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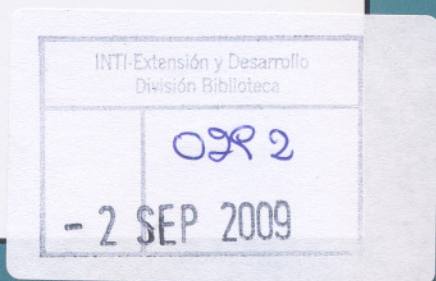
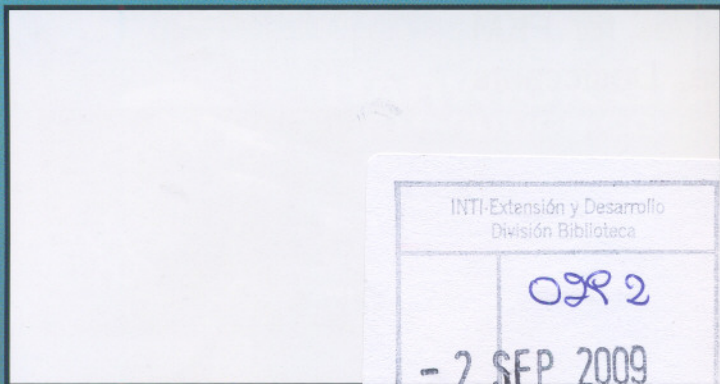
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Machinery & Equipment

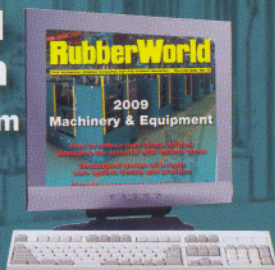
How to reduce cure times without damaging the material with excess shear

Rheological design of a rapid cure system theory and practice

Extruder gear pump systems for straining applications in the mill room



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FEATURES

16 Process Machinery: Wasteless injection/ transfer molding

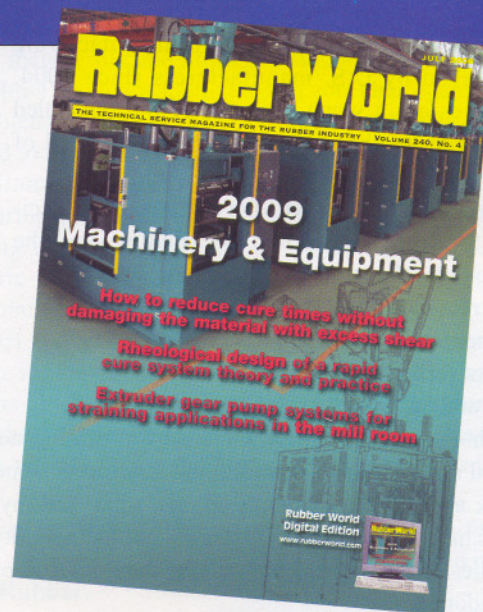
by Jim Chiofalo, Polymer Machinery, and Anita Lin and Wen Lai, Pan Stone. An injection/transfer molding machine has been developed that eliminates the need for a mill and eliminates the transfer pad at a competitive price.

19 Reduce cure times with- out damaging material with excess shear

by John Mohl and Tim Graham, Rep. This article aims at analyzing the rubber injection process and highlighting the limits that prevent cure time from being reduced; solutions are proposed to overcome these limits and industrial applications are shown.

25 Extruder gear pump systems for straining applications in the mill room

by David Grepp and Mike Slone, VMI-AZ Extrusion. Extruder gear pump systems are introduced for use in rubber straining with outputs from 3,500 kg/hour to 4,800 kg/hour, depending on the compound's specific gravity.



Cover photo: Courtesy of Rep.

29 Rheological design of rapid cure system

by Jan Gogolin, F. Svaricek and V. Härtel, Universität der BW München, and Peter Lipp, YellowBox Engineering/LWB. Rheological and thermal behavior of the EFE injection molding system is examined.

35 New/used/rebuilt machine directories

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