

ABB releases upgrade to best-selling IRB 1600 robot

Higher payload, outstanding cycle times and incredible accuracy add value to the workhorse of ABB's robot lineup.

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- *Increased payload:* 8 kg and 10 kg payloads are available in both 1.2 meter and 1.45 meter reach variants
- *Shortest cycle times:* Up to 50% shorter cycle times than competitors with low friction spur gears and second generation QuickMove™
- *High accuracy:* TrueMove™ and a stiff design enable superb path accuracy resulting in unparalleled work piece quality
- *Flexible mounting:* Wall, floor, inverted, tilted and shelf mounting
- *Harsh environments:* IP 67 and "Foundry Plus 2" protection ensure operability in demanding installations
- *Energy efficient:* Competition consumes at least 40% more power at max speeds which means bottom line savings

As one of the most popular products in ABB's wide range of robotic offerings, the IRB 1600 plays an important role in many industrial applications. From machine tending and material handling to arc welding and cutting applications, IRB 1600 is a versatile machine.

To extend the usefulness of this already adaptable robot, ABB has upgraded the IRB 1600's top payload from 8 kg to 10 kg. The increased payload expands the already-large range of general industry applications the IRB 1600 can serve. The improved payload is available for both the 1.2 meter and 1.45 meter robot variant.

"The IRB 1600 was already able to work in some incredibly diverse and demanding environments," said Per Lowgren, Product Manager. "This upgrade is an important step in maintaining the IRB 1600's leadership role and will allow our customers to increase productivity with shorter cycle times and higher payloads."

The IRB 1600 is already well-known for its combination of accelerations and accuracy. Second generation QuickMove™ motion control and the low friction spur gears help cut cycle times by up to 50 percent compared to competitor robots. Meanwhile, ABB's TrueMove™ technology and a stiff design enable superb path accuracy even at high speeds.

"With IRB 1600, significantly increasing the output and ensuring improved work piece quality should be a realistic expectation for many users," said Per Lowgren. "As a company we are proud to offer our customers this competitive edge while providing an energy efficient robot with noise levels that are lower than that of the competition."

The upgrade improves upon the IRB 1600's other existing advantages, such as solid protection for use in harsh environments (IP 67 and Foundry Plus 2) and total mounting flexibility. The 1.2 meter reach variant also makes the robot more dexterous in confined spaces for improved reach and flexibility.

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.

Press Release



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.

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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