



**Sepro Robotique**  
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## PRESS INFORMATION

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### **Sepro do Brasil to Demonstrate 5-Axis Success X Robots at Plástico Brasil**

At Plástico Brasil, Sepro will exhibit three 5-axis robots built to serve injection-molding machines as small as 80 tons or as large as 900 tons. The Success 11X, Success 22X and Success 33X are highly versatile 5-axis servo robots based on the redesigned Success 3-axis platform with a 2-axis servo wrist co-developed with Yaskawa Motoman. Sepro will exhibit on Stand D 070 at the Brazilian trade fair, which is being held at the São Paulo Exhibition and Conference Center March 27 - 31.

#### **General-Purpose Flexibility**

The secret to the adaptability of the Success Line X robots is the servo driven-wrist, which delivers important advantage over pneumatic wrists. Positional sensors in the servo motors on the Sepro/Yaskawa wrist allow the robot to know exactly where the wrist – and gripper mounted to it -- are positioned at all times. In fact, the robot can move in all 5 axes at any time with complete control. This allows the robot to complete complicated motions. Thus, it becomes easier to extract complex parts with minimal clearance between mold halve or tie bars, or to position parts for secondary operations. At the same time, it becomes possible to use simpler end-of-arm tooling (EOAT), since the servo wrist more easily compensates for minor misalignments.

In fact, it can handle many of the complex part-manipulation tasks that have historically been assigned to 6-axis articulated-arm robots. However, because it is a Cartesian or linear robot, the 5-axis Success X robots offer faster intervention into the mold space for shorter cycle times, while still delivering the flexibility inside and outside the mold otherwise associated with an articulated unit. Set-up and operation are highly intuitive, and Sepro Visual control programming was developed specifically to fit the unique needs of injection molders.

### **Sepro Robots on Chen Hsong Stand**

Two other Sepro robots can be seen in operation on Chen Hsong machines in booth D 090 at Plástico Brasil: the S5-25 Speed robot is designed for fast cycling, and the SU-22X, a special Success configuration, will be operation in an in-mold-labeling application.

### **Brasilian Market is Booming for Sepro**

Sepro's Brasilian daughter company has exceeded expectations in the last few years, despite the Covid pandemic.

"The Brazilian market is definitely booming for Sepro this year," explains Oscar Da Silva. "We have doubled our turnover in 2022 (versus 2021), and we see a rising demand on most markets, including automotive, houseware, packaging and cosmetics. What is very notable is the increase in automation requests. We see that injection molders are looking for further improvement in their production capabilities and are paying more attention to overall equipment efficiency. Because Sepro is able to offer anything from Modular Robotic Solutions to Smart Automation Systems, on any molding machine, whether new or existing, we expect our market share in Brazil will continue to grow.

### **Sepro's 50<sup>th</sup> Anniversary**

This year, Sepro is celebrating its 50th anniversary -- a key milestone for the company. Sepro was founded in 1973 as an engineered-product research and development company to optimize and automate industrial-manufacturing lines with turnkey solutions. Back in the 1970s Sepro invented and patented solutions for all types of equipment, including metal-plate bending and conveying, mainly for household appliances This focus on automation led to Sepro's first CNC linear robots for the injection-molding machine in 1982 as the plastics market flourished.

### **About Sepro**

Sepro Group has grown with the plastics industry to become a leader in the automation of

injection-molding processes. Across its fifty-year history, Sepro Group has equipped over 40,000 plastic injection-molding machines worldwide.

Sepro deploys modular and smart solutions that incorporate 3- and 5-axis Cartesian robots and 6-axis articulated-arm robots, from simple take-out applications to complex automation cells. A comprehensive range of peripheral equipment – including end-of-arm tooling, secondary assembly, gauging and finishing units, conveyers, stackers and guarding – makes it possible to automate an entire production line, integrating with any injection-molding machine, whether new or existing. These solutions can be adapted to a customer's application, taking into account the size of the molding machine, space available in the manufacturing plant and production rate objectives.

As a global company with subsidiaries or distributors in every key market in Europe, Asia and Americas, Sepro Group supports customers worldwide with a proven track record of excellence in after-sales service. Whatever the project, no matter where, there is a Sepro solution available.