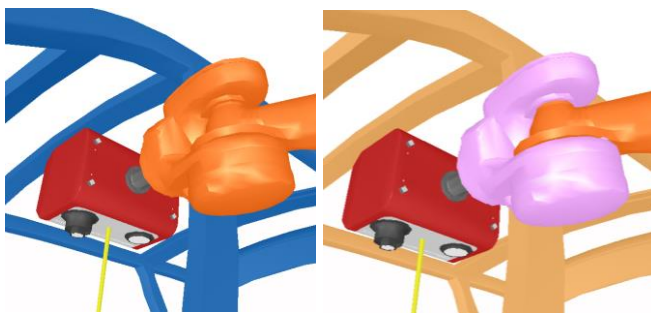


EASY-ROB™ AutoPath™

Collision-free path planning

EASY-ROB™ AutoPath™ creates collision-free paths. The automatic calculation greatly simplifies the work of the operator -

And also brings to your software [Robotics 4.0!](#)



With and without AutoPath™

- Automatically calculated WayPoints prevent collisions



Automatic calculation of WayPoints

- Due to the automatic calculation of WayPoints obstacles are going to be avoided
- with a sophisticated RRT search algorithm



API

- C/C++ and C# Method class `ERAuto_CAPI`



Specification of travel ranges

- Axis constraints for the travel ranges can be defined via API



Calculation of axis configurations

- also supplies the axis configuration for each WayPoint

Advantages

- Automatic calculation of WayPoints and axis configurations
- Callback functions
- Easy integration into technology driven software solutions
- API available

EASY-ROB™ AutoPath™

Collision-free path planning

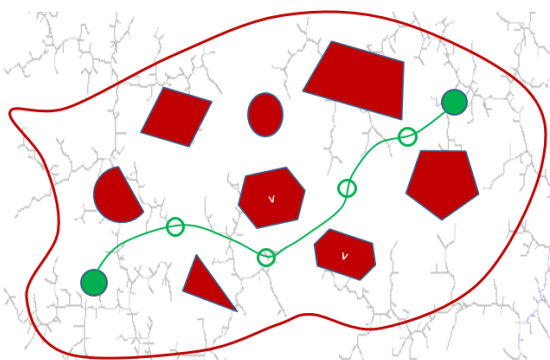
After geometric conditions are met, the collision check is performed.

Further information on EASY-ROB™ [Collision](#) can be found in the corresponding flyer.



Callback Funktion

- Cartesian Space
- Collision
- Tube Constraints
- Travel Ranges
- Let your individual constraints be taken into account



Application Possibilities

- Industrial robots
- Service robots
- Animation and simulation
- Motion planning
- Assembly tests
- Offline programming
- Measurement protocols
- Autonomous driving
- Industry-independent

Integration

- Detailed doxygen documentation
- Programming examples for MS Visual Studio® C/C++ and C#

System requirements

- Windows® 10 64-Bit

Support

- Support for individual integration

More modules available:

- EASY-ROB™ [Collision](#)
- EASY-ROB™ [ERK](#)
- EASY-ROB™ [RobLibs](#)