

Smart All-In-One Automation for Molding Operations

Gantry robots have brought significant benefits to injection molders, but they also come with limitations. Although precise and efficient, these fixed industrial automation systems have limited dexterity and aren't easily reconfigured when production needs change.

Despite the productivity gains, plastics manufacturers continue to face tough challenges. With increasing requirements from customers for end-to-end product traceability and 100% part inspection, manufacturers are forced to balance rising front-end production costs with back-end risk of increased scrap, product returns, and refusals.

Add to this hour-to-hour line variability such as mold changeovers and new products, plus human workers stretched to the limit – and it becomes very clear plastics manufacturers need a new factory automation tool. Finding this tool has seemed impossible.

Until now.



With seven degrees of freedom, embedded cameras, and intuitive software, Sawyer (right, working with Baxter) delivers powerful yet flexible automation and 100% inline inspection for injection molders.

The newest collaborative robot from Rethink Robotics, Sawyer delivers a cost-effective, high performance automation tool for injection molders seeking machine tending, product inspection, and material handling capabilities – all in one system.

Weighing in at a slim 19 kg (42 pounds) and featuring an industry-leading 1260 mm with seven degrees of freedom, Sawyer can drop right into your existing environment, with minimal reconfiguration of your current infrastructure.



Sawyer: Achieve 100% supply chain traceability

Ready to deploy throughout North America, Europe and Asia-Pacific, Sawyer offers manufacturers the following benefits:

Smart – Sawyer's patented compliant motion control technology allows the robot to work the way people do, dynamically managing semi-structured environments and adapting to real-world conditions.

Flexible – Sawyer features two embedded camera systems, which enable the Robot Positioning System. The powerful yet intuitive Intera® software allows workers to quickly and easily train Sawyer for new tasks when production needs change.

Lower cost of ownership – Sawyer's built-in intelligence translates to increased uptime, lower scrap rates, and significant process quality enhancement. These benefits lead to a dramatically lower cost of operation for the entire line – which means you realize ROI in months, not years.



Watch Sawyer working with Baxter on an injection molding line: <http://bit.ly/1WZ2355>



rethinkrobotics.com

27 Wormwood Street

Boston, MA 02210

(617) 500-2487

inquiry@rethinkrobotics.com

P: 877.870.2692
www.rg-group.com

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Innovative Motion Control and Fluid Handling Products and Solutions