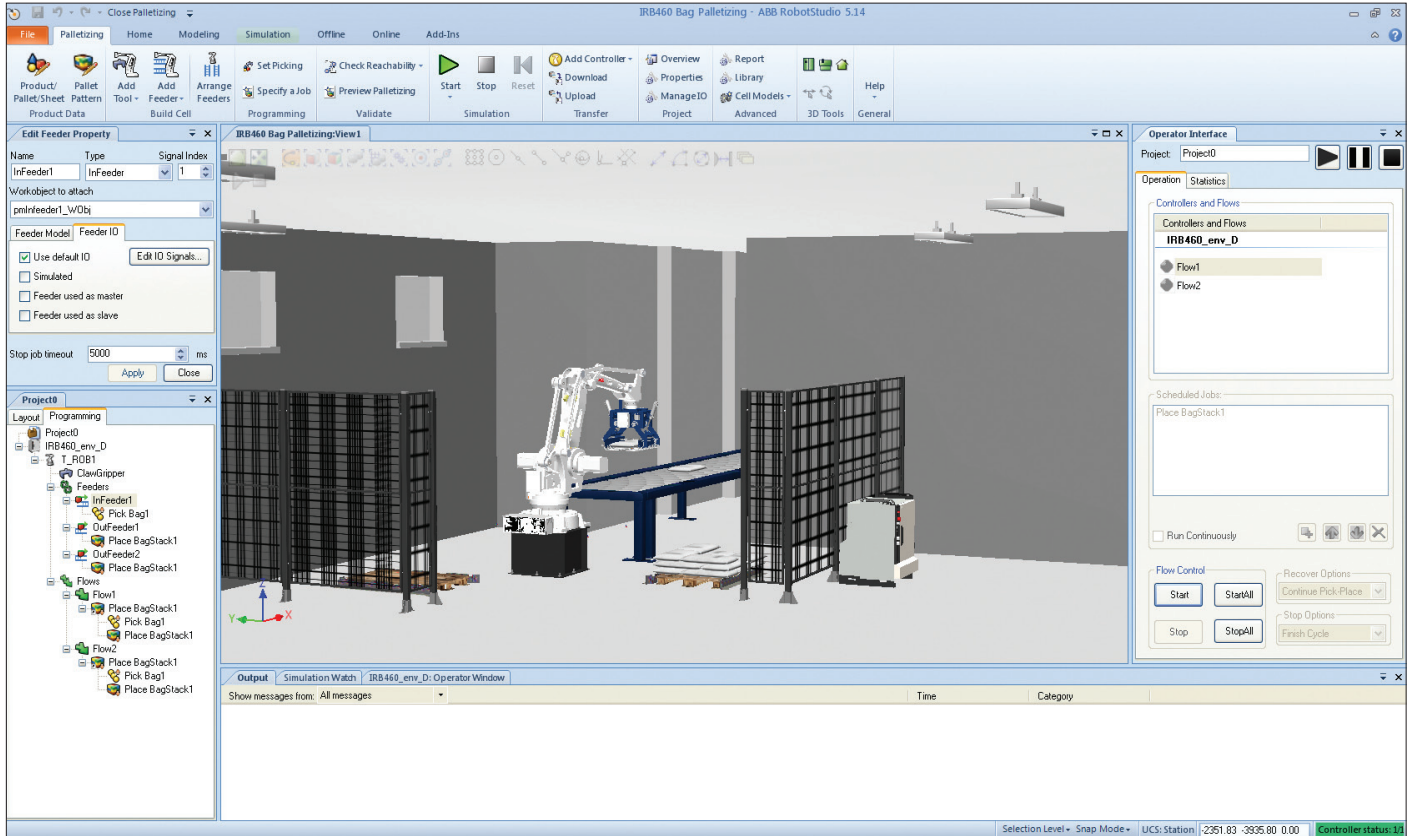


RobotStudio Palletizing PowerPac Industrial software products



A revolutionary new program from ABB makes programming robot palletizing systems easier than ever before. As no programming skills are required, RobotStudio Palletizing PowerPac software radically reduces programming times and creates fully tested simulations, and real robot system programs, in minutes.

RobotStudio is the world's most popular off-line programming system for robots and robot systems. By utilising ABB's VirtualRobot™ Technology it enables you to create an exact "virtual" copy of your robot system at your desk. The actual robot software runs on a PC and controls the on-screen robot simulation in the same way it would control the real robot. This ensures that your programs are accurate, proven, tested and ready to run in production.

Fast and easy programming

ABB has over 25 years experience in both robot programming methods, precise motion control and palletizing. Now all that experience has been brought together in a single add-in to RobotStudio - the Palletizing PowerPac. It combines the precision, power and reliability found in all ABB's software with the ease of use, and the simulation capabilities, of ABB's Robot Studio. This new add-in program allows novice users to easily design palletizing installations and create simulations of the systems actually running in real time. Robots, and other system elements like conveyors and grippers, are "configured" rather than programmed, saving up to 80 percent in programming time when compared to traditional methods.

At a time when trained robot programmers are a scarce resource, Palletizing PowerPac addresses a growing need for a really simple programming method for often complicated robotic palletizing systems.

RobotStudio Palletizing PowerPac

From PC to production

With the Palletizing PowerPac users do not have to write a single line of code. Instead they select robot and gripper types from an embedded library and then they set simple parameters, such as package sizes, pallet size, pallet patterns, numbers of layers. The software then creates the program ready to simulate, test and fine tune, thereby saving valuable time.

Everything you need to get started

Everything in the Palletizing PowerPac is pre-configured to ABB's precise standards. The software comes complete with ABB's full range of palletizing robots and all three of the FlexGripper palletizing gripper versions. As the robots all have integrated cabling to the grippers this eliminates programming uncertainties about movement from swinging cables or interference between multiple robots. The input/output signals to control the ABB grippers are also included and pre-configured for ease of use.

Prove your solutions before you start

Using RobotStudio Palletizing PowerPac in the design phase of palletizing systems enables decisions, like where to position the robot for maximum output, really easy to resolve. You just move the robot, pallet and conveyor around until all positions are reachable. This allows you to easily verify and optimize the palletizing cell layout. Programs can then be tuned for speed and process efficiency, and cycle times verified and optimised before system build or production starts. The automatic collision detection function also ensures there will be no costly damage to your valuable new equipment.

Increase uptime and gain greater productivity

It's not just new installation that benefit from the ease of use of Palletizing PowerPac. It is also easy to introduce new products to existing lines without stopping production. New palletizing routines can be created and process performance parameters predicted and verified off-line - without disturbing existing production equipment.

Secure and maximise your investment

The Palletizing PowerPac also allows you to create movie clips in just minutes and is therefore an indispensable tool for sharing your ideas with others. When your managers or customers are able to see simulations of your palletizing solutions in real time and on the spot, your success rates rise dramatically. Off-line programming and simulation with RobotStudio Palletizing PowerPac is the easiest, and fastest way, to maximize the return on investment for your robot palletizing system.

Highlighted features and functionality

- Plug and play functionality
- Combines experience from proven software packages
- Save all executed tasks
- Reachability checking
- Cell simulations
- Work off-line
- Back-ups in XML format
- Reporting in PDF format
- Access to extensive library of robots, grippers and other palletizing system elements
- IO signal listings

Screen recording

Use the ScreenRecorder to make a recording of your work in RobotStudio. This is useful for demonstration, sales and training purposes.

Rapid editor

Should you need to edit the RAPID program code itself, RobotStudio supports syntax coloring, search and replace, bracket matching, etc.

Robot CAD models available

All ABB robot CAD models can be used in the application.

CAD models of Palletizing Grippers included

FlexGripper - Claw

FlexGripper - Clamp, 1 zone and 2 zone

FlexGripper - Vacuum

CAD data import

All major CAD formats, including IGES, STEP, VRML, VDAFS, ACIS and CATIA, can be imported.
