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PRESS INFORMATION

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3-, 5-, and 6-Axis Sepro Robots Display Speed and Flexibility at Plastimagen Mexico 2019

At Plastimagen 2019, four Sepro robots, including two not seen before at a Mexican trade show, are demonstrating the remarkable speed and flexibility now available to injection molders in Mexico. Three of the robot demonstrations are running in the Sepro Robotica de Mexico stand (#503), while the fourth appears at Avance Industrial (Booth 622). Plastimagen is being held from 2-5 April at Centro Citibanamex in Mexico City.

The first of two robots making their Mexico debut in the Sepro booth is the 3-axis Sepro S5-25 Speed, was developed for molders seeking a high-speed robot to serve injection-molding machines from 100 to 450 tons. Mounted on a 180-ton Sumitomo Demag press, the S5-25 Speed lives up to its name, rapidly unloading medical cups from an eight-cavity mold as part of complete production cycle time of under four seconds. The S5-25 Speed delivers improved performance, including a 30% increase in vertical (Z-axis) stroke speed over the standard S5-25 robot, thanks to a more powerful operating motor, upgraded electronics and pneumatics, and a lighter-weight arm.

The second new-to-Mexico robot is the 6X-205, one of a range of Sepro Yaskawa 6-axis articulated-arm robots designed for challenging, side-entry applications on IMMs sized from 20 to 5000 tons. Like the rest of the Sepro Yaskawa 6X line, the 6X-205 features a wide radius of action (2061 mm), rapid cycling, and a substantial payload capacity (50 kg). The robot is manipulating an automotive part.

A 3-axis Success 22 robot, operating with an all-electric 100-ton Arburg press, rounds out the Sepro display. This duo is producing tequila glasses in a four-cavity mold. The Success 22 is one of the larger members of the Success family of 3-axis Cartesian robots, developed by Sepro to offer economical pick-and-place and stacking performance for IMMs sized from 20 to 700 tons.

(More)

In Booth 622, Avance Industrial, a plastics equipment and technology supplier based in Queretaro, is demonstrating one of Sepro's advanced 5-axis robots -- the mid-sized 5X-25 DI -- on a 280-ton Sumitomo Demag Systek IMM. Like all of Sepro's 5X family of robots -- which includes three models to serve presses sized from 30 to 800 tons -- the 5X-25 combines Sepro's 3-axis Cartesian platform with a 2-axis Stäubli servo wrist for high performance in complex applications both inside and outside the mold.

“The Sepro robots being demonstrated at Plastimagen 2019 represent the growing range of capability available to molders who want to harness the potential of automation,” says Xavier Espallard, Sales Director of Sepro Robótica de México. “All Sepro robots use the same control platform, called Visual, making it simple for processors to leverage the potential of automation throughout their operations.”

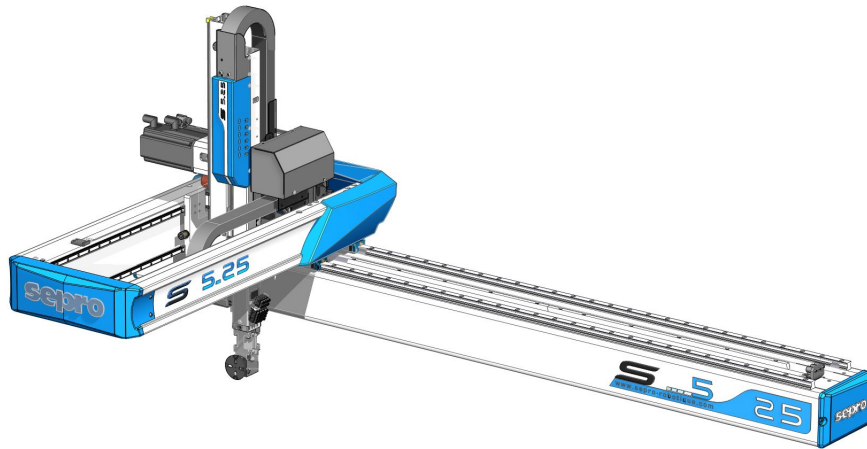
Developed specifically for plastics injection molding, Sepro Visual platform controls everything from simplest Sepro sprue picker to its most advanced 3-, 5- or 6-axis robots. It can control one robot or an entire automation cell, including robots and up- and downstream peripheral equipment like insert feeders, vision systems, assembly and palletizing equipment. Several different “Easy Package” integration solutions are available in cells involving one or more molding machines. These features can include VNC mirroring of the robot control in the IMM display, shortcut launch buttons, and a robot program library in the IMM control, among many others.

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 robots in the world, offering a wider choice of robots than any supplier in the plastics industry. Three-, five-, and six-axis servo robots; special-purpose units; and complete automation systems, are all supported by the Visual control platform developed by Sepro especially for injection molders. This unique controller is a key component in what the company refers to as ‘open integration’ – a collaborative approach to equipment connectivity and interoperability that can be tailored to exactly suit the specific needs processors and injection-molding OEMs. At Sepro, customers “Experience Full Control.”

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See photos on next page...



Being shown in Mexico for the first time, the 3-axis Sepro S5-25 Speed, was developed for molders seeking a high-speed robot to serve injection-molding machines from 120 to 450 tons. Download a high-resolution image at: <https://tinyurl.com/SRO-S5-25Speed>