



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

Sepro México
Blvd. Bernardo Quintana 514- D
Suite 301 Col. Arboledas
Queretaro, QRO. 76140
México
Phone : +52 1 (442) 405 09 43

PRESS INFORMATION

March 8, 2016

CONTACT: Xavier Espauillard, Sepro México, +52 1 (442) 405.09.43; xespauillard @sepro-robotique.com
Caroline Chamard, Sepro Group - France, +33 (2).51.45.46.37; cchamard@sepro-robotique.com
Scott Collins, Public Relations, +1.216.382.8840; scollins@collins-marcom.com

Sepro Will Have a “Strong” Presence at Plastimagen 2016

A big, new Strong 50 robot will be the featured attraction on the stand of Sepro México (#1222) at Plastimagen 2016, the tradeshow scheduled in México City March 8 – 12. This marks the first time the Strong robots will be exhibited in México. In all, Sepro will have three robots at the show.

The new Strong 50 is representative of a line of large robots designed to make 3-axis servo speed and precision available to injection molders who have applications that require simple pick-and-place functionality and simple downstream operations. The design approach and production methods allow Sepro to make an affordable robot with enhanced capabilities. With horizontal stroke of 3000mm, the Strong 50 is sized to serve injection-molding machines from 1000 to 1600 tons. Built with all the quality and reliability of all Sepro robots, 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)

The new Strong Line extends Sepro's portfolio of universal robots – otherwise represented in the smaller Success Range – to serve machines up to 2800 tons. Two models from the Success Range will be operating on the stands of two prominent injection-molding machine manufacturers:

- a mid-size Success 33 will be mounted on a EN 220-ton machine in the Romi booth (#326)
- a smaller Success 22 will be shown on a Sumitomo-Demag SE 100 machine on the stand of Avance Industrial (#1214).

A 5-axis 5X-15 in an axial configuration (with the X axis parallel with the clamp opening) will be installed in an insert-molding cell at another manufacturer's booth.

3-AXIS & 5-AXIS ROBOTS FOR IMM TO 5000T

Strong is one of three new lines of large Sepro robots for plastics injection-molding machines with 800 to 5000 tons of clamping capacity. The new large robots improve upon the Sepro G4 Line, which previously covered high-tonnage molding applications. In general, the new robots have longer kick (Y-axis) strokes, longer vertical (Z-axis) strokes and can handle larger payloads than their G4 predecessors.

In addition to the “universal” Strong range, Sepro is also introducing other large robots including the S7 Line, which Sepro refers to as a “Technical” range, and the “Premium” 7X Line with 5 servo-driven axes of motion.

The S7 Line includes three different models. They feature Sepro's highest level of quality and can be adapted easily to customer requirements for axial configurations (where the main X-axis beam runs parallel rather than perpendicular to the centerline of the molding machine), as well as extended vertical (LV) and kick (LD) strokes and heavy-payload (HL) options. Compared to the previous generation G4 units, the new S7 Lines have a standard kick stroke that is 10 to 15% longer, and a vertical stroke that is 4 to 10% longer. Payload capacities are up to 50% greater. Modules for the X, Y and Z axes are built separately, simplifying transport and assembly.

The 7X Line is based on the same basic mechanical platform as the S7 3-axis robot, but adds a 2-axis servo-driven wrist developed in partnership Stäubli Robotics. Unlike pneumatic wrists, which can only move in a continuous arc from 0° to 90° or 0° to 180°, the 7X wrists can move from 0 to 180° and 0 to 270° or any part of those rotations with absolute precision. This allows the robot to complete very complicated motions in all axes simultaneously and do it with perfect repeatability.

VISUAL & TOUCH CONTROLS

All these new robots are operated using the same easy-to-use control platform, which was developed by Sepro especially for injection-molding applications. The 5-axis 7X 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 advanced S7 Line 3-axis robots, and Strong can use the basic Touch 2 control or the Visual 2 can be specified when applications require a more powerful control. 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 México is currently based in Queretaro. It serves the following states directly: Queretaro, Puebla, México DF & State of México, Aguascalientes, León & Guadalajara. Since 2014 Sepro México has partnered with AXIOMATEK, which is based in Monterrey, and represents Sepro in Nuevo León, and covers northern México as far south as San Luis Potosi. A service team covers the Mexican territory from strategically located bases in Queretaro, Guadalajara, Ciudad Juarez, Monterrey and more recently Puebla. The team is managed by an experienced leader with more than 20 years' experience working for Sepro worldwide.

Sepro Group, originally 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. 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 Plastimagen 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