



Sepro Robotique
 Rue Bessemer, Z.I. Les Ajoncs
 F-85000 La Roche-sur-Yon
 France
 Phone: +33 2 51454700

Sepro China
 8F, No. 1386 Hongqiao Road
 200336 Shanghai
 P.R. China
 Phone : +86 137 6478 1487

PRESS INFORMATION

April 25, 2016

CONTACT: Bruno Rondeau, Sepro China, +86.137.6478.1487; brondeau@sepro-group.com
 Caroline Chamard, Sepro Group - France, +33 (2).51.45.46.37; cchamard@sepro-group.com
 Scott Collins, Public Relations, +1.216.382.8840; scollins@collins-marcom.com

Sepro Robots Demonstrate Automotive Applications at Chinaplas 2016

The international robot manufacturer, Sepro Group, is mounting its biggest display ever in China, exhibiting a total of seven robots at Chinaplas 2016, which runs April 25 – 28 in Shanghai. Three robots are being shown on the Sepro China stand (E4K61) simulating operations that are typical of automotive manufacturing. Another four robots are operating in the booths of several injection-molding machine manufacturers.

The big, new Strong 50 robot represents a line of large robots designed to make 3-axis servo speed and precision available to molders who have relatively simple applications. At Chinaplas, a drawer-fed fabric-overmolding operation is simulated. The robot destacks fabric from one of two drawers and places it into a mold and then repeats the operation, taking fabric from the second drawer. Then the robot removes the fabric from the mold, simulating both part removal and refilling of the drawers.

With horizontal stroke of 3000mm, the Strong 50 is sized to serve injection-molding machines from 1000 to 1600 tons. Three models comprise the new Strong Line:

	<u>STRONG 40</u>	<u>STRONG 50</u>	<u>STRONG 60</u>
IMM SIZE	700-1000 T	1000-1600 T	1600-2800 T
HORIZONTAL (X)	2500-10000 mm	3000-10000 mm	3500-10000 mm
KICK (Y)	1100 mm	1300 mm	1600 mm
VERTICAL (Z)	1600 mm (Direct) 2000 mm(LV)	2200 mm (Telesc.) (2500 LV)	2500 mm (Telesc.) (3000 LV)
PAYLOAD	20 kg (15 kg LV)	40 kg (35 kg LV)	50 kg (40 kg LV)
ROTATION	R1(C) pneumatic 0-90°		

(More)

Other new large robots, recently introduced for molding machines up to 5000 tons include the advanced 5-axis 7X Line and the technological 3-axis S7 Line. The new Strong range extends Sepro's portfolio of universal robots – otherwise represented in the smaller Success Range – to serve machines up to 2800 tons.

A Success 11 can be seen on the Sepro stand in a quality-control application involving automobile roof handles. The robot picks a handle from a conveyer belt and places it on a scale, where it is weighed. A red light indicates a bad (overweight or underweight) part and a green light indicates a good part. Good parts and bad parts are sorted into different chutes.

The general-purpose Success robots feature 3 axes of servo-driven motion, plus the performance and reliability Sepro robots known for, and are ideal for simple pick-and-place applications.

A third robot – a Model 5X-25 – is demonstrating the speed and precision of 5-axis servo operation in a deflashing demonstration. The robot grips a part and rotates it so that its edge passes by a flaming station. The Sepro 3-axis Cartesian platform, plus a 2-axis servo wrist and advanced Visual 3 control allows the robot to manipulate parts through complex paths, making it ideal for this kind of critical application.

Representing the 6X Line of 6-axis articulated-arm robots, a Model 6X60 is being shown on the Demag stand, #E7D41. A Success 22 and Success 33 can be seen on machines exhibited by FU CHUN SHIN MACHINERY MANUFACTURE CO., LTD. (Booth E6F41) and a Success 11 is operating on a Logge injection-molding machine manufactured by Wuxi si Maginel Machinery Equipment Co., LTD.

VISUAL & TOUCH CONTROLS

All Sepro robots are operated using the same easy-to-use control platform, which was developed by Sepro especially for injection-molding applications. The 5-axis robots benefit from the application of the Visual 3 robot control, Sepro's newest, fastest and most powerful control. Visual 2 controls are standard on more advanced 3-axis robots, while the basic Touch 2 control is standard on Strong and Success universal robots. All controls have the same user interface with large, easy-to-read and -navigate 10-inch touch-sensitive screen that makes operation simple and intuitive. A joystick allows operators to actually steer the robot to fine-tune its movements.

Sepro China, located in Shanghai, is part of Sepro Group, headquartered in La Roche sur Yon, France. 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. Customers around the world are supported by wholly-owned daughter companies in Germany, Spain, Benelux, the United Kingdom, the United States, Canada, México, Brazil, China and now Austria and Hungary. Numerous direct sales and service offices as well as independent business partners, distributors and service hubs extend Sepro's global network to over 40 other countries. To date, Sepro has equipped more

than 30,000 injection-molding machines worldwide. The company's global turnover for 2015 was €92.8 million.

XXX



The new Strong 50 3-axis servo-driven robot being shown at Chinaplas 2016 represents a new line of robots for injection molding machines from 1000 to 1600 tons. Download a high-resolution image at https://dl.dropboxusercontent.com/u/51716465/Sepro/Strong50_droite_HD.jpg