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PRESS INFORMATION

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New Axxess 44 Servo Robot from Sepro America Suits Molding Machines as Large as 1000 Tons

Offering high-performance capabilities at a price below most other 3-axis servo-driven beam robots, the new Axxess 44 from Sepro America LLC brings affordable automation to processors operating injection-molding machines as large as 1000 tons. The new robot comes with the Touch 2 control system – including a 10-inch screen with on-board documentation, simple pick-and-place programming, and more – as standard equipment. Instead of a conventional keypad, which is commonly used for manual adjustment of robot positions, the Touch 2 controls pendant has a joystick that allows operators to actually steer the Axxess robot to fine-tune its movements.

The Axxess 44 has a standard horizontal stroke of 2500mm (98 inches), although longer beam (up to 10,000mm or over 30 feet) are available on request. A standard telescoping vertical arm provides a stroke of 2000mm (78 inches), without requiring additional ceiling height. The standard demolding or strip stroke is 1100mm (43 inches). Maximum instantaneous speed on the horizontal axes is 2 meters/sec, and the robot has a payload capacity of 25 kg (55 lb).



“Molders like the speed and precision of 3-axis servo operation,” says Jim Healy, Vice President Sales & Marketing, “but don’t always have applications that require more than simple pick-and-place functionality. The Axxess Series was developed specifically to provide

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a more affordable option for these situations and now, with the Axess 44, we are able to offer solutions for molding machines from 20 tons to 1000 tons.”

Like the smaller robots previously available, the new Axess 44 comes equipped with the latest Touch 2 controls. Using ultra-simple icon-driven instructions, even an inexperienced operator can create basic pick-and-place robot cycles. Easy-to-follow on-screen prompts lead the user through the execution of the robot cycle, including the teaching of all relevant robot positions. Axess Touch 2 controls also support direct programming... the step-by-step creation of a robot cycle from scratch. Up to 99 different applications can be memorized and stored for instant recall. A USB memory stick is available for storage and transfer of programs.

Other attractive standard features, normally available only on more expensive robots, include:

- Simultaneous motion on all three axes;
- Sevro-exclusive ‘Y-free’ function, which provides for the programmed release of the strip-axis motor, allowing free movement of the robot arm and load-free ejector tracking;
- Multiple vacuum and pressure circuits to allow degating, selective part placement and other functions;
- Quick disconnects for fast changeovers;
- Optional pneumatic R2 wrist rotation (parallel to the demolding axis) allows three positions during the cycle – 0°, 90° and 180°.

Sevro America, LLC, provides robots, sprue pickers, end-of-arm tooling and automation systems for injection-molding machines from 20 to 5000 tons throughout the United States and Canada. Its North American headquarters facility in Pittsburgh, PA, supports customers with sales, engineering, assembly and testing, training and service. Sevro America is a wholly owned daughter company of Sevro Robotique, La Roche sur Yon, France. One of the first companies in the world to develop Cartesian beam robots for injection-molding machines, Sevro today is the global #1 supplier of robots for injection-molding machines 800 tons and larger. In all, there are 3000 Sevro robots installed in the United States and over 16,000 running worldwide. www.sevroamerica.com