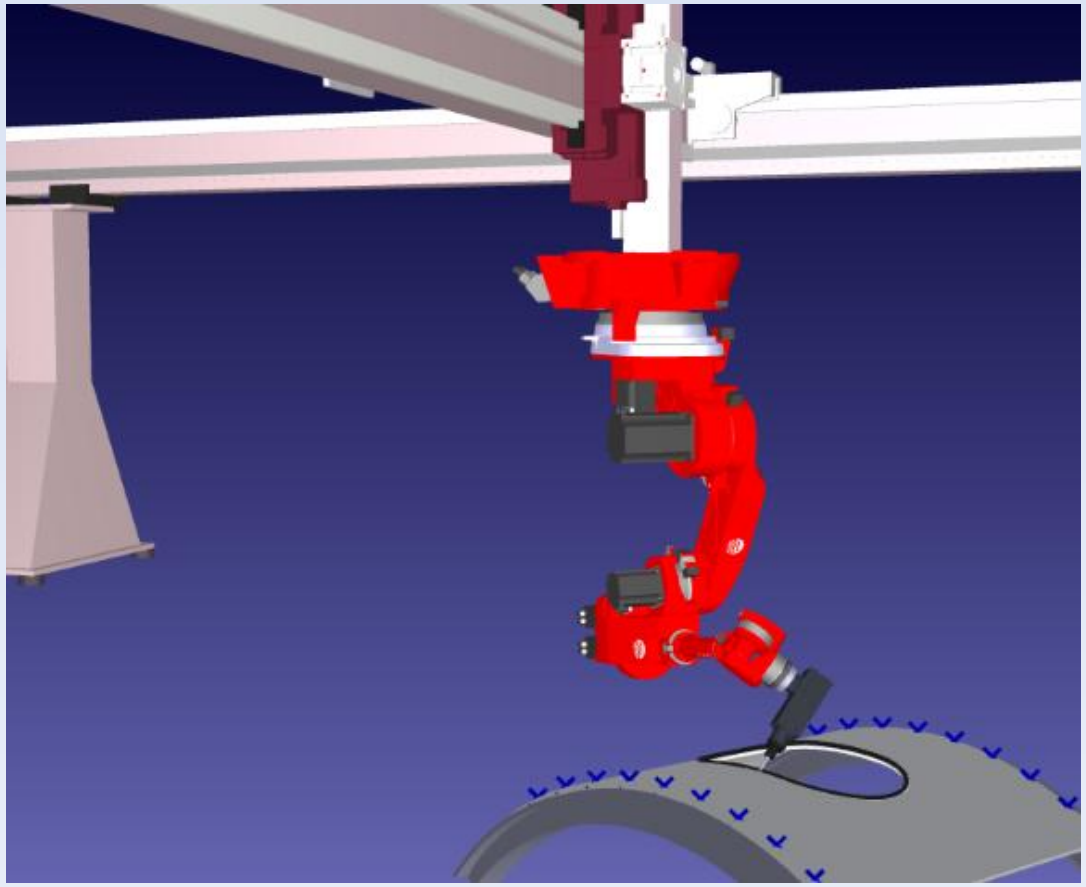
RoboDK Features

- ✓ Offline simulation & programming
- ✓ Robot Milling
- ✓ 3D printing with robots
- ✓ Robot Welding
- ✓ Robot Painting/Inspection

- ✓ Robot Accuracy Ballbar test
- ✓ Robot Calibration

- ✓ User friendly 3D simulator
- ✓ Export HTML/PDF simulations
- ✓ Library of +200 robots
- ✓ Powerful API
- ✓ Supported brands:

ABB, Motoman, KUKA, Fanuc, UR, ...



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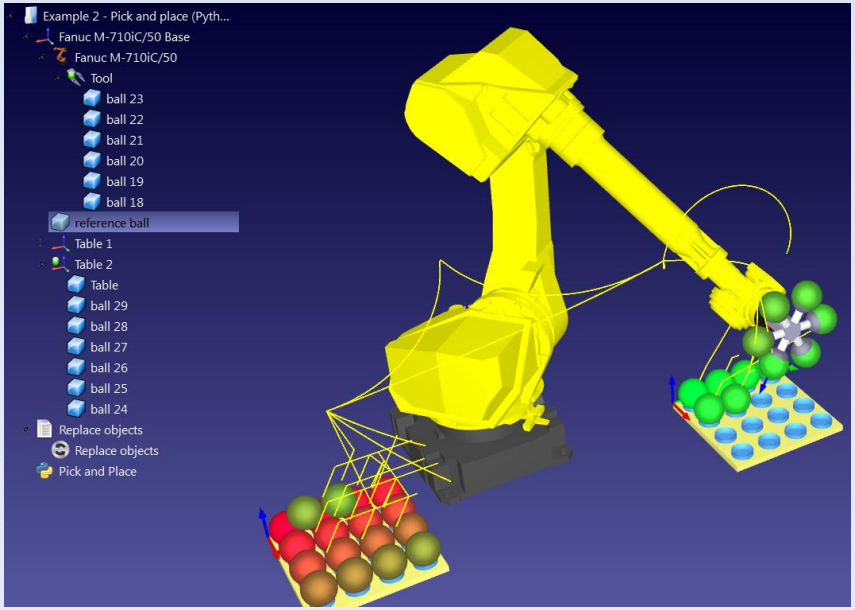
RoboDK
ROBOT DEVELOPMENT KIT

RoboDK is a powerful offline programming platform



You can simulate any application with RoboDK. It is very easy to have a virtual model of your automated cells, create targets and reference frames offline, check reachability, check collisions, import&export robot programs... RoboDK is easy to learn as it is a very user friendly simulator.

The RoboDK API gives you the freedom to simulate your processes the way you want. You can even simulate drawing or painting applications. With RoboDK's API you can also generate robot programs directly from your preferred programming language (such as Python or C#).

Easily import & export programs from/to your robot

- ✓ ABB Rapid (.mod files)
- ✓ Fanuc LS (.LS and .TP files)
- ✓ Kuka SRC (.src files)
- ✓ Motoman (.JBI files)
- ✓ Universal robots (urscript files)

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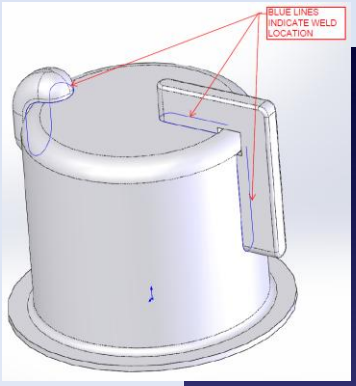
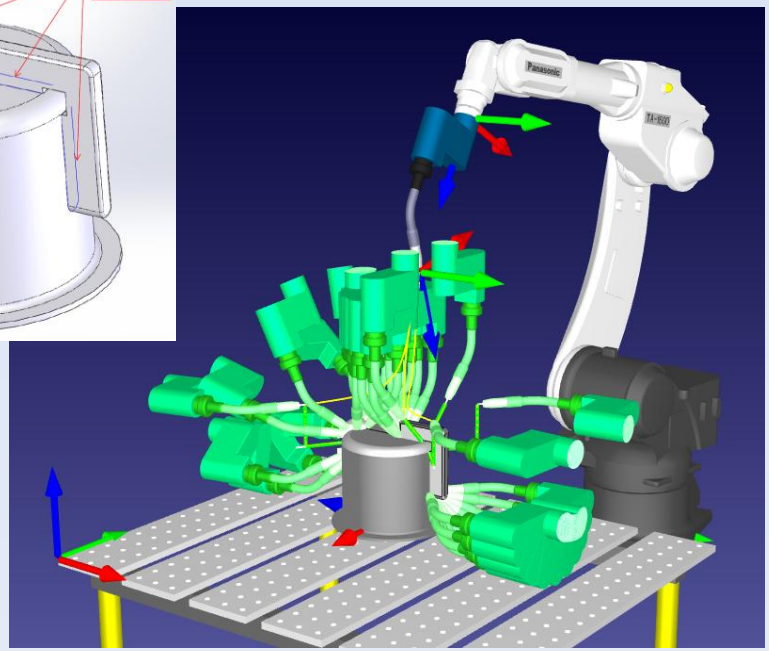
Path planning for manufacturing

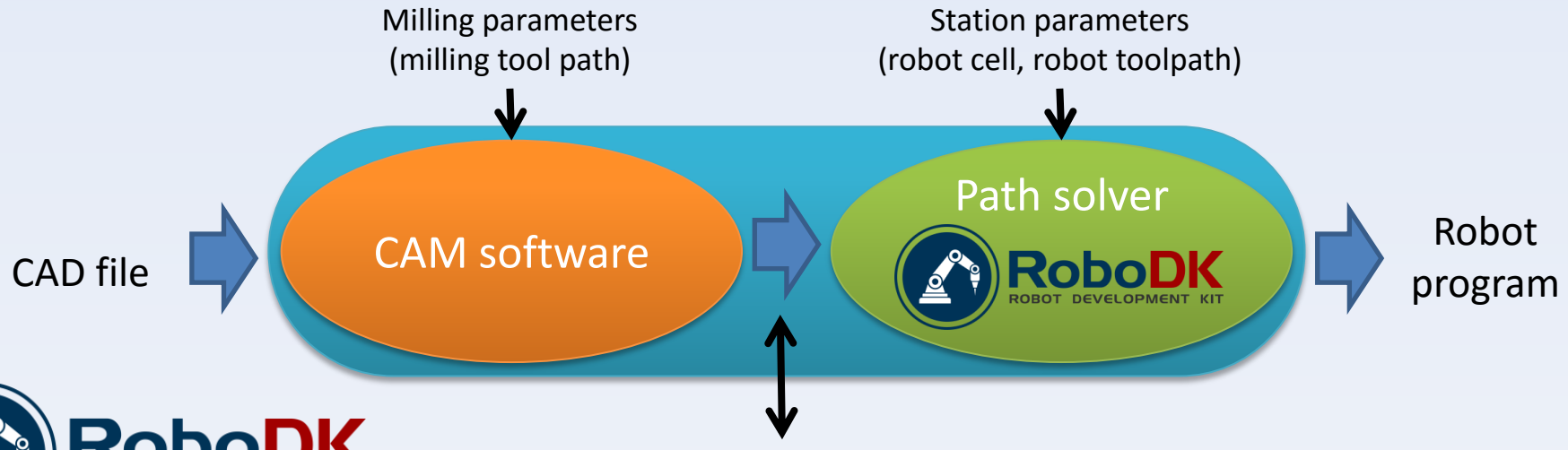




With RoboDK it is possible to use robots as a 3D printer or like a CNC. It is very easy to generate robot programs for applications such as milling, welding, painting, deburring, ... You can easily simulate and convert CNC programs into robot programs. RoboDK will automatically optimize the path planning, avoiding singularities, axis limits and collisions.

You can also generate robot programs from curves included in your CAD file, import features from text files (such as curves or points) or generate your own paths with RoboDK's API (example).

Take a look at our robot milling introduction



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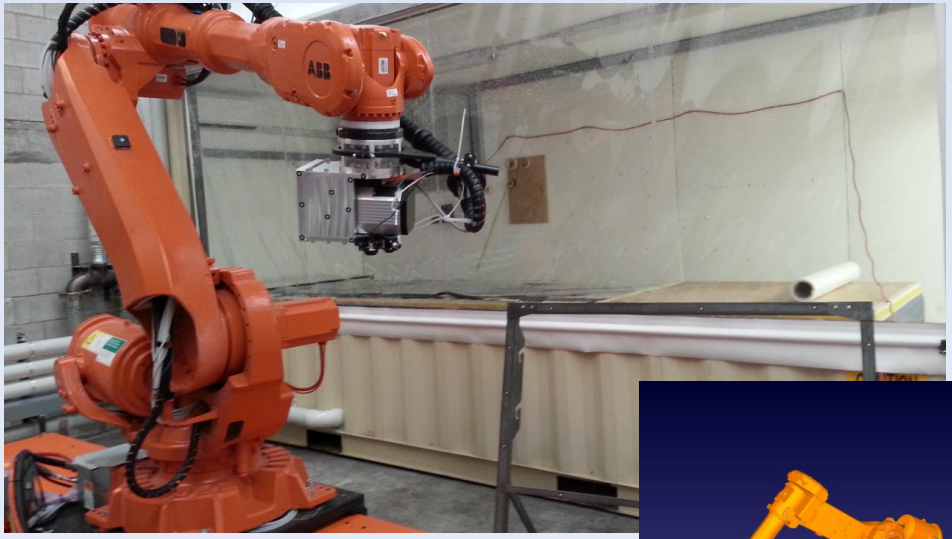
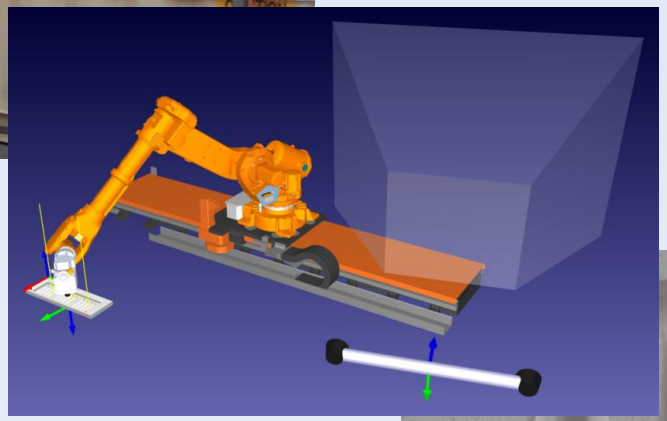
Accurate robot milling



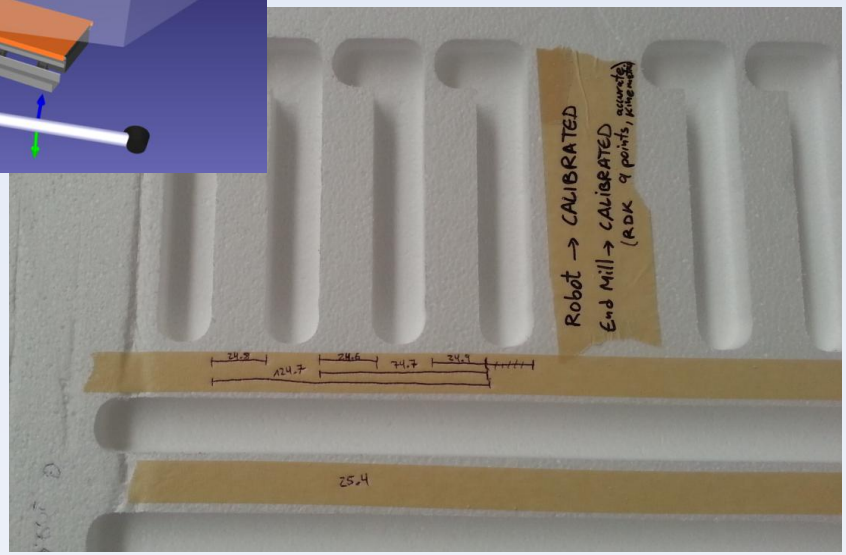
RoboDK offers calibration services that can be used together with any of RoboDK's features. No third party software is required to generate accurate robot programs, allowing you to quickly deploy your solutions.

Robot accuracy can be improved by a factor varying from 2 to 10, depending on the robot. The measurement systems allowed are:

- Laser trackers
- Stereo cameras
- Ballbar devices



[Robot calibration video]
[Ballbar accuracy test video]



- ✓ Milling accuracy can be improved by a factor of 2 or better
- ✓ RoboDK is an active project and highly customizable to our custemer's needs

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RoboDK Customers

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[AV&R Global](#)
[L3-Communications](#)
[Rockwell Automation](#)
[Whirlpool](#)
[Neoset designs](#)
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