ABB launches faster version of its smallest industrial robot

The new benchmark for rapid pick & place applications requiring extreme flexibility combined with industry leading 10 micron repeatability.

18th May, 2012

ABB has launched the IRB 120T, a faster variant of its smallest ever multipurpose industrial robot, while keeping its trademark compact, agile and lightweight features, the six-axis IR 120T variant delivers a substantial increase in the maximum speeds of axis 4, 5 & 6, resulting in cycle time improvements of up to 25%.

Commenting on the new IRB 120T variant, Nicolas De Keijser, Product Manager for ABB’s small robots comments “During the successful deployment of large volumes of standard IRB 120 robots across the world we identified a need for a faster variant of the robot to be utilized in pick and place applications, particularly in food & beverage and packaging industries. I also foresee benefits in assembly applications for electrical & electronics and automotive parts manufacturers.

This agile and ultra fast robot is also the industry benchmark in term of accuracy with an unmatched repeatability of 0.01 mm. It can also be mounted at any angle, either in a cell, on top of a machine or close to other robots on the manufacturing line.

The robot comes with the ABB IRC5 Compact control, bringing all the benefits of the world leading robot controller. This includes superior path motion, user friendly FlexPendant programming, RobotStudio offline programming, flexible RAPID language and powerful communication capabilities.

De Keijser concludes “The continuous demand for higher outputs of consumer goods requires the most up-to-date and efficient production equipment. By developing the IRB 120T we are supporting those industrial needs with a cost-effective and reliable solution for generating increased production outputs in return for a minimal investment.”

The new robot and the IRC5 controller are fully supported by the ABB Robotics’ global sales and service organization in 53 countries and over 100 locations.

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