

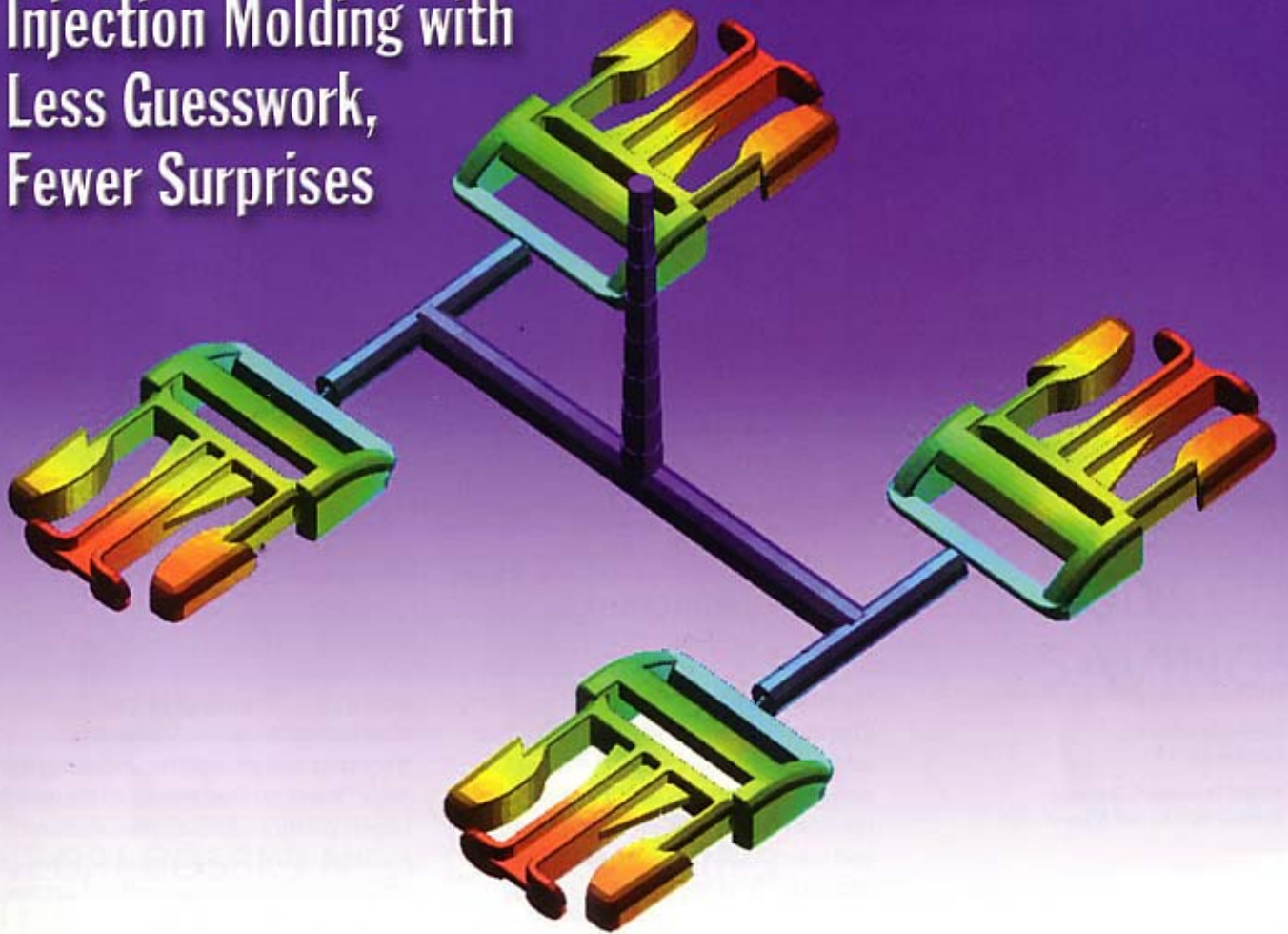
# Plastics Technology

A GARDNER PUBLICATION/AUGUST 2007  
WWW.PTONLINE.COM

THE ONLY MAGAZINE FOR PLASTICS PROCESSORS

## 3D SIMULATION

Injection Molding with  
Less Guesswork,  
Fewer Surprises



How to Recycle E-Waste  
p. 48



New Molding Processes  
at K 2007  
p. 33





### Speedier Machine For Industrial Containers

A new continuous-extrusion blow molder for industrial containers is said to significantly improve output. Model S900-900 from Techne North America Inc., Aurora, Ont., makes 25L containers weighing 1200 g in 38 sec compared with 50 sec on standard machines, the company claims. The new press incorporates Techne's Veltech fast-cooling technology, which was launched at NPE 2006. Cooling time is reduced by increasing the flow and speed of water in the mold and changing the temperature and humidity of the blowing air. A special heat exchanger comes with the system.

The single-sided machine has a 900-mm stroke and 900-mm clamp opening to accommodate containers up to 30L. A two-cavity model is also available. A key application is HDPE agricultural chemical containers.

Tel: (905) 751-1828 • [www.techne-it.com](http://www.techne-it.com)

### 750-ml PET Wine Bottle Debuts in North America

North America's first full-size (750-ml) PET wine bottle features the MonOx-bar monolayer barrier system from Constar International Inc. in Philadelphia. The new bottles are used for Yellow Jersey wines, a new line of wines from Boisset Vins & Spiritueux in France's Burgundy region. Constar supplies PET preforms with its proprietary active oxygen scavenger to blow molder MPI Packaging, Mississauga, Ont.

The 0.015-in.-thick barrier bottle provides the required 12- to 18-month shelf life. The wine is produced in France and bottled in Canada. The Liquor Control Board of Ontario pushed the conversion from glass to PET for greater environmental sustainability, according to Constar. The stretch-blow molded bottle has an embossed pattern and roll-on aluminum closure. Constar: (215) 552-3700 • [www.constar.net](http://www.constar.net)



### The Complete Part Design Handbook

By E. Alfredo Campo  
ISBN: 978-1-56990-375-9  
\$299.00

Thousands of hours of research and cross-referencing have gone into the completion of this work. In addition, the "hands-on" knowledge of a plastics expert with more than 35 years

experience incorporated this handbook and makes it an invaluable tool for any designer facing the challenges of our global plastics industry.

For more information visit our website where you can see sample pages and the complete Table of Contents.

**HANSER  
GARDNER**  
PUBLICATIONS

To Order:

Call: 800-950-8977 or 513-527-8977

Fax: 800-527-8801 or 513-527-8801

On-line: [www.hansergardner.com](http://www.hansergardner.com)