

## New Machining PowerPac increases ease of use and improves product quality with optimized processes for robotic machining

*RobotStudio® Machining PowerPac reduces programming complexity by 50% and optimizes machining tool paths to improve product quality.*

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- **Designed for CAD/CAM-based applications:** Ideal for machining, deburring, polishing, grinding and deflashing
- **Easily generates machining paths:** Machining paths and curves created on free surfaces
- **Integrated postprocessor:** Creates accurate paths from CAM software utilizing strong integration with robot controller
- **Completely new interface:** Allows users to easily adjust or optimize corresponding process parameters

A leader in the development of robot programming software, ABB is pleased to introduce its latest RobotStudio® add-in, the Machining PowerPac. This software is ideal for programming of applications such as machining, deburring, polishing, grinding and deflashing. It also can be used with a variety of CAD model-based path generation applications, and allows users to configure specific applications in a sequence of steps simultaneously.

“ABB puts a lot of effort into creating innovative solutions that address the needs of our customers,” says Daniel Pintar, Product Manager, Machine Tending, Material Handling and Machining ABB Robotics. “The Machining PowerPac add-in for RobotStudio addresses our customers’ leading concerns. It is easy, fast and flexible and allows users to generate precise robot paths without having to teach them. In addition, the integrated post-processor generates accurate robot paths from the CAM software so the robot machining application can be completed more rapidly than ever before.”

The Machining PowerPac from ABB provides several strategies to generate machining path and curves. By optimizing the speed, acceleration or axis setting you can dynamically preview the tool path and ensure the right target robot configuration.

“The Machining PowerPac path modifications are fast and the software can analyze the ideal orientation to optimize the reachability of targets,” explains Pintar. “The different path strategies increase the life of the machine tool. As targets and paths are automatically generated from the surfaces of a CAD model or CNC code, a consistent and accurate result can be achieved independent of user skills.”

The software features both position-controlled and force-controlled machining processes and a completely new user interface enhances usability by enabling users to adjust or optimize corresponding process parameters and dynamically preview tool path in the simulation.

Visit [www.abb.com/robotics](http://www.abb.com/robotics) for further information.

### Further information for editors:

ABB ([www.abb.com](http://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

# Press Release



helps manufacturers improve productivity, product quality and worker safety. ABB has installed more than 200,000 robots worldwide.

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