> Calcium Carbonate concentrates</p>  <p>HiFill™ Compounds / Concentrates Elastoblend® Impact Modified Compound Electrblend® EMI/RFI Electrically Active Lubriblend® Lubricated Compounds Magnblend® Magnetic Compounds Pleasblend® Alloys &amp; Blends Stetblend® Static Dissipative Compounds</p>	 <p>Enflex S® SEBS EZprene V® TPV Enflex V® TPV Enflex EA® TPE Ensoft® SEBS - SBS</p>  <p>Formerly Bayer Material Science</p> <p>Apec® Heat Resistant PC Bayblend® PC/ABS Desmopan Polyurethane Makrolon® PC/PET Mekrolon® Polycarbonate Texin® TPU</p>	 <p>Avantre® Ignition Resistant HIPS, PP, ABS ZYNTAR® Ignition Resistant PS</p>  <p>Technyl® FR Polyamide Technyl A® Nylon 66 Polyamide Technyl B® Nylon 66/6 Polyamide Technyl C® Nylon 6 Polyamide Technyl Star® High Flow Nylon</p>	 <p>Rigid PVC Flexible PVC</p>  <p>Emarex® Nylon 6 / 66 Navaloy® PC Blends Naxell® Polycarbonate</p>
 <p>Ultrason® Polysulfone / Ultrason® Polyethersulfone Ultramid® Nylon 6 &amp; 66 Ultradur® PBT Ultraform® ACETAL</p>  <p>HPPP Copylene™ CPPP Copylene™ RPPP Copylene™</p>	 <p>Acrylite® Acrylic Compounds Acrylite Plus® Impact Acrylic Compounds Cyrex® Super Impact PC/Acrylic Cyrovu HP2® Acrylic Compounds XT Polymer® Medical Acrylic</p>	 <p>Iupilon® Polycarbonate Iuplice® Modified PPE Reny® LEMALLOY® NOVAREX® XANTAR®</p>	 <p>AMCEL® Acetal Copolymer (POM) CELCON® Acetal Copolymer (PCM) CELANEX® Thermoplastic Polyester (PBT) CELSTRAN® LFRT FORTRON® Polyphenylene Sulfide HOSTAFORM® Acetal IMPET® Thermoplastic Polyester (PET) RITEFLEX® Copolyester Elastomer (COPE) THERMX® Polycyclohexylenedimethylene Terephthalate (PCT) VANDAR® Thermoplastic Polyester Alloys VECTRA® Liquid Crystal Polymer (LCP) ZENITE® Liquid Crystal Polymer (LCP)</p>	 <p>Siloxane® Mesterbatch</p>
 <p>Safoam® Foaming Agents</p>	 <p>NOVAPOL® Polyethylene SCLAIR® Polyethylene</p>	 <p>Marlex® PE MarFlex® PE mPact™ mPE</p>		

All logos and brand names are property of their respective trademark owners © 2015 Amco.

Proudly Servicing the Plastics Industry since 1955.

September 2015

Please Call Jeff Light at (401) 491-9523

## 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

### Ineos O&P USA

contributed \$1400 to our general education fund

### 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

# ASB-12M

Small | Versatile | Efficient

# ASB

Form Your Vision



NEW MACHINE

The new **ASB-12M** One-Step Injection Stretch Blow Molding Machine from Nissei ASB is capable of molding jars and small containers with excellent energy efficiency.

Small enough to fit in a laboratory... yet powerful enough to provide serious production output!

**Ideal for entry to PET blow molding.**



## NISSEI ASB COMPANY

125 Westlake Parkway, Suite 120 | Atlanta, GA 30336 | [www.nissei-asbus.com](http://www.nissei-asbus.com)  
Tel: +1 (404) 699-7755 | Fax: +1 (404) 696-9009 | [sales@nissei-asbus.com](mailto:sales@nissei-asbus.com)

Ask us how to reduce costs, improve properties, and improve sustainability of your bottles



### BOTTLES

- Natural calcium carbonate
- Specialty Chemicals



### SERVICE

- Technical customer service
- Expert skills
- Analytics



### LOGISTICS

- Optimized supply chain
- Flexibility
- Distribution network
- Warehouses



### R&D

- Interdisciplinary
- Targeted
- Cost-oriented
- Research clusters



### PRODUCTION

- Secure supply of raw materials
- State-of-the-art facilities
- ISO-certified quality control

Omya Inc. | 9987 Carver Rd, Suite 300 | Cincinnati, Ohio 45242 | USA  
Phone: 513 387 4600 | [www.omya-na.com](http://www.omya-na.com) | [kevin.krummel@omya.com](mailto:kevin.krummel@omya.com)



Attend comprehensive mini-sessions featuring instruction focusing on the technology, processes, troubleshooting and methodologies of blow molding at the [Annual Blow Molding Conference . . . . .](#)



## Total Tooling Package



**The Preferred Source for Superior  
Blow Molds and Tooling**

**11530 Brooklyn Rd.  
Brooklyn, MI 49230, 517.592.8988  
[www.mid-americanmachining.com](http://www.mid-americanmachining.com)**



# FIDELITY TOOL & MOLD LTD.

Leadership in Custom and Production Extrusion Blow Mold Tool  
Manufacturing and Maintenance

Fidelity Tool and Mold, Inc.  
1885 Suncoast Lane  
Batavia, IL 60510  
(630) 879-2300

[fidelitytool.com](http://fidelitytool.com)

## M.C. Molds, Inc



Extrusion Blow Molds, Spin Trimmer,  
Foam Molds, Vacuum Molds & Repair /  
Refurbishment.

125 Industrial Drive - Williamston, MI 48895

P. 517-655-5481

F. 517-655-4826

Email - [sales@mcmolds.com](mailto:sales@mcmolds.com)

Bill Simpson - Sales

P. 517-655-4734

F. 517-655-7400

Email - [johnp@jbjpam.com](mailto:johnp@jbjpam.com)

John Palazzolo - President

## JBJ

### Products & Machinery

Shuttle \ Long Stroke Molds



Mold Innovation



Inline Deflasher



Inline Neck Finishing



Stretch Blow Molds



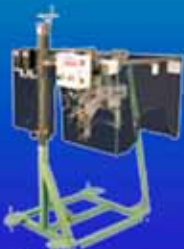
ABS Models &  
Unit Molds



Foam & Vacuum  
Molds



Inline Deflasher with Tail



Spin Trimmers



Transfer and Trim Tools



Recip Molds



Hydraulic Deflasher



Hand Load Deflasher



*“Technology That Pays For Itself”*

BARR Inc., established in 1976, is well known for its ET® “Energy Transfer Technology” and VBET® feed screw designs.

The “Energy Transfer Technology” products have set the standard for **High Performance, Energy Efficient** feed screws for blow molding, extrusion and injection molding markets.

**E.T.®**  
**V.B.E.T.®**



P: 517-759-5050

[www.robertbarr.com](http://www.robertbarr.com)

**PROCO**  
MACHINERY INC

**Celebrating 30 years of excellence  
in container automation**



- Proco Take out Systems
- Automatic Deflashers
- Robot Case-Packers
- Multipak Palletizers
- Leak Testers
- Flame Treaters
- Spout Insertion Machine



*Proco provides innovative cost effective automation solution.*

Call us today **905-602-6066**  
Visit us at [www.procomachinery.com](http://www.procomachinery.com)  
[info@procomachinery.com](mailto:info@procomachinery.com)



BOOST PERFORMANCE WHILE INCREASING  
**SUSTAINABILITY**

**SEALED  
COLOR™**

**SEALED  
ADDITIVES™**



**Riverdale  
GLOBAL®**

*Changing the way you think about color*



[www.riverdaleglobal.com](http://www.riverdaleglobal.com) / Tel: 610-358-2900

**Wittmann**

**Battenfeld**

## *Just Screw It!*

A Wittmann Battenfeld granulator with Auger Screw Ram can process those bulky scrap parts without pre-cutting with a band saw, or buying a larger granulator than needed for normal cycle scrap.



Save up to 50% on capital equipment cost by buying a smaller granulator to meet your cycle scrap needs and still be able to process the bulky thin wall scrap parts.

Other benefits of a smaller granulator than would normally be required:

- Reduced sound levels
- Reduced energy consumption
- Reduced footprint
- Reduced feed height
- Easier to cleanout and maintain

**Wittmann**  
EXTRUSION



Check out our screw in action at

<http://www.youtube.com/user/WittmannUSA>

world of innovation

[www.wittmann-group.com](http://www.wittmann-group.com)

[info.usa@wittmann-group.com](mailto:info.usa@wittmann-group.com)





The World of Blow Molding starts with Rocheleau Machinery

1938 Celebrating 75 Years 2013



RS-70



RS-25



SPB-3



R-4



CS-1

Cost effective blow molding systems from single up to 12 heads of production



RS-80



▶ Single Serve Bottles



▶ Non-Handled



▶ Wide Mouth Jars



▶ Dairy Bottles



▶ Industrial & Household



Rocheleau Tool & Die Co., Inc.

Rocheleau blow molding systems are designed with a modular format to accommodate a multitude of container sizes, shapes and packaging needs. Systems are designed to meet customer demands with consideration of productivity, space and capital investment.

17 Industrial Road, Fitchburg, MA 01420 USA • (978) 345-1723 • Fax (978) 345-5972 • www.rocheleautool.com

**Delta**  
ENGINEERING  
Solutions for the Blow Molding Industry



Packaging

Conveying

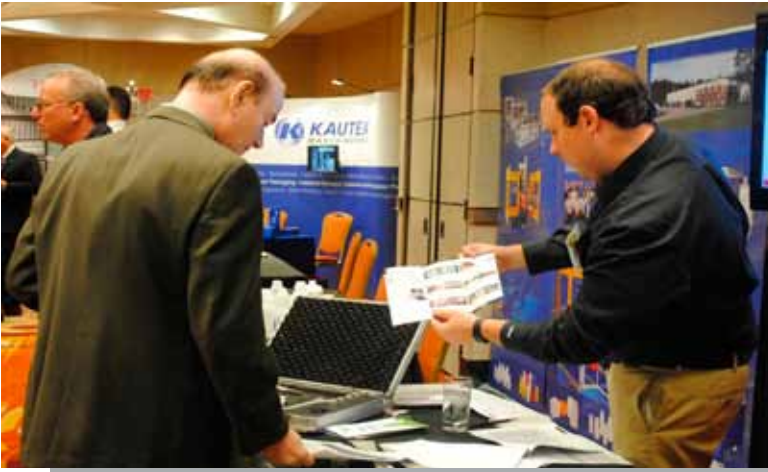
Finishing

Quality Control

Consulting

Take-out systems

Delta engineering Inc. - 1256 Oakbrook Drive Ste E, Norcross, GA 30093 - 678 250 6356  
www.delta-engineering-usa.com - sales@delta-engineering-usa.com



Simple, efficient, cost-effective

## PureFlo

Filterless receivers

### Why PureFlo?

- No filter to clean
- Stainless steel construction
- Patented design
- Abrasion resistant
- No more clogged conveying lines
- No need of compressed air
- Highest conveying efficiency, no pressure drops
- 99.99% air to material separation efficiency
- 0.25, 0.75, 1.5, 3.0 and 6.0 cu. ft. chambers standard
- The simplest to install, access, clean and maintain



## Una-Dyn

A Piovan Company



[unadyn.piovan.com](http://unadyn.piovan.com)

BLOW MOLDING - MOLDS, SAMPLING, MACHINE SALES, & SERVICES



FGH SYSTEMS INC

10 Prospect Place

Denville, NJ 07834 USA

Tel: (973) 625-8114 E-mail: sales@fghsystems.com

Fax: (973) 625-1442 Website: www.fghsystems.com

TURNKEY PACKAGES

TECHNOLOGY

- **Extrusion blow mold manufacturing** and tooling for all brand machines.
  - Single cavity unit molds to high cavitation production long stroke molds.
- **Eight (8) extrusion blow molding machines** for sampling and development.
  - COEX, pre-production, clean room, and state-of-the-art all electric lab machine.
- **Blow molding machine representations** and turn-key packages:
  - MILACRON Extrusion blow molding shuttle machines (UNILOY - B&W).
  - OSSBERGER Pressblower injection blow molding machines.
  - AOKI Stretch blow molding machines (Northeast USA).
  - EISBAR Air cooling, drying, and dehumidification systems.



MOLD MANUFACTURING



COMPLETE PACKAGE



HIGH CAVITATION



TECHNICAL CENTER

Serving the blow molding industry since 1976



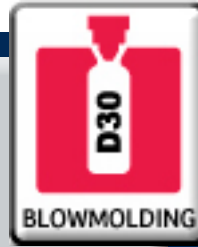
Extrusion blow molding

Kautex Maschinebau is your single source supplier of machines and turn-key systems - since 1935.

Find more at: [www.kautex-group.com](http://www.kautex-group.com)

The result after 80 years  
More than 6,100 active machines – worldwide

Become a member...  
 Join the  
 SPE Blow Molding Division



Society of  
 Plastic Engineers



**Amsler Equipment Inc.**  
 Reduce your bottle costs!

**PET Stretch Blow Molders**



PET Technology

**All Your Stretch Blow Molding Needs**

- ◇ Bottle Development
- ◇ Pre-production Pilot Runs
- ◇ Stretch Blow Molders and Auxiliaries
- ◇ After-Sales Support
- ◇ Seven Support Offices Around North America

**Leak Testers & Spin Trimmers**



**Blow Molding Machine Capabilities**

- ◇ Wide-Mouth Jars
- ◇ Oval Bottles
- ◇ Use Your Existing Molds
- ◇ 15-Minute Changeovers



All Electric

**Made RIGHT in North America!**



[www.amslerequipment.net](http://www.amslerequipment.net)

## CHAIRPERSON



Jamie Pace  
Nissei ASB Company  
125 Westlake Pwky, Suite 120  
Atlanta, GA 30336  
Ph: 404/969-3105 Fax: 404/696-9009  
Cell: 404/502-4508  
E-mail: j.pace@nissei-asbus.com

## CHAIR-ELECT



Cal Becker  
Eastman Chemical Co.  
137 Regional Park Dr.  
Kingsport, TN 37660  
Ph: 301/606-2544  
E-mail: cjbecker@eastman.com

## PAST CHAIRPERSON



Jeffrey S. Light  
Amco Polymers LLC  
43 Forest Glen Drive  
Hope Valley, RI 02832  
Ph: 401/486-3250 Fax: 401/486-9523  
E-mail: JLight@AmcoPolymers.com

## FINANCE CHAIRPERSON, COUNCILOR



Scott Steele  
Plastic Technologies, Inc.  
1440 Timberwolf Drive  
P.O. Box 964  
Holland, OH 43528  
Ph: 419/867-5403 / 867-5400  
Fax: 419/867-7700 Cell: 419/392-2711  
Email: s.steele@plastictechnologies.com

## SECRETARY



George Hurden  
Kautex Machines Inc.  
01 Chambers Brook Road  
North Branch, NJ 08876  
Ph: 908/252-9350 Cell: 203/605-3305  
E-mail: George.Hurden@Kautex-Group.com

## TREASURER



Benjamin Lopez  
Kautex Maschinenbau GmbH  
Kautexstrasse 54  
Bonn, Germany 53229  
Ph: 0049/170 7850887  
FX: 0049/228 489 404 Cell: 517/402-6346  
E-mail: benjamin.lopez@kautex-group.com

## TECHNICAL PROGRAM CHAIRPERSON



Surendra Agarwal  
Creative Group of Industries  
501, Embassy Center  
Nariman Pt., Mumbai 400005  
Ph: 91-22-4078-0000 FX: 91-22-4078-0023  
Cell: 91-98-2091-2457  
E-mail: surendra@creativeplasticindia.com

## EDUCATION CHAIRPERSON



Geoff Ward  
Agri Industrial Plastics  
301 N. 22nd Street  
Fairfield, IA 52556  
Ph: 641/472-4188 FX: 641/472-7120  
E-mail: geoff.ward@agriindustrialplastics.com

## MARKETING CO-CHAIRPERSONS



Brian Spence  
Cell: 919/475-0692  
E-mail: bspence@yahoo.com



George Rollend  
DAK Americas, LLC  
38 Green Road, Amherst, NH 03031  
Ph: 603/672-6403 Cell: 302/547-1054  
E-mail: grollend@dakamericas.com

## MEMBERSHIP SUB-COMMITTEE CHAIR



Henry Vogel  
Heise Industries  
196 Commerce St.  
E. Berlin, CT 06023  
Ph: 860/828-6538 Cell: 610-349-0164  
E-mail: henryv@heiseindustries.com

## NEWSLETTER EDITOR



Ron Puvak  
Plastic Technologies Inc.  
1440 Timberwolf Drive  
Holland, OH 43528  
Ph: 419/725-5613 Cell: 419/708-1486  
E-mail: r.puvak@plastictechnologies.com

## AWARDS SUB-COMMITTEE CHAIR



John Rathman  
Chevron Phillips Chemical Co. LP  
Plastics Technical Center, Room 155  
Highways 60 & 123  
Bartlesville, OK 74003-6670  
Ph: 918/977-4879 Fx: 918/977-7599  
Cell: 918/327-9378  
E-mail: rathmjr@cpchem.com

## WEBSITE SUB-COMMITTEE CHAIR



John Sugden  
The Dow Chemical Company  
4333 Building Midland, MI 48667  
Ph: 989/636-9533 Cell: 989/245-0819  
E-mail: jlsugden@dow.com

## STUDENT DESIGN COMPETITION SUB-COMMITTEE CHAIR



Ken Carter  
Deere & Company  
One John Deere Place, MTIC  
Moline, IL 61265  
Ph: 309/765-3765 Cell: 608/432-9457  
E-mail: CarterKennethJ@JohnDeere.com

## PARTS COMPETITION COMMITTEE CHAIR



Lewis Ferguson  
Parisons  
9900 Sunset Drive  
Stone Harbor, NJ 08247  
Ph: 609/368-7230 Cell: 313/506-4637  
E-mail: parisons@aol.com



## SCHOLARSHIPS SUB-COMMITTEE CHAIR



Mark Heitker  
INEOS Olefins & Polymers, USA  
Technical Center  
1230 Independence Parkway South  
LaPorte, TX 77571  
Ph: 713/307-3702 FX: 713/307-3521  
Cell: 713/819-3702  
E-mail: mark.heitker@ineos.com



Randy Moynihan  
Chevron Phillips Chemical Co. LP  
205 PTC/BTC, Highways 60 & 123  
Bartlesville, OK 74004  
Ph: 918/661-0640 Fax: 918/661-0311  
Cell: 918/440-4090  
E-mail: MOYNIRH@cpchem.com



Piaras de Cléir  
The Coca-Cola Company  
One Coca-Cola Plaza  
Atlanta, GA 30313  
PH 404-676-5429  
Cell: 404-353-0104  
E-mail: piadecleir@coca-cola.com



Gary Carr  
Bekum America Corp.  
1140 W. Grand River  
Williamston, MI 48895-0567  
Ph: 517/655-7135 FX: 517/655-4121  
Cell: 517/881-5764  
E-mail: gcarr@bekumamerica.com



Dale Klaus  
Quality Custom Molding  
209 W. Main  
Linn, MO 65051  
Ph: 573/897-4166 Fax: 573/897-3482  
Cell: 314-223-5483  
E-mail: dKlaus@qualitycustommolding.com



Bob Jackson  
Jackson Machinery, Inc.  
3830 Highway H  
Port Washington, WI 53074  
Ph: 262/284-1066 FX: 262/284-5466  
Cell: 414/828-3830  
E-mail: bobJ@jackson-machinery.com



Mohammed Usman  
Ford Motor Co.  
20000 Rotunda Drive, Suite 24G23  
MD 1222  
Dearborn, MI 48124  
Ph: 313/805-9797 FX: 313/621-4707  
E-mail: musman@ford.com



John Headrick  
NAMPAC  
4101 Lake Boone Trail, Suite 201  
Raleigh, NC 27607  
Ph: (905) 751-1828 FX: (905) 751-2390  
E-mail: john.headrick@nampac.com



David Hayward  
Silgan Plastics  
1858 Meca Way  
Norcross, GA 30098  
Ph: 770/243-5201 Cell: 678/772-9458  
E-mail: d.hayward@silganplastics.com



Kathy Birchmeier  
Kraft Foods  
801 Waukegan Road  
Glenview, IL 60025  
Ph: 847/646-3699 Cell: 847/331-4148  
E-mail: kathryn.birchmeier@kraftfoods.com



Donald Maines  
Triad Precision Products  
128 Sunrise Center Drive  
Thomasville, NC 27360  
Ph: 336/474-0980 FX: 336/474-0981  
Cell: 336/880-1526  
E-mail: donm@triadpp.com



Rama Etekallapalli  
Arch Plastics  
2010 Polymers Drive  
Chattanooga, TN 37921  
Ph: 423/553-7751 Cell: 765/404-9967  
E-mail: retekallapalli@archplasticsllc.com



Robert DeLong  
Blasformen Consulting  
4914 Maple Terrace  
Kingwood, TX 77345  
Ph: 281/360-5333  
E-mail: done7106@earthlink.net



Robert Slawska  
Proven Technology, Inc.  
5 Woodshire Way  
Hillsborough, NJ 08844  
Ph: 908/359-7888 or 908/759-2407  
Fax: 908-359-1006  
E-mail: rslawska@aol.com



Don Peters  
Phillips Chemical-Retired  
154 PTC, Highway 60 & 123  
Bartlesville, OK 74004  
Ph: 918/661-3117 FX: 918/662-2220  
E-mail: judopeters@aol.com

Division  
Coordinator



Deirdre Turner  
42 Regal Drive  
Rochester Hills, MI 48037  
Ph: 248/505-5136  
E-mail: deirdre.turner@gmail.com

