

EASY-ROB™ App

The EASY-ROB™ App serves all your virtual process steps and supports you throughout. From planning the robot work cell, to the testing reachability, collisions and travel ranges, up to the cycle time analysis and program generation.

Single-Robot Version

The Single-Robot version is the entry-level version and also gives you professional access to the virtual programming world!

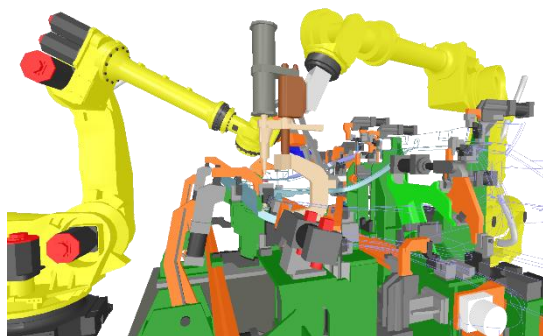
- For robot work cells with only one (1) robot. The number of kinematics like grippers, turntables etc. is not limited in loading, linking and simulating.
- For each work cell and all kinematics one program is loaded. By this program all devices are controlled sequentially.

Multi-Robot Version

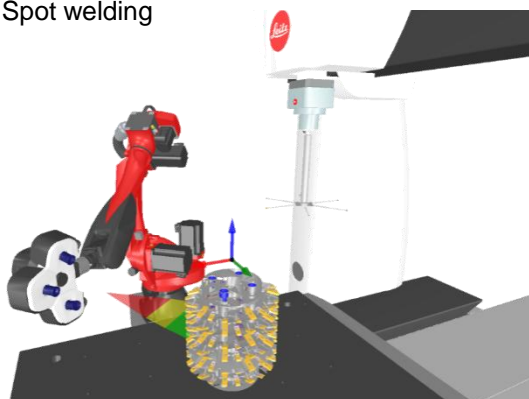
The Multi-Robot is based on the Single-Robot version..

- The number of robots and programs for each work cell is not limited. Kinematics like grippers, conveyors etc. are not limited in loading, linking and simulating.
- With the Multi-Robot version you can move several robots and kinematics synchronized and simultaneous. The different programs communicate by I/O-signals.

Application examples



Spot welding

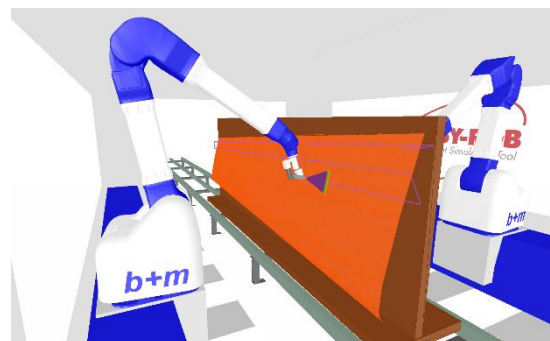


Optical measuring

Viewer Version

With the cost-neutral Viewer you can simulate existing work cells.

- Program specific functions are available such as different views, start, stop or creating video files. This version is especially developed for marketing and sales employees to improve e.g. presentations.
- All functions of the Multi-Robot version are available including capturing movies (AVI) and the animated VRML export.



Painting with conveyor tracking

EASY-ROB™ App

Your advantages

- Quick checking and visualizing of automation ideas
- Feasibility studies at a reasonable price
- Increasing planning and investment security
- Efficient programming of processes
- Reduction of startup times
- Convenient recording of simulation results for clients

Applications

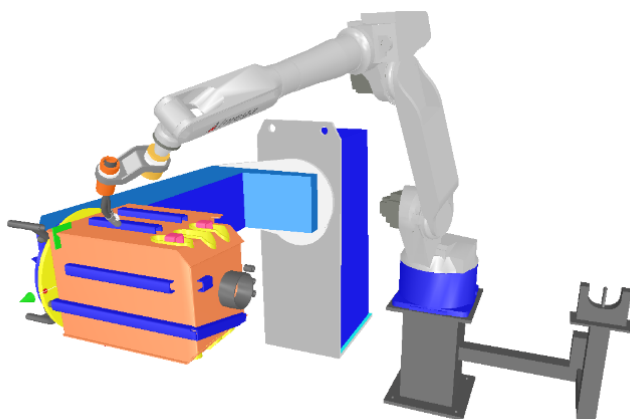
- Checking of reach ability, collisions and travel ranges
- Cycle time analysis and estimations
- Offline programming
- Sales assistance
- Training and education
- Feasibility studies for the development of new machine concepts
- Individual product customization (API - Application Program Interface)
- Integration of own mathematic procedures and solutions (API)

All features at a glance

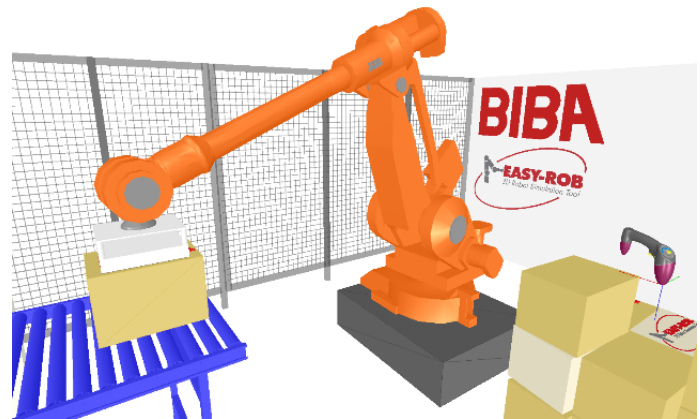
- Robot libraries of all notable manufacturers with more than 1000 pc.
- Modeling of individual devices and robots
- CAD file import and export e.g. STEP, STL and VRML II
- Layout planning
- Hierarchical collision detection
- Individual measurement functions
- Simulation of work cells
- Programming of robots
- Interpolation types LIN, PTP, CIRC
- Project administration
- Presentation via AVI and animated 3D-PDF
- Flexible licensing by computer-bounded, WibuKey Dongle and floating

System requirements

- Windows® 10 64-Bit
- EASY-ROB™ runs on Windows®-based PC with min. 8 GB RAM
- A graphics adapter with dedicated memory is recommended
- EASY-ROB™ uses the OpenGL™ graphics library (version 2.0 or higher)



Welding



Handling