

ABB introduces fast and flexible medium size parts transfer solution for press automation

The IRB 6660FX increases the productivity of medium size tandem press lines by more than 25% compared with conventional 6-axis robots.

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- **Flexible robot-based solution:** Output rate of up to 16 parts per minute
- **Linear path transfer:** Integration of a seventh axis eliminates vibrations created when parts are rotated 180°.
- **User-friendly programming interface:** Runs on StampWare platform

ABB has been developing robot-based press automation solutions for nearly two decades. Its latest solution, the IRB 6660FX, is a rapid and flexible transfer system for medium size parts. Identical in design to ABB's large part transfer system, the IRB 7600FX, the IRB 6660FX is a perfect complement to ABB's parts transfer offering.

Suitable for both new and existing press lines, a dual action unit has been integrated into the IRB 6660 to create a 7-axis robot, which allows medium size parts to be transferred rapidly along a linear path. As a result, vibrations created when parts are rotated 180° by a conventional 6-axis robot are eliminated. The system is also equipped with integrated dynamic model control to coordinate all seven axes to ensure optimum speed, accuracy and lifetime.

"Cost effective and reliable, the IRB 6660FX maintains robot flexibility and orientation capability," says Ramon Casanelles, ABB Robotics Product Manager for Press Automation. "It is also an ease way for our customers to upgrade their existing assets."

In the case of new press lines, inter-press distances can be reduced as parts are transferred without having to be rotated.

"The IRB 6660FX raises the bar in press automation to provide customers with greater flexibility at greater speeds while saving precious press-shop floor space," adds Casanelles.

The IRB 6660FX runs on **StampWare**, a proprietary software package from ABB designed to facilitate interaction between operator and press cell. Available on the robot FlexPendant for maximum simplicity, flexibility and cost effectiveness, StampWare includes a graphical programming wizard that helps operators easily program the robots without having to master the programming language. It is currently running in more than 1,000 robots worldwide.

All ABB Robotics' products are fully supported by the ABB Robotics' global sales and service organization in 53 countries and over 100 locations.

Visit www.abb.com/robotics for further information.

Further information for editors:

ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 145,000 people.

Press Release



ABB Robotics is a leading supplier of industrial robots - also providing robot software, peripheral equipment, modular manufacturing cells and service for tasks such as welding, handling, assembly, painting and finishing, picking, packing, palletizing and machine tending. Key markets include automotive, plastics, metal fabrication, foundry, electronics, machine tools, pharmaceutical and food and beverage industries. A strong solutions focus helps manufacturers improve productivity, product quality and worker safety. ABB has installed more than 200,000 robots worldwide.

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