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NEWS RELEASE

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Newest Sprue Pickers from Sepro America Include Easy-to-Use Proprietary Control System

The standard control system on the new SR Series sprue pickers from Sepro America, LLC, allow plastics injection molders to easily program virtually any sequence of picker movements and store up to 20 such sequences for later recall. Pickers are available in three different models for applications on plastics injection-molding machines from 20 to 450 tons. They achieve takeout times as quick as 0.7 second and overall cycle times as short as 3.0 seconds.

The freely programmable controls allow users t choose from standard factory-set motion sequences, but it is also easy to create custom programs or modify standard sequences during operation. Using the hand-held electronic pendant, operators are guided through the process step-by-step to maintain safety rules an prevent motion conflicts. Stroke lengths, take o direction and swing angle can all be adjusted readily. A pre-selectable cycle counter is also standard, as are four inputs and four outputs for control of ancillary equipment such as an indexing conveyer. Like all Sepro controls, they

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can use SPI and Euromap 12 robot/press interface protocols, with Euromap 67 available. The pickers meet the safety requirements of the CE Machine Directive.

The smallest sprue picker, the SR 55, offers a vertical stroke up to 21.5 inches (550 mm), a strip stroke up to 3 inches (75 mm) and can handle payloads up to 2.2 lb (1 kg). The SR 65 has a vertical stroke up to 25.5 inches (650mm) and largest model, the SR 85, has a reach of up to 32.5 inches. Both the SR 65 and SR 85 feature a 6-inch (150-mm) maximum strip stroke and a maximum payload is 4.4 lb. (2 kg).

A sprue-gripper with runner verification is standard equipment, as is a safety lock on the vertical arm to prevent arm movement during loss of air pressure. SR Series pickers can be supplied with such options as a 90° wrist-flip for runner or part positioning, and a venturi vacuum kit and end-of-arm tooling for light-duty parts removal. Other popular options include second descent slowdown and a pressure regulator for gripper.

For user convenience, the pickers are designed to mount on the fixed platen of an injection-molding machine and require only compressed air and single-phase power. No tools are required for set-up, and the robot pivots out of the way for mold changes. Cable tracks contain hoses and wires for safety and a neat appearance.

Sepro America, LLC, provides robots, sprue pickers, end-of-arm tooling and automation systems for injection-molding machines from 20 to 5000 tons throughout the United States and Canada. Its North American headquarters facility in Pittsburgh, PA, supports customers with sales, engineering, assembly and testing, training and service. Sepro America is a wholly owned daughter company of Sepro Robotique, La Roche sur Yon, France. One of the first companies in the world to develop Cartesian beam robots for injection-molding machines, Sepro today is the global #1 supplier of robots for injection-molding machines 800 tons and larger. In all, there are 3000 Sepro robots installed in the United States and over 16,000 running worldwide. www.seproamerica.com