

total of 12 cavities, FGH reports, adding, “The machine is designed for high output production and with a space saving footprint due to pick and place system with vacuum suction pads transferring the bottles from the trim station to a single exit conveyor belt.” The machine will produce 32-oz HDPE bottles with a complete mold and tooling package supplied by FGH.

[www.fghsystems.com](http://www.fghsystems.com);

[www.uniloy.de](http://www.uniloy.de); Booth 2551.

• **Processing Technologies International (PTi)**, Aurora, Illinois, USA, a global manufacturer of high-performance sheet extrusion machinery, will exhibit its “dryer-less” twin-screw sheet-extrusion production system; the company will also show its latest sheet-handling systems, including a new three-position turret winder. The dryer-less sheet-extrusion system is an eco-conscious manufacturing solution that delivers major energy savings and cost reduction, PTi says, adding that PTi has invested over \$3 million to install the unit at company headquarters for North American customers. The production-scale unit, capable of processing rates in excess of 2000 lb/hr (900 kg/hr), runs a variety of resins including post-consumer and industrial PET/PLA. PTi says that the “energy-efficient process relies on Italy’s Luigi Bandera’s patented High-Vacuum Twin-Screw Extruder (HVTSE) technology, which allows PET to be processed without the need for raw material drying and crystallizing.” [www.ptiextruders.com](http://www.ptiextruders.com); Booth 6885.

• **FGH Systems** will also exhibit

the **Ossberger** Pressblower Injection Blow Molder DSE 80. Ossberger is located in Weissenburg, Germany. [www.ossberger.de](http://www.ossberger.de). Booth 2551.



Ossberger DSE 80.

• **ADG Solutions**, Fairfield, Connecticut, USA, will demonstrate a new PLC control for the **Davis-Standard** ram stuffer extruder, which reportedly increases productivity for recyclers of low-bulk-density polymer scrap such as films, fibers, and thermoformed sheet. ADG Solutions is the exclusive North American distributor of Davis-Standard reclaim and compounding equipment.

The new control maximizes efficiency in reprocessing lightweight scrap, says ADG Solutions: “Bulk density variations in light feedstocks can range as widely as 10%, 20%, or even more, causing substantial reductions in extruder throughput. The PLC control now available on the ram stuffer automatically monitors motor amperage and eliminates the operator adjustments that until now were needed to increase productivity.” Designed specifically for light feedstocks, the extruder has a pneumatic reciprocating ram



[WWW.FISA.COM](http://WWW.FISA.COM)  
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mounted at the feed throat that stuffs material into the screw, ADG says, adding, "The new PLC control adjusts the timing of the ram stroke in accordance with variations in extrusion drive amperage caused by changes in material bulk density. Since the ram cycle governs the rate at which material is fed into the extruder, the automated PLC control ensures that production will continue at the maximum level as measured in pounds per hour. The control system can be retrofitted on existing ram stuffer extruders." [www.adg.net](http://www.adg.net). Booth 4855.

• **Synventive Molding Solutions**, Peabody, Massachusetts, USA, will display its latest hot-runner-system technologies in three main areas, focusing on: automotive hot runner systems; advanced flow-control hot-runner systems, including eGate, a new electronically controlled system that can control and regulate up to 64 valves individually; and Plug 'n Play hot-runner systems. Synventive's European market is served by the company's facility in Bensheim, Germany; North America is served by the company's site in Massachusetts; and the Asian market is served from Suzhou, People's Republic of China. The company has sales and service representatives in 26 countries. [www.synventive.com](http://www.synventive.com); Booth 1973.

• **Invensys Eurotherm** will demonstrate the MACO Compact Control family, which it describes as having a "highly integrated, application specific logic control platform that features built-in diagnostics, process monitoring, advance processing and unsurpassed temperature control ... The MACO Compact system upgrade delivers precise processing features that can provide better control during the molding process to improve part quality, save energy and reduce waste. The expandable MACO Compact Control System for injection molding machines features Eurotherm's Impact II closed-loop process control. ... Impact II creates a theoretical model of the injection molding process after only a few cycles and uses that model along with hundreds of rules to compensate for any deviations."

Eurotherm will also display its MACO Compact System for the **Van Dorn** HT Machine line in which the original control systems are no longer supported by the OEM in the field. "This is the totally integrated, expandable control solution for HT owners who want a cost-competitive, reliable solution for maximizing machine potential," the company says. [www.invensys.com](http://www.invensys.com); Booth 2112.

• **Elastocon TPE Technologies**, Rochester, Illinois, USA, will showcase a new TPE (thermoplas-

tic elastomer), Elastocon 8078NL. Some typical applications include automotive products and non-automotive transportation products such as cup holders and storage tray bins, farm equipment, marine products, lawn and garden tools, and many other consumer or industrial products. The company says that this latest addition to the Elastocon 8000 series of multipurpose TPEs also provides shock-deadening and sound-deadening qualities, if desired. And the 80 Shore A hardness grade has a reduced coefficient of friction, resulting in a surface that minimizes collecting dust and debris; it also offers improved scratch and mar resistance. [www.elastocon-tpe.com](http://www.elastocon-tpe.com). Booth 57021( TPE Pavilion in the North Hall).

• **Foremost Machine Builders Inc.**, Fairfield, New Jersey, USA, will have four machinery displays:

The model AT-4540-VII-ATVL gravimetric blender, a floor-mounted four-component unit mounted on a distribution box, equipped with vacuum chambers on each component. Highlighted on this display will be the FDP-VII-ATVL control package, which can control up to six blending components, two vacuum pumps, and eight vacuum loading stations.

A VF series vacuum loader package. The VF series loaders incorporate a centrifugal pump driven by a TEFC motor, with an