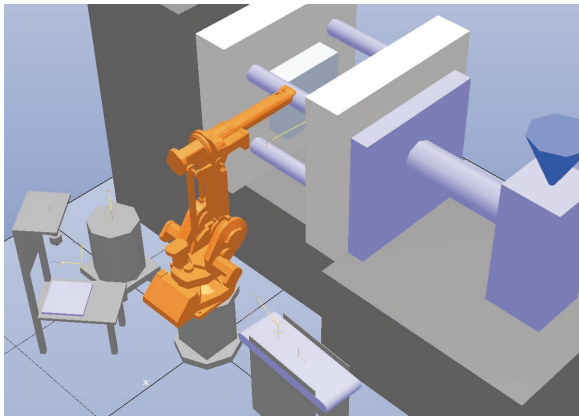# RobotStudio Plastics Sales Tool

Software for the Plastics Industry

The fast way to visualize a robot cell

Now you can forget about terrible drawings by hand to visualize a robot cell. RobotStudio Plastics Sales Tool is a simulation software that demonstrates the ability of ABB robots in machine tending applications. The customer gets an estimation of cycle time and cell foot print, as well as an understanding of what post-processes the robot may achieve while the machine is moulding the next part.

Thanks to the simulated robot cell, the understanding between customer and integrator of the common goal is improved. Even the inexperienced RobotStudio user can quickly set up a simulation.

This makes RobotStudio Plastics Sales Tool a true sales tool to be used both by a sales force and engineers.
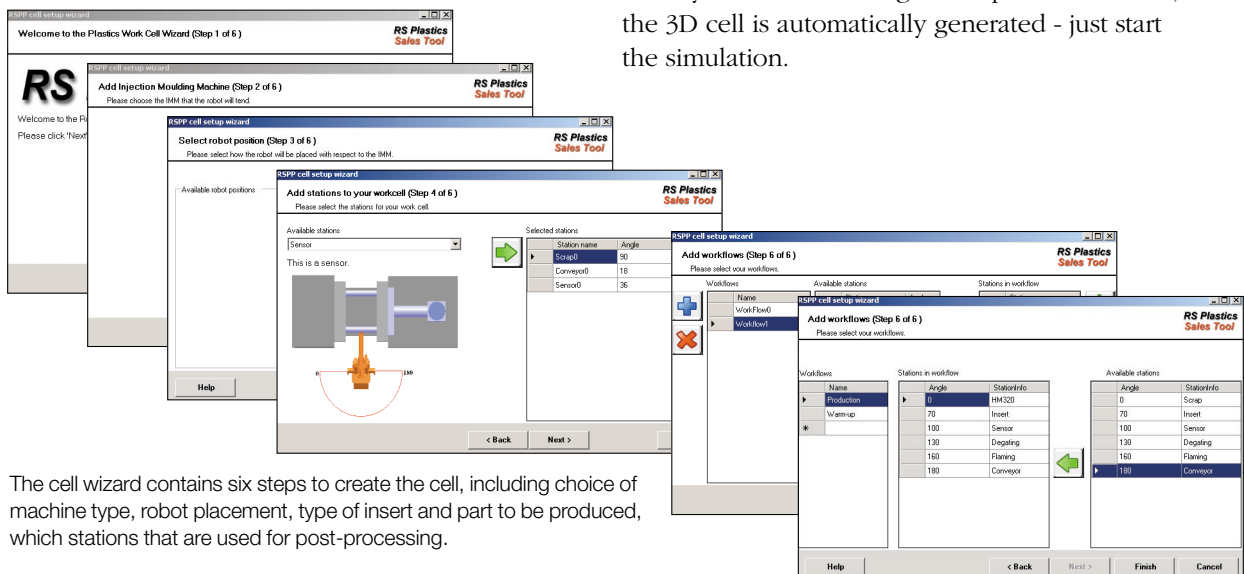
RobotStudio

The Plastics Sales Tool is based on RobotStudio, ABB's simulation and offline programming software. RobotStudio allows robot programming to be done in the office without shutting down production. It also enables robot programs to be prepared in advance, increasing overall productivity. You can save considerable time and money by using RobotStudio:

- Reduce risks by visualizing and confirming solutions and layouts.
- Program new parts without interrupting production.
- Optimize robot programs to increase productivity.
- Generate higher part quality through the creation of more accurate paths.

Six steps to creating a 3D cell

When creating a 3D robot cell to simulate, the user is guided by the Cell wizard. The wizard contains six steps to create the cell, including choice of machine type, robot placement (both shelf and floor mounted robots are available), type of insert and part to be produced, which stations that are used for post-processing (de-gating, flaming, conveyor). After finishing the steps in the wizard, the 3D cell is automatically generated - just start the simulation.

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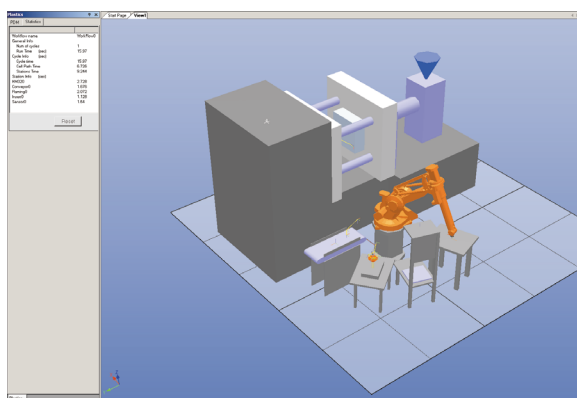
RobotStudio Plastics Sales Tool

Pre-defined 3D stations

A cell is made up of several stations, e.g. injection moulding machine, insert/in-mould pick up, de-gating, flaming, conveyor. RobotStudio Plastics Sales Tool is based on station libraries with different kind of stations and also moulded parts. As for the machine, many of the market leading brands are represented with their different models. Hence, it is not necessary to import cad models. Should any of the stations in the library need to be adapted, this is easily done by modifying the station's geometrical parameters. Each station contains a pre-defined robot path. The user still has the possibility to import his own cad stations, and can then also easily add the robot path to them.

Visualize your solution in one hour

With RobotStudio Plastics Sales Tool even the inexperienced RobotStudio user can quickly set up a simulation thanks to the cell wizard. Also the experienced user saves time with the 3D station library since he does not need to import his own cad models, nor define the robot paths. After you have the customer requirements for a robotized machine tending cell, less than an hour is needed to create the first simulation. The customer gets an estimation of the cycle time through the statistics function as well as the cell foot print. Further, it is clear what post-processing the robot may achieve while the machine is moulding. A simulation is an easy way to reach common understanding of the solution proposed.

RobotWare Plastics Mould

When it is time for installation of the real robot, RW Plastics Mould is the software product for easy programming, and operation of the ABB robot for machine tending and post processing. It provides an easy-to-use user interface for programming and production, including safe home run, user authorization, production statistics, event log as well as a standardized and structured way of machine tending programming. The production gets more efficient all through installation, production set-up and optimization of the robot cycle, no matter if you produce mobile telephones or car bumpers. RW Plastics Mould minimizes the learning curve, setup time, error recovery time and improves error diagnostic accuracy. Just as for RS Plastics Sales tool, the keyword is EASY.

Features RobotStudio Plastics Sales Tool

- Statistics – simulate the cycle time.
- Foot print – visualize area needed for the cell.
- Simulation automatically generated.
- Post-processing – visualize the robots ability and flexibility for post-processing.
- Wizard – six steps to create 3D cell.
- Pre-defined paths – each station contains a pre-defined path for the robot.
- Machine library - market leading brands are represented with their different models.
- Customize stations – stations are easily modified.
- Language: English.

Requirements

To use the RobotStudio Plastics Sales Tool a RobotStudio 5.07 license is needed.

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