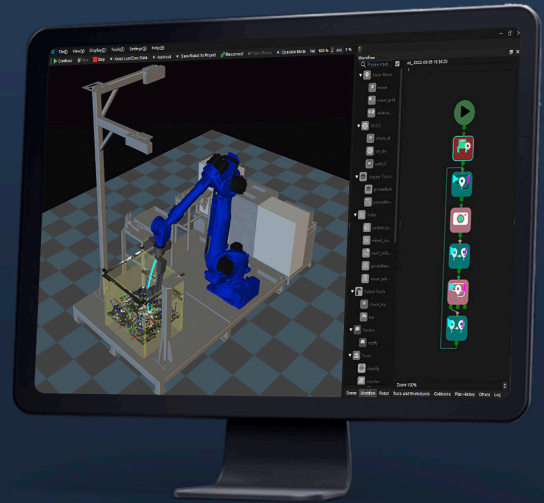




# Mech-Viz

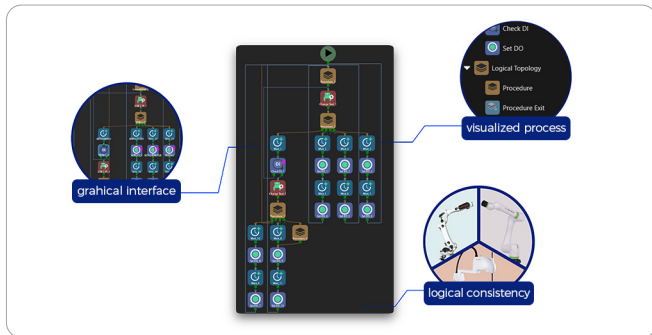
## Robot Programming Software

- Robust built-in algorithms
- Seamless integration with robots
- Designed for complex applications



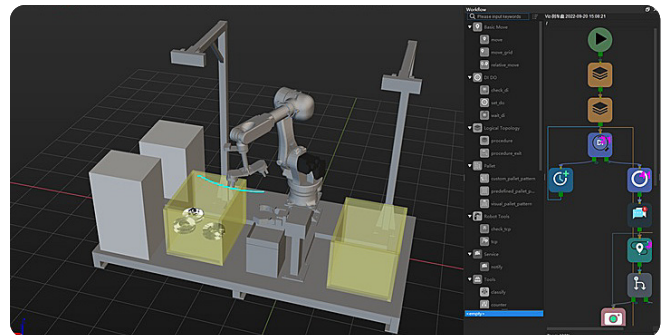
Mech-Viz is the next-generation robot programming software featuring a visual, codeless programming interface. This software realizes one-click simulation and optimizes the robot performance in real-world tasks. The built-in algorithms, such as path planning, collision detection, and picking planning, allow for more stable and reliable robot performance in bin picking, machine tending, depalletizing, and other demanding applications.

### Explore the benefits of Mech-Viz



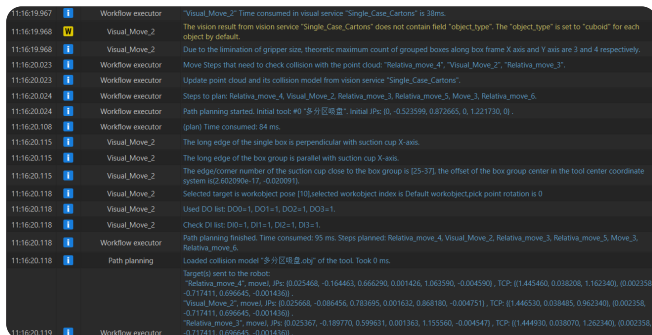
#### No-code user interface

Mech-Viz adopts a flowchart interface to build your applications easily and quickly. You just need to drag and connect the function modules, which makes robot programming more intuitive and understandable.



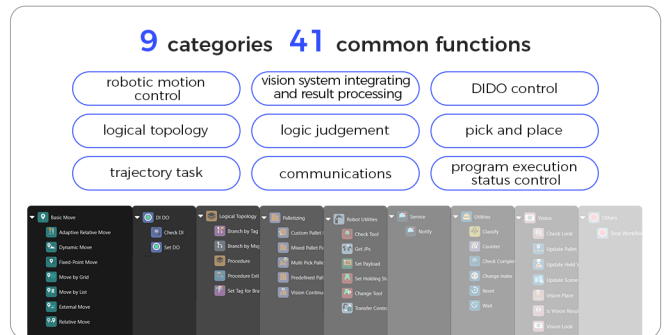
#### One-click simulation

With a single click, you can simulate robot movements and interactions with the environment before actual implementation. The function enables you to test and observe robot control logic and behavior in various scenarios.



#### Issue tracking

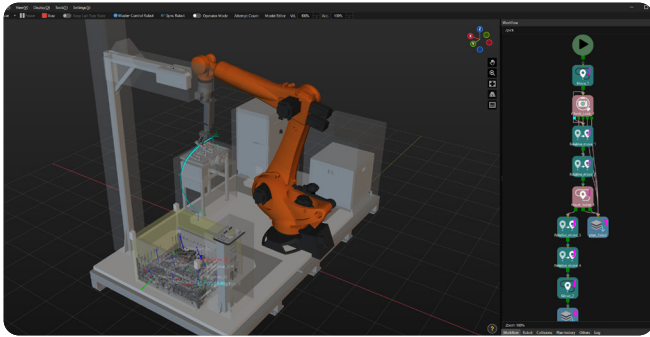
Via the planning and runtime logs, you can track the behavior and optimize the performance of robots in simulated and real-world environments.



#### Complete functions

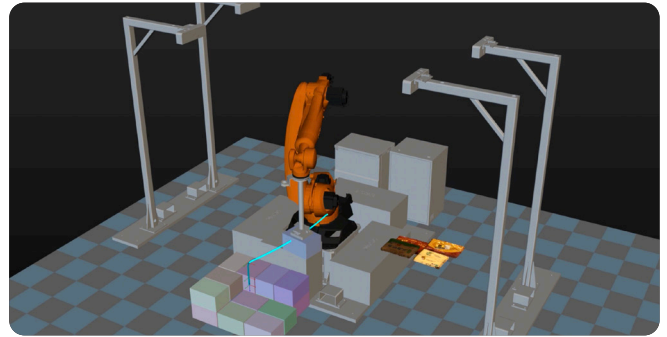
With versatile programming modules, such as motion control, vision system communications, and result processing, Mech-Viz is ideal to solve complex industrial applications.

## Smart built-in algorithms for complex applications



### Path planning

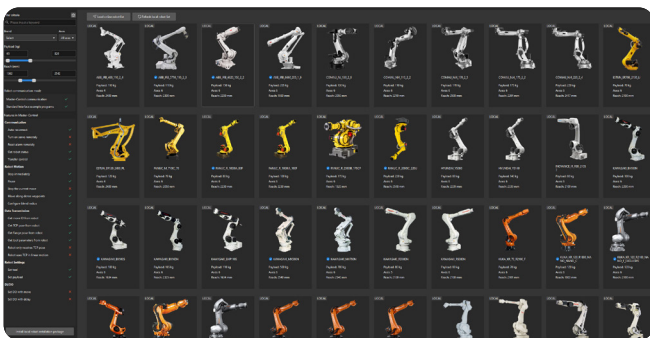
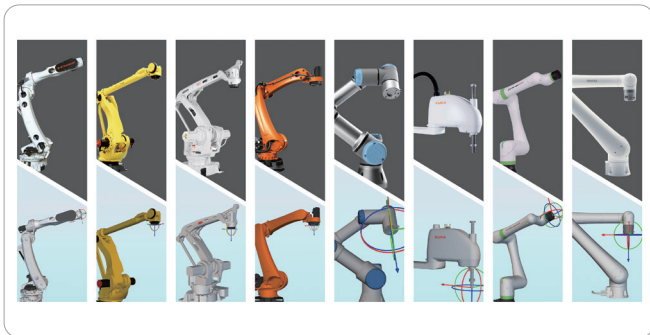
The collision detection and path planning algorithms predict the potential collision and optimize the motion trajectory of robots, which allows for more stable operation in bin picking and other complex robotic applications.



### Grasping planning

The intelligent planning algorithms empower the robot to handle multiple grasping points and multiple tool center points (TCP). Driven by motion simulation and collision detection algorithms, the robot can accurately pick items without collisions and easily handle multi-pick depalletizing.

## Seamless integration with robots



### Easy communications

Mech-Viz supports the communications with robots of major brands through standard interfaces such as TCP/IP Socket, Siemens PLC Snap7, PROFINET, and EtherNet/IP.

### Various types supported

Mech-Viz supports industrial robots, collaborative robots and other common robots.

### Rich robot library

Nearly a thousand models are available in the robot library. Users are allowed to download and install the models online and offline.