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FEATURES

22 Blowmolding: packaging segment strong at NPE 2006

over the last decade, going from almost nowhere to almost everywhere, including resistant markets such as beer and other alcoholic beverages.



24 Compounding growth by leaps and bounds

More choices, higher filler levels, and greater cost pressures combine to change the industry.

Plus ...

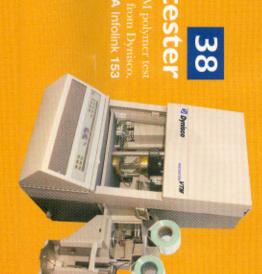
Size Reduction Equipment Buyer's Guide, Extrusion Downstream Equipment Buyer's Guide, and more than 50 new products, including

10 Product Focus: Mold components



Polymer tester

Rheometer VTM polymer test instrument from Dynisco. **(PPM&A** Infolink 153)



MCCESIEVE

Machining center

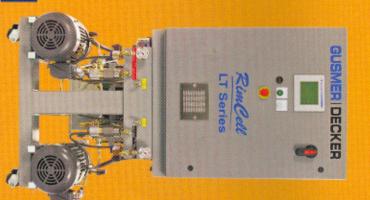
MCC-VG Series horizontal machining centers from Makino.

①PM&A Infolink 147



Hot runner

Sidegate hot runner nozzle from Männer International. **①PM&A** Infolink 103



RIM metering and dispensing

RimCell I.T metering and dispensin unit from Gusmer | Decker. ①PM&A Infolink 155

rocess

MIX-AND-MATCH MACHINE CONTROLS

through a central control. formance while lowering costs. The open-system design is built off a Profibus high-performance Fieldbus protocol. This structure allows control function to be distributed among several different systems instead of all functions running sing a modular control system from different vendors, Freedom Series injection molding machines from HPM-Sandretto reportedly improve per-

WinCC software is used for human-machine interface. Siemens WinAC PLC software handles system-control functions. Siemens A Delta Computer Systems RMC100 motion control powers hydraulic mo-tion control while a Siemens industrial PC677 running windows XP with

operating efficiency. The company also reported faster loop-time rates—the amount of time needed for the hydraulic control to close the gap between the devisit www.deltamotion.com. To contact HPM, go to www.taylorsind.com. sired state and the actual hydraulic performance. For more information on Delta motion control based on actuator position to control based on machine pressures with relative ease. The machines feature proportional hydraulic servovalves for HPM reports that the Delta RMC controls are able to move from hydraulic



aroma to resin **Blenders bring**

ral breathability, which keeps the products strongly scented for up to can wear off. resin, it has a longer service life than competitive scented coatings, which scent is integrated throughout the five years. Rotuba says that since the the smells efficiently and offers a naturesin. The material reportedly absorbs blenders to integrate aromas into the cellulose compounds, and uses the cently launched the Auracell line of compounder Rotuba Extruders rechoice of up to 30,000 scents. Custom and colored cellulosic grades, with a acetate resins, producing clear amber to integrate fragrances into cellulose wo custom-designed paddle blenders from Munson are used

son blenders with a working volumetric capacity of 225 ft3, specifying the macleaning the paddles due to their low chines in part because of the ease of Rotuba uses two customized Mun-The company com-



compounded materials for extruding 4000 lb. and pelletizing, with batches averaging the bottom of the drum empties the other chemicals in each blender 180°F-200°F. After mixing, a valve at pounds cellulo

learn more, visit third Munson paddle blender. enough that Rotuba is considering a can damage them. The units run 24/5, and have performed well the powder-like cellulose material less steel covers. An air-purge system frees the seals of contaminants since occupying a combined footprint of 50 ft². The blenders also feature heat imately 12 ft2, with the two blenders drive under the machine rather than plished by designing the gearbox feature a compact footprint, accomjackets, carbon-steel tanks, and stainon its side. unique requirements, the blenders www.munsonmachinery.com. To meet the product and plant's This feature saves approx-

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