



**Small-Tip Nozzles Suited for Edge-Gate Injection**

Thermoplay's DL-8B and DL-1B nozzles are designed for edge-gate injection when injection points are located in critical positions and the shape of the part to be molded requires use of a small tip.

The DL-8B features an extended tip for double-sided injection. It is primarily used for internal injection of small plastic parts, plastic caps and extended containers. The heated part of the nozzle doesn't touch the surface of the part, preventing spots and defects from forming. The distance from the injection point to the nozzle axis can be customized.

The DL-1B nozzle also features an extended tip and can be used both for internal and external injection of parts. In addition to the distance from the injection point to the nozzle axis, its tip inclination also can be customized to as much as 55 degrees. The nozzle is available in diameters of 18, 22, 30 and 44 mm.

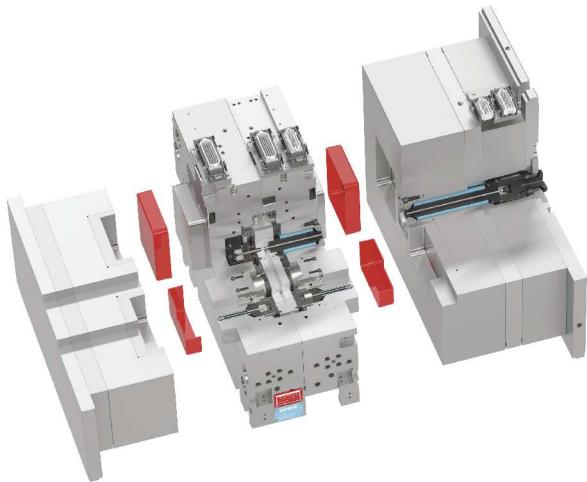
**Thermoplay SpA / 39-125-800311 / thermoplay.com**

**Sequencer Controls Speed of Valve-Gate Pin**

The Smart Gate valve-gate sequencer from **Plastic Engineering & Technical Services** is designed to independently control the opening and closing velocity of each valve-gate pin by controlling the flow of hydraulic oil to the valve-gate cylinder. By slowly opening the valve-gate pin, the sequencer prevents lines from big pressure drops, as well as direct-gate blemishes, from forming on the part, the company says.

The device offers a larger process window and touchscreen control. It can be moved from press to press and used with virtually any valve-gated hot runner system, eliminating the need for added controls on each hot runner system.

**Plastic Engineering & Technical Services / 248-373-0800 / petsinc.net**



**Nozzle and Cylinder Lines Expanded**

**Mold Hotrunner Solutions (MHS)** has expanded its lines of internally actuated Rheo-Pro iVG nozzles and manifold-mounted Black Box cylinders to cover a larger variety of plastic part applications. According to the company, the products are built entirely without O-rings so that virtually no amount of heat or force can wear them out, even at temperatures of 850°F. Since the pistons have no soft seals or lubrication, they require virtually no maintenance over the life of a mold, offering an advantage over other pneumatic, hydraulic or electric shutoff actuators.

**MHS - Mold Hotrunner Solutions / 905-873-1954 / mhs-hotrunners.com**



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Hotset America Corporation  
 713 Kite Road, Hwy 57 W  
 Swainsboro GA 30401  
 912.289.1844 USA@hotset.com  
 www.hotset.com