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ABB's new ceiling-mounted SCARA robot delivers maximum flexibility

ABB expands its extensive range of small robots aimed at fast and accurate small parts assembly with the release of IRB 910INV.

- Ceiling-mounted SCARA offers space savings and increased flexibility
- Delivers class-leading repeatable accuracy with ABB's superior motion control
- Ensures fast cycle times for enhanced throughput and productivity

ABB introduced its new invert-mounted IRB 910INV SCARA robot, the latest addition to its popular SCARA family, at the China International Industry Fair 2018 held in Shanghai. By mounting the IRB 910INV on the ceiling, manufacturers can increase the space efficiency and flexibility of each cell and do more complex tasks even in confined spaces. The ceiling mounting also allows the IRB 910INV to collaborate with other robots and machines simultaneously in the same footprint, further boosting productivity.

"Since we introduced our SCARA robot line, customers have been interested in a ceiling-mounted version that would allow them to make more efficient use of confined spaces. We are pleased to showcase our new IRB 910INV, which brings the flexibility our customers are looking for along with the same superior speed and accuracy they've come to expect from ABB," said Per Vegard Nerseth, Managing Director of Robotics at ABB.

"The IRB 910INV is also a reflection of the new design approach we announced earlier this year, which allows us to create a wider variety of robot sizes and variants and combine them into tailored solutions. It will make a great addition to our growing line of small parts assembly solutions."

The IRB 910INV has the same best-in-class motion control as the original ABB IRB 910 family, for repeatable point-to-point accuracy in picking and placing, assembly, and testing. This includes electronics small parts assembly tasks such as screw driving, inserting or mounting components, and automated inspections solutions for quality control.

The IRB 910INV will be certified for cleanroom applications in the future. The compact and lightweight IRB 910INV is available in two variants – one has a maximum payload of 3 kg with 350 mm reach, and one has a maximum of 6 kg payload with 550 mm reach. ABB's SCARA robots are ideal for applications that require fast yet highly accurate point-to-point movements, such as electronics assembly, laboratory automation, and dispensing.

Availability

The IRB 910INV is expected to be available for order in December, 2018.

Further information for editors:

ABB (ABBN: SIX Swiss Ex) is a pioneering technology leader in power grids, electrification products, industrial automation and robotics and motion, serving customers in utilities, industry and transport & infrastructure globally. Continuing a history of innovation spanning more than 130 years, ABB today is writing the future of industrial digitalization with two clear value propositions: bringing electricity from any power plant to any plug and automating industries from natural resources to finished products. As title partner in ABB Formula E, the fully electric international FIA motorsport class, ABB is pushing the

boundaries of e-mobility to contribute to a sustainable future. ABB operates in more than 100 countries with about 147,000 employees. www.abb.com

ABB Robotics is a pioneer in industrial and collaborative robots and advanced digital services. As one of the world's leading robotics suppliers, we are active in 53 countries and over 100 locations and have shipped over 400,000 robot solutions in a diverse range of industries and applications. We help our customers to improve flexibility, efficiency, safety and reliability, while moving towards the connected and collaborative factory of the future. www.abb.com/robotics

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