ROBOTICS
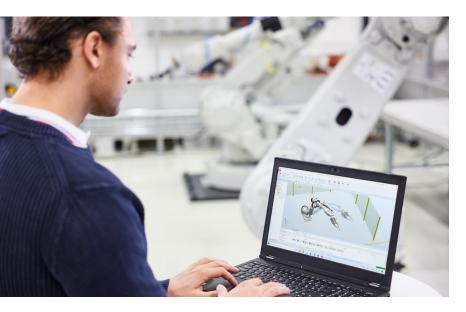
RobotStudio®
The world's most used offline programming & simulation tool for robotics

Over 500 functionalities
to speed up programming
and commissioning time.

Offline programming is the best way to maximize return on investment for robot systems. ABB's simulation and offline programming software, RobotStudio®, allows robot programming to be done on a desktop in the office without disturbing production, this allows you to perform tasks such as training, programming, testing or change to optimization.

The tool is built on a highly-accurate virtual controller, an exact copy of the real software that runs your robots in production. This allows very realistic simulations to be performed, using real robot programs and configuration files identical to those used on the shop floor.

RobotStudio® has over 500 functions including Automatic Path Planning, RAPID Editor, Signal Analyzer, and Station Viewer. All togheter accelerate productivity and efficiency, speeding up commissioning time by at least 25%.

The desktop version of the RobotStudio® works together with the web-based RobotStudio® Cloud that enables real-time collaboration with high transparency and the RobotStudio Augmented Reality Viewer application allows users to visualize robotic solutions in any location at anytime on their mobile device.

Benefits:
1. Program and simulate an exact copy of your production cell without disturbing ongoing production
2. Gain access to over 500 functions including Automatic Path Planning
3. Quickly plan and design new robotic solutions to repurpose facilities for product modifications
4. Reduce downtimes to zero and commissioning times from days to hours
5. Upfront robotics simulation and process optimization leads to minimal energy usage and waste

Hardware and software requirements

Operating system	Windows 10 and later
CPU	2.0 GHz or faster processor, multiple cores recommended
Memory	8 GB minimium 16 GB or more if working with large CAD models
Graphics card	High-performance DirectX 11 compatible graphics card. For the Advanced lightning mode Direct3D feature level 10_1 or higher is required.
Screen resolution	1920 x 1080 pixels or higher is recommended
DPI	Normal size (100 % / 96 dpi) up to Large size (150 % / 144 dpi)
Mouse	Three-button mouse
3D Mouse [optional]	Any 3D mouse from 3DConnexion, see www.3dconnexion.com
Touch screen	Touch is enabled for Windows Multitouch screens
Related software	
RobotStudio® Cloud	Intuitive web-based software to accelerate real-time collaboration on robotic solutions
RobotStudio® AR Viewer app	Visualize robotic solutions in AR anywhere and at any time on a mobile device

Scan the QR code

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