SHANGHAI, CHINA, SEPTEMBER 19, 2018

ABB launches its most compact and lightweight 6-axis robot ever.

New IRB 1100 enhances the industry's most comprehensive offering for fast, accurate small parts assembly solutions

- 35 percent faster cycle time for increased productivity
- Class-leading repeatability for high quality manufacturing
- 10 percent smaller footprint and over 20 percent weight reduction for flexible, easy installation

ABB introduced the IRB 1100 at the China International Industry Fair 2018 in Shanghai - its smallest, lightest robot to date as part of its growing offering of solutions for small parts assembly. The IRB 1100 was designed to meet the unique challenges of semiconductor, pharmaceutical and electronics manufacturers, who need to handle small and often delicate parts while working at speed and maintaining both high productivity and quality.

The IRB 1100 offers up to 35 percent faster cycle times to maximize productivity, and best-in-class repeatable accuracy. Powered by ABB's new OmniCore™ controller, the IRB 1100 is equipped with advanced motion control capabilities, making it ideal for supporting rapid assembly, pick and place, and material handling applications.

Flexibility is another important small parts assembly consideration, as manufacturers need to increasingly accommodate smaller lots of greater variety in much shorter product cycles. The IRB 1100 has a ten percent smaller footprint and a 20 percent lighter, slim body compared to previous robot generations that can flexibly be deployed in confined spaces and into existing automation lines. In addition to improving production space flexibility, the IRB 1100 allows more flexible handling for heavy-load operations with complex tools or end effectors.

"Manufacturers today need to squeeze every drop of value out of their factories – from their automation systems and even their floor space. The IRB 1100 is designed to support both these imperatives and create opportunities to maximize the efficiency of every single centimeter of production," said Per Vegard Nerseth, Managing Director of Robotics at ABB. "This is ABB's most compact and lightweight robot ever, and a great addition to our small parts assembly solutions portfolio."

The IRB 1100 is also among the first of a new era of robots built around ABB's new flexible design approach, which will help introduce a wider variety of robot sizes and variants that can be combined into tailored solutions. IRB 1100 will be certified for cleanroom applications in the future and is available in two variants – one with a 4kg payload with 475 mm reach, and one with a 4 kg payload and 580mm reach.

Availability
The IRB 1100 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

For more information, please contact:

Inquiries (English)
Nicole Salas
nicole.salas@se.abb.com

Inquiries (Chinese)
Chelsea Hsu
chelsea.hsu@tw.abb.com