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## PRESS INFORMATION

**February 20, 2018**

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### **‘Made-in-America’ Robot to be Featured in Sevro Booth at NPE 2018**

One of the first Sevro robots ever built outside of France will be a highlight of Sevro America’s display at NPE 2018. This 5-axis 7X-45 robot adds the precision of a 2-axis Stäubli CNC wrist to the flexibility of a large, 3-axis Sevro Cartesian beam robot. It is ideal for handling technically demanding parts at high production speeds on plastics injection-molding machines of up to 1300 tons.

The Plastics Show takes place May 7 – 11 at the Orange County Convention Center. Sevro expects to have a total of 16 robots at the show... 6 in its own booth (W8571 in Hall E) and the remainder operating on the stands of injection-molding machine manufacturers.

The big 7X-45 will be operating at the front of the Sevro booth, so it will be hard to miss as it manipulates an automobile fascia in five axes. Elsewhere in the booth, robots of similar size and design, but with significantly different capabilities, can be seen side-by-side. For instance, two 6-axis articulated-arm robots – a 6X-90L from the Sevro Stäubli range, and a 6X-170 from the Sevro Yaskawa family – will be shown together in a choreographed performance handling car headlight components. Similarly, a 5X-25 from Sevro’s technological line of 5-axis Cartesian units, and a Success 22, representing that line of economical robots for simple pick-and-place applications, will be operating together. Finally, the same sort of comparison can be in a demonstration involving a Success 5, the smallest of Sevro beam robots, and an S5 Picker, a 3-axis, all-servo sprue picker.

#### **INTEGRATION, OPTIMIZATION AND AUTOMATION**

A special section of the Sevro booth at NPE 2018 will be dedicated to the Open 4.0 philosophy, which stands behind the company’s vision for the ‘Factory of the Future.’ There, visitors can get hands-on experience with the Visual control platform. Among

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other things, this easy-to-use robot control, which was developed by Sepro especially for injection molding, makes it possible to achieve several different levels of integration with IMM controls. Attendees can also preview new control developments like OptiCycle, a control plug-in (developed in open collaboration with a key customer) that automates robot cycle optimization, and Live Support, an app that links customers and their robots with troubleshooting assistance. Both are intended to function with the Sepro Visual control platform on new and existing robots.

Visitors will also be able to find a video presentation of automated molding cells that are typical of “Solution by Sepro” projects. These often involve multiple robots and specialized end-of-arm tooling (EOAT), plus a variety of feeders (bowl, drawer or manual), inspection devices, cavity separation, degating/trimming, box filling and other equipment – all customized to suit specific manufacturing objectives. The Solution by Sepro program provides injection molders with equipment, engineering expertise and additional services needed to bring new levels of efficiency and quality to their process.

#### ELSEWHERE IN THE SHOW

Sepro will be well represented in the booths of injection-molding machine manufacturers, with ten additional robots operating at NPE 2018. Specifically:

- Haitian, W143
- Sumitomo Demag, W3405
- Toshiba, W1263/1363
- Maruka Toyo, W911
- Billion, S11103
- ...and others.

#### GROWING IN NORTH AMERICA

The 7X-45 robot being shown at NPE is among the first of 40 robots that Sepro America is planning to build this year at its plant in Warrendale, PA, says Jim Healy, Vice President, Sales & Marketing. Robots assembled in U.S. may also be delivered to Canada and Mexico, as Sepro America becomes a manufacturing, engineering and service hub for the three North American nations.

A recently completed expansion of the Warrendale facility, which doubled its size while adding new engineering and large-robot assembly capacity, is part of a larger €11 million global transformation announced last summer by Sepro Group (La Roche sur Yon, France), Sepro America’s corporate parent. That larger effort includes not only the Warrendale expansion, but a major expansion of Sepro Group’s manufacturing and global training facilities in France.

Healy says that the Warrendale plant will concentrate on building three of Sepro’s largest robot lines: 3-axis Strong universal robots, technological 3-axis S7 Line robots, and premium 5-axis 7X Line robots. The new robot production in Warrendale increases the company’s global robot assembly capacity, complementing assembly capacity in

France, and will optimize large-robot deliveries in Sevro's fastest growing global market: North America.

### **About Sevro**

Sevro 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, having equipped more than 33,000 injection-molding machines, Sevro Group is one of the largest independent sellers of robots in the world. Its 3-, 5- and 6-axis servo robots, special-purpose units and complete automation systems, are all supported by the Visual control platform developed by Sevro 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. For Sevro and its customers and partners, "The Future is Wide Open."

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*Download a high-resolution image:  
<https://tinyurl.com/Sevro7X-45>*