



**Sepro Group**  
Rue Henry Bessemer, Zone Acti-Est  
CS 10084 -85003 La Roche-sur-Yon  
France  
Phone: +33 2 51454700

## PRESS INFORMATION

**19 October 2016**

CONTACT: Caroline Chamard, Sepro Group - France, +33 (2).51.45.46.37; [cchamard@sepro-robotique.com](mailto:cchamard@sepro-robotique.com)  
Scott Collins, Public Relations, +1.216.382.8840; [scollins@collins-marcom.com](mailto:scollins@collins-marcom.com)

### **At K 2016**

## **Sepro Promises a 'Wide Open' Future; Introduces New Robots, Big and Small**

Sepro Group is expanding at both ends of their range of robots for injection molding, introducing two of their biggest robots ever, and one of their smallest as well, at K 2016. At the same time, ten injection-molding-machine manufacturers, representing seven different countries, are also operating Sepro robots, bringing the number of units at the show to 24. Sepro is exhibiting in Hall 12, Stand A49, at the world's biggest plastics show being held in Dusseldorf, October 19 to 26.

The total number robots, the wide range of sizes and configurations, continued innovation in automation and control, together with a growing roster of marketing and technology partners, stand behind the company's new slogan: 'Your Future is Wide Open.'

"The K show always gives us a view into the future of plastics processing," observes Jean-Michel Renaudeau, CEO. "In 2016, that future is one of openness and connectivity. It's a future where companies collaborate to offer more choice to their customers and where humans and machines communicate more easily to increase quality and productivity. Whether you call it 'The Factory of the Future' or 'Industry 4.0,' these technological developments present injection molders with new opportunities for success. That is why, for K 2016 and beyond, Sepro is saying and demonstrating that 'Your Future is Wide Open.'"

### **Be Connected 4.0**

A central feature on the Sepro stand is a special 'Be Connected 4.0' display featuring the Visual family of proprietary controls, developed by Sepro especially for injection molding. Here, human visitors can interact with machines and experience for themselves how easy and intuitive it is to program even complex robot sequences. They can learn about the three different levels of control integration Sepro has developed in collaboration with its

(More)

IMM-manufacturing partners Finally, they can see Industry 4.0 in action on a Sumitomo Demag molding machine, which has the Visual control for a 6X-60 articulated arm robot integrated into the machine control. The machine will be molding syringe barrels.

### **New Big Robots**

Dominating the Sepro exhibit, by occupying almost one-third of the 300m<sup>2</sup> stand, are two of the biggest robots the company has ever built. In fact, the new 7X-100XL, a 5-axis Cartesian beam robot, along with the new 6X-400, a 6-axis articulated-arm robot, are thought to be the largest robots at the K fair.

The horizontal beam on the 7X-100XL is a staggering 5m in length but that is just half of the maximum length available. The telescopic vertical stroke is 3.2m and the maximum payload is 100 kg. The 6X-400 6-axis articulated-arm robot, the product of a recent manufacturing partnership with Yaskawa Motoman, has a 4m reach and can carry a maximum 120-kg payload.

Most large robots find application in the automotive industry, so it is fitting that these two Sepro giants are being demonstrated will be manipulating a bumper from a Mercedes Benz C-Class auto and a dash panel for a Citroën DS. The advanced servo-driven wrists on both robots make it possible to complete complex part-extraction movements and/or pre- and post-mold secondary operations including insert-placement, edge flaming, assembly, simple or complex palletizing, and more.

The 7X-100XL completes Sepro's line of 5-axis beam robots (5X and 7X ranges), which now includes 6 models that can automate injection-molding machines from 20 to 5000 tons. The Sepro Yaskawa 6X-400 6-axis robot is the largest of four models introduced recently to serve molding machines from 800 to 5000 tons. Four smaller 6-axis units, developed in partnership with Staübli Robotics were introduced several years ago to equip molding machines with up to 800 tons of clamp.

### **New Small Robots**

Sepro is also introducing new small robots, including The S5 Picker servo-driven sprue picker. Based on the same basic mechanical design as the Sepro Success range of economical, general-purpose robots, the S5 Picker has same 3-axis linear design with servo drive on all axes. It comes standard with a simple sprue gripper but it can be supplied optionally with an R1 wrist rotation and can be fitted with simple end-of-arm tooling. The fast-cycling picker operates entirely inside the IMM footprint and includes an unloading chute and guarding.

To further illustrate the breadth of the Sepro product portfolio, the S5 picker is operating at K 2016 along with several other Sepro robots handling iPad covers. This demonstration cell includes:

- Success 22... mid-size general-purpose robot for IMMs from 150 to 500 tons
- 5X-25... representing the smaller units in Sepro's 5-axis robot line
- S3 numeric sprue picker... with horizontal arm that rotates up to 100° from the centerline of the machine to drop sprues or small parts beside the fixed platen

## About Sepro

Sepro 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. Today, Sepro Group is one of the largest independent sellers of Cartesian robots and is on track toward its fourth straight year of record sales. With 3-, 5- and 6-axis servo robots, special-purpose units and complete automation systems, all supported by one universal control platform developed by Sepro especially for injection molders, Sepro offers a wider choice of robots that any other supplier in the plastics industry. Customers around the world are supported by wholly-owned daughter companies and sales and service offices ten key markets, and numerous independent business partners, distributors and service hubs extend Sepro’s global network to over 50 other countries. To date, Sepro has equipped more than 30,000 injection-molding machines worldwide.

XXX

*The new 7X-100XL has a 5m horizontal beam, a telescopic vertical stroke of 3.2m and a maximum payload of 100 kg. Download a high-resolution image at: <http://tinyurl.com/jevt5ru>*



*The 6X-400 6-axis articulated-arm robot, the product of a recent manufacturing partnership with Yaskawa Motoman, has a 4m reach and can carry a maximum 120-kg payload. Download a high-resolution image at: <http://tinyurl.com/hbl8vap>*

*The new S5 Picker has a 3-axis Cartesian design with servo drive on all axes.. The fast-cycling picker operates entirely inside the IMM footprint and includes an unloading chute and guarding. Download a high-resolution image at: <http://tinyurl.com/hjrqhed>*

