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## PRESS INFORMATION

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### **Sepro Expands S5 Range of Beam Robots; Will Exhibit Newest S5-25 at K 2010 Along with Other Recent Innovations**

The centerpiece of the Sepro Robotique exhibit on Stand D59 in Hall 10 at K 2010 in Dusseldorf this October will be the new S5 series of Cartesian beam robots. The newest S5-25 model, which suits injection molding machines from 120 to 450 tons, will be shown for the first time, along with the S5-35, which debuted in late 2009. Both robots offer longer strokes and bigger payloads than comparable units, and feature a rigid structure designed for speed. Sepro America LLC provides automation sales, engineering and service throughout the United States and Canada.

The largest robot in the booth will be the Model 4060 from the Generation IV line, which will be set up with three CNC wrist rotations to demonstrate a flame-treating application. The Model 4060 suits machines to 2500 tons. Also being exhibited will be representative units from the affordable Axess Series, including the newest Axess 44 for molding machines as large as 1000 tons and the Axess 7 for machines as small as 20 tons. Advanced controls, including the Visual 2 and Touch 2, feature 10-inch color touch-screens with ultra-simple icon-driven instructions, and a joystick that makes it easy for operators actually steer the robot to fine-tune its movements.

Sepro and Sumitomo-Demag booth (D22 Hall 15) will team up to promote their recent partnership, which has Sepro producing robots specially designed to be sold with Sumitomo-Demag machines.

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One of the SDR robots will be demonstrated on a 160-ton Systec injection-molding machine, with the robot's Visual 2 control fully integrated with the Demag NC5 controller.

Complex Sepro automation capabilities will also be demonstrated on the stand (B24 Hall 15) of French injection-molding machine builder Billion S.A.S.

### **NEW MODEL S5-25**

The S5 robot, the Model S5-25, is a mid-size robot designed for plastics injection-molding machines with 120 to 450 tons of clamp. Compared to a robot of comparable size in the existing Generation 4 (G4) range, the S5-25 offers a standard payload of 10 kg (22 lb), an increase more than 50%. The 700-mm (27.5-inch) demolding or strip stroke is 16% longer than the maximum available on the current G4 unit. This means the S5-25 can handle parts with deeper draw. At the same time, however, the wrist and arm are actually 10% smaller so the mold does not need to open as far and cycle times can be reduced.

This increased level of performance is achieved without limiting speed, which is pegged at 3.5 m/sec (11.5 ft/sec) on the horizontal stroke. Other important specifications include a 1500 to 6000 mm (60 to 240 inches) horizontal stroke and a 1200-mm (47-inch) vertical stroke that can be extended with an optional telescopic arm to 1400 mm (55 inches).

Other sizes, for smaller and larger molding machines, are scheduled to debut in 2011.

“The S5 is Sepro’s fifth generation of robots,” explains Jim Healy, Vice President, Sales & Marketing for Sepro America. “It takes advantage of everything we’ve learned about meeting the needs of the world’s most demanding injection molders. It is designed using a platform concept, with common subassemblies that help us achieve economies of scale while reducing manufacturing lead times. Yet it is a true ‘industrial robot’ built for rigidity, speed and reliability.”

Sepro America, LLC, is a wholly owned daughter company of Sepro Robotique, La Roche sur Yon, France. Sepro Robotique was one of the first companies in the world to develop Cartesian beam robots for injection-molding machines, introducing its first CNC controlled “manipulator” in 1981. It has had a substantial presence in North America since 1989. Today, the company exports 80% of its sales and enjoys a 25% market share in Europe. Sepro truly is a global player with operations not only in Europe and North America, but also in South America and Asia.