

# RubberWorld

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## 2011 Machinery & Equipment

Energy efficient elastomer injection molding machinery

Thermal solutions deliver advanced mold temperature uniformity

O-ring surface inspection with 3D metrology

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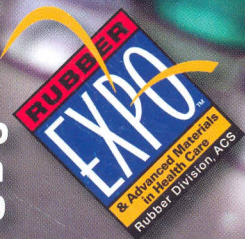
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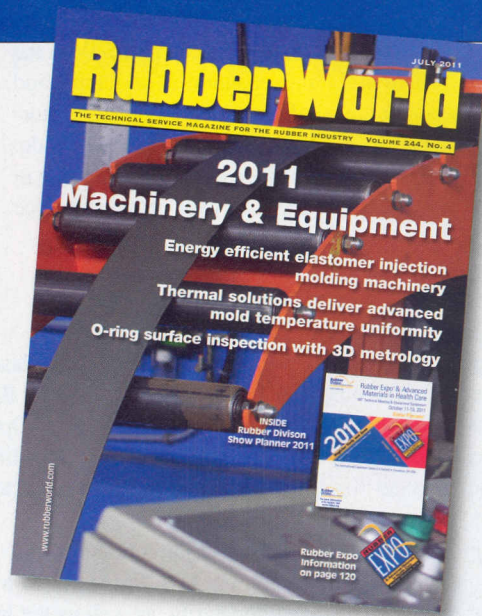
by Volker Krell, Desma. Enhancements to rubber and silicone injection molding machines to improve energy efficiency are discussed, including variable capacity hydraulic pumps, servo technology, fluid temperature control units, energy management control systems, use of cold runner technology, process optimization and cure time reduction.

### 22 Thermal solutions deliver advanced mold temperature uniformity

by Tayte Lutz and Douglas Smith, French Oil Mill Machinery, and Joe Ouellette, Acrolab. Isobar and Isoplaten thermodynamic technology applies more uniform cure rates at optimum processing temperatures, which decreases cycle times, reduces maintenance and lowers energy costs.

### 24 O-ring surface inspection with 3D metrology

by Jorge Ramirez, Nanovea. The Nanovea ST400 3D Profilometer can precisely characterize both the topography and the nanometer details of the o-ring surface for research and development or quality control procedures.



### 27 New, used and rebuilt machinery directories

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