

# Purging Perspectives

**SHUMAN**  
**Dyna-Purge**

Productivity Begins with Purging™

**THE NEWSLETTER WITH  
LEADING EDGE SOLUTIONS  
VOLUME XI, SUMMER 2003**

**C A L E N D A R**



Visit Dyna-Purge at the  
National Plastics Exhibition  
Booth 2013 South  
McCormick Place  
Convention Center, Chicago, IL  
June 23 - 27, 2003

**SEE YOU THERE!**

## **WE'RE ONLY A PHONE CALL AWAY**

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## **CALL US! FAX US! E-MAIL US!**

**WE WANT TO HEAR FROM YOU**

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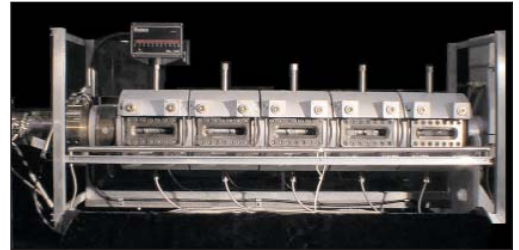
[www.dynamurge.com](http://www.dynamurge.com)

## **MACRO ENGINEERING & DYNA-PURGE TEAM UP AT NPE 2003**

In a marketing alliance announced by Macro Engineering & Technology, Inc. and Shuman Plastics, a "one-of-a-kind" extruder with glass windows will be demonstrated at NPE 2003 using colored resins and Dyna-Purge thermoplastic purging compounds.

The demonstration will take place at the Macro Engineering Booth #5961 North. This extruder features five window panes in the barrel to allow observation of the resin melting and being purged in the barrel as the machine screw operates. According to Macro Engineering's Marketing Manager Adolfo Edgar, the new extruder is ideal for research and development, education, laboratory testing, and prototype production runs.

The demonstration model will be operated in the Macro Engineering booth using colored resins supplied by Shuman



Plastics and purged using Dyna-Purge M, a non-chemical, non-abrasive purging compound designed for a wide range of resins at 350°F to 600°F (177°C to 315°). A 1 1/2 minute DVD of the demonstration will be shown on a 50-inch plasma screen at the **Dyna-Purge Booth - #2013 South**.

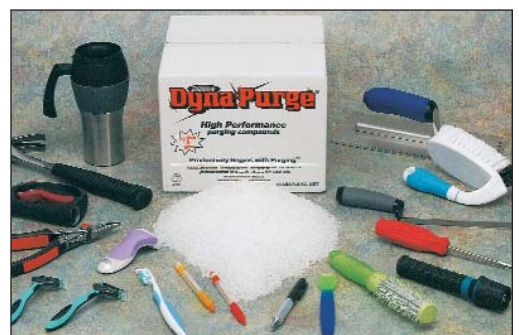
Personnel will be on hand at both booths to answer questions and provide additional information. **Come visit us** and learn more about how Dyna-Purge cleans on the first pass, saving the plastics processor time and money, while reducing scrap.

## **NEW DYNA-PURGE K- THE 1<sup>ST</sup> PURGING COMPOUND DESIGNED SPECIFICALLY FOR SOFT TOUCH POLYMERS**

Responding to the growing use of "soft-touch" polymers, such as TPO, TPE, TPV, and TPR, Dyna-Purge is introducing new Dyna-Purge K.

Designed for injection molders and extruders processing soft-touch polymers at temperatures ranging from 290°F to 500°F (143°C to 260°C), Dyna-Purge K responds to current market developments.

"Increased demand for more ergonomic, soft-touch products has led to processing changes such as over-molding and co-injection molding of soft-touch polymers onto other polymers," says Kenneth Shuman, Vice President of Shuman Plastics. "These applications typically require numerous color



changes, for which Dyna-Purge K purges faster and more economically than using in-house resins or other purging agents."

Come see this exciting new product at the NPE show, Booth #2013 South or call us at 716-685-2121 for a free trial sample.

## **IS DYNA-PURGE PART OF YOUR PREVENTATIVE MAINTENANCE PROGRAM?**

Start Saving Time & Money Today!  
We'll help you establish consistent  
and reliable purging procedures.

**CALL: 716-685-2121**



Productivity Begins with Purging™

# C A S E S T U D Y

## THANKS FOR YOUR COMMENTS

### DYNA-PURGE REDUCES INITIAL SCRAP RATE BY MORE THAN 90%

JC Tec Industries, using Dyna-Purge V, is saving approximately \$5,000 annually.

#### THE PROBLEM:

JC Tec Industries in Annnville, Kentucky, is a contract manufacturer of plastic components including insulators, cams, gears, end caps, rollers, ball valves, cable assemblies, latches, bearing inlets and other parts.

Changing over from flexible PVC to acetal resin in the production of bicycle tires for training wheels is the company's most difficult purging challenge. At a running rate of 200 parts-per-hour, and using its own resin to purge, JC Tec experienced a scrap rate of 20% during the first hour, resulting in an average of 40 defective parts being discarded.

Two Van Dorn 230 cold runner injection molding machines (50mm screw size), operating at a barrel temperature of 330°F to 350°F would be purged up to five times weekly. This translated into as many as 200 defective parts per week, with an additional cost of resin and machine downtime in excess of \$175.

**On an annualized basis, it was costing the company more than \$9,000 to purge using in-house resins.**

#### SOLUTION:

Use 3 lbs. of *Dyna-Purge V*, a grade specifically designed for purging rigid and flexible PVC from injection molding or extrusion equipment at 320°F to 400°F (160°C to 204°C).



Owner Judy Schmitt and machine operator Tabatha Sizemore inspect parts in front of one of two Van Dorn injection molding machines JC Tec operates. Since using Dyna-Purge, the company has reduced scrap rates significantly, increased productivity and lowered its cost to purge by 52%.

#### RESULTS:

The scrap rate during the first hour was reduced from 20% to 1.5%, resulting in an average of only three defective parts-per-purge. This dramatically improved inspection, production, and scrap rate efficiencies.

**By using Dyna-Purge V, to purge each time, JC Tec Industries lowered its purging costs by 52%.**

**To have your Case Study featured, call Tim Cutler at 716-685-2121.**

**Dyna-Purge M:** *We couldn't function without this good stuff! A small amount every changeover/purge saves us hundreds of hours per year.*

- Ed Popke, Loveland, CO

**Dyna-Purge M:** *Works great for cleaning screw during color changes!*

- Jeff Adams, Lewisville, NC

**Dyna-Purge M:** *We used your product to purge Sarlink and Santoprene. It performed better than the previous brands that we used.*

- Joe Hanzel, Harrisburg, PA

**Dyna-Purge X:** *We have been using your purge for about a year now. It is working really well.*

- Ricky Blackwell, McBee, SC

Send us your comments today! We are interested in hearing from you. Your opinion is very important and we would like to share it with others. If we print your comments, we'll send you our "new" Dyna-Purge cap as a thank you.

#### New! Dyna-Purge Brochure



- Easy to Use
- New Products Listing
- Product Selection Guide
- Comparative Purging Analysis

**Call: 716-685-2121 for a copy today!**

PLEASE PASS THIS NEWSLETTER ON TO APPROPRIATE INDIVIDUALS/PLANT MANAGER. THANKS!

FAX: 716-685-3236

- PLEASE LET ME KNOW MORE ABOUT DYNAPURGE.
- I DON'T WANT TO WASTE RESINS OR TIME!
- PLEASE REMOVE MY NAME FROM FUTURE MAILINGS.

FAX BACK FORM

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