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PRESS INFORMATION

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New Sepro S5-25 ‘Speed’ Robot Delivers Higher Speeds, Shorter Cycle Times

To help processors seeking a top-entry robot solution for fast-cycling injection-molding applications, Sepro Group (La Roche Sur Yon, France) has developed the S5-25 Speed, a new and faster variant of its S5-25 3-axis Cartesian robot.

The S5-25 Speed robot, which is sized for machines from 120 to 450 tons, is part of the Sepro S5 line of high-performance 3-axis robots for complex applications. The Speed version has vertical (Z-axis) stroke speed that is 30% faster than the standard S5-25, ensuring robot in/out times under 1 second and overall molding cycles under 4 seconds. These speeds are made possible by a more-powerful, higher-torque operating motor, upgraded electronics and pneumatic valves, and a lighter vertical telescoping arm. This combination enables the robot to execute long horizontal and vertical strokes more quickly without sacrificing precision or reliability.

The Speed robot is intended primarily for simple packaging applications like flower pots, thin-wall food containers and tubs, and similar parts. Like all S5-25 robots, the S5-25 Speed can be configured with horizontal strokes from 1500 to 6000 mm. It has a 700 mm demolding stroke, and a 1200 mm vertical stroke. Maximum payload, including end-of-arm tooling, is 7 kg. Standard equipment includes Sepro’s Visual control, which offers an intuitive, touchscreen interface that simplifies robot programming and control and integrates with most IMM controls.

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, having equipped more than 33,000 injection-molding machines, Sepro Group is one of the largest 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 Sepro especially for injection molders. This unique controller is a key

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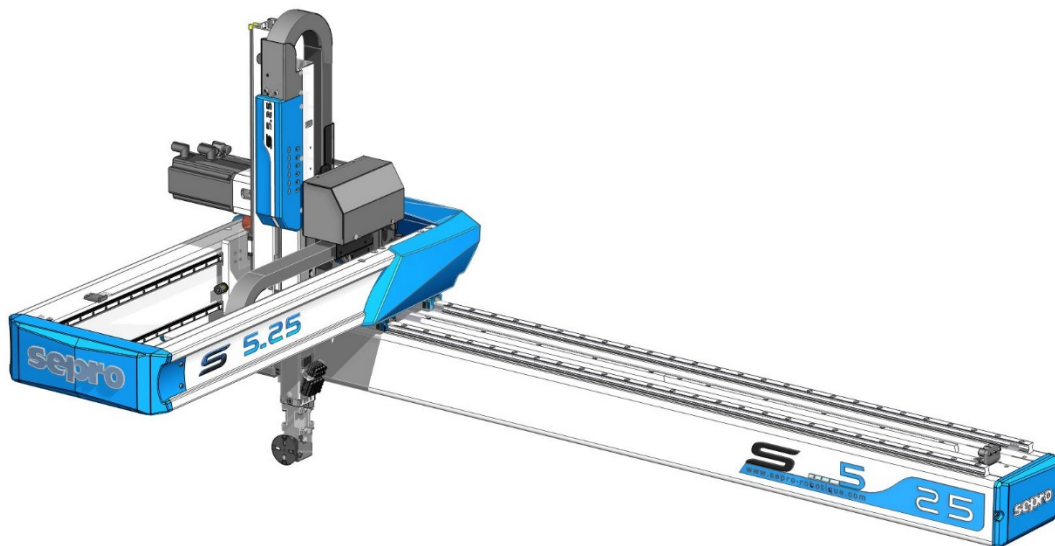
component in what the company refers to as ‘open integration’ – a collaborative approach to equipment connectivity and interoperability between the robot and the IMM that can be tailored to exactly suit the specific needs of processors and injection-molding OEMs. For Sepro and its customers and partners, “The Future is Wide Open 4 .0.”

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The Sepro S5-25 Speed has vertical (Z-axis) stroke speed that is 50% faster than the standard model.

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