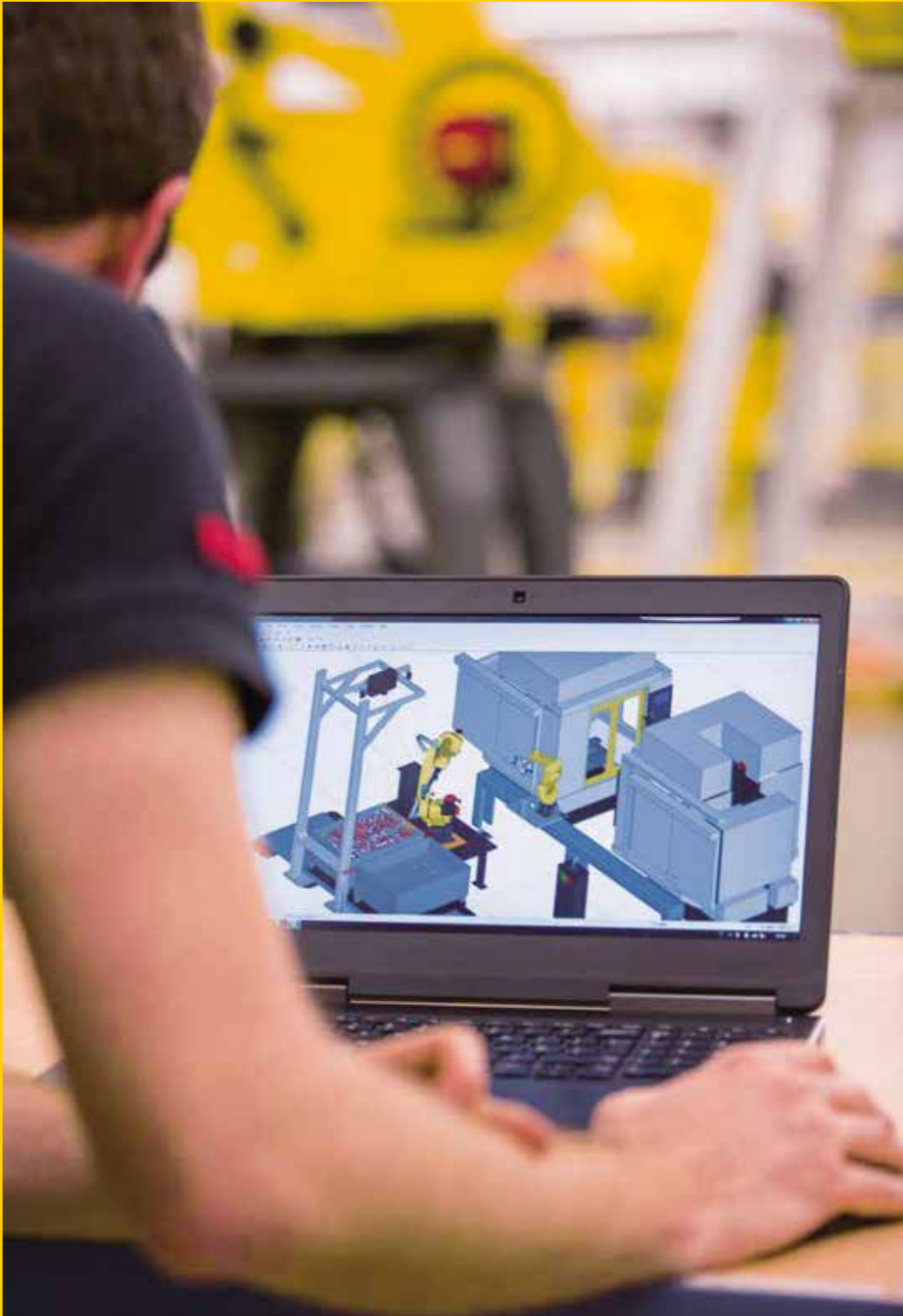


Robot System Design Tool

# FANUC

## ROBOGUIDE



# ROBOT SYSTEM DESIGN TOOL ROBOGUIDE

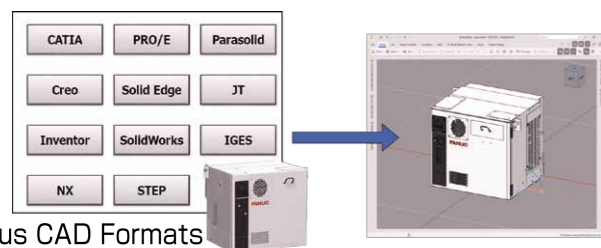
ROBOGUIDE is PC software that enables advanced visualization/simulation of robot systems, greatly reducing system startup time.

## ROBOGUIDE Features

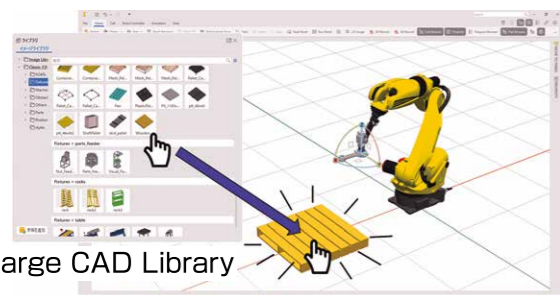


- Cost-effective PC software allows for easy implementation and visualization/simulation of robot system construction.
- Easily construct layouts for peripheral devices and machinery using the created CAD files.
- Create robot programs visually using a graphical interface.
- Enable offline simulation as needed at actual work sites, significantly reducing system startup time.

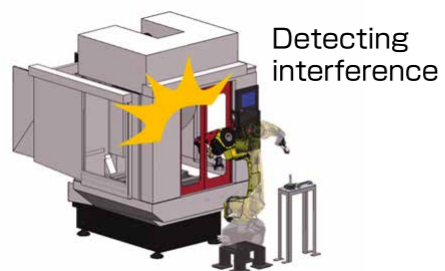
## Layout Functions



Various CAD Formats



Large CAD Library



Detecting interference

### Loading CAD files

- Supports various CAD formats
- Loaded user CAD models make it easier to create layouts.

### Large CAD library

- More than 500 CAD models are provided, tailored to various applications, such as tools and workpieces.

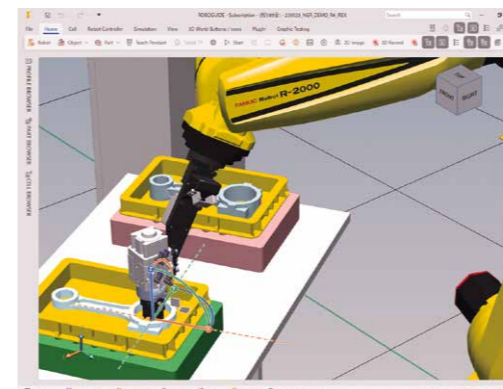
### Location Editing

- You can change the robot posture and the CAD model placement using a mouse or direct numerical input.

### Collision Checking

- Visual confirmation of interference between peripheral devices and robots.
- Reduces the risk of damage and allows for efficient placement of workcell items.

## Program Functions



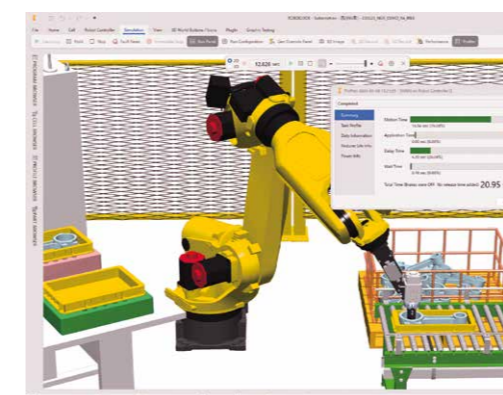
### Easy teaching from graphics

- Move the robot using a mouse and visually teach programs.
- Teaching is easy, even for those unfamiliar with robot operation.

### Virtual TP, Tablet TP

- Uses the same user interface as the actual teach pendant. Even those familiar with robot operation will find the virtual devices easy to use.

## Simulation Functions



### Program execution

- Simulates created programs.
- Displays the time required for each program line.

### High-precision cycle time

- Provides accurate cycle time analysis through high-precision simulation using virtual robots.

### Animation of Peripherals

- Compatible with animations, including axis movement and door opening/closing.

## Virtual Commissioning



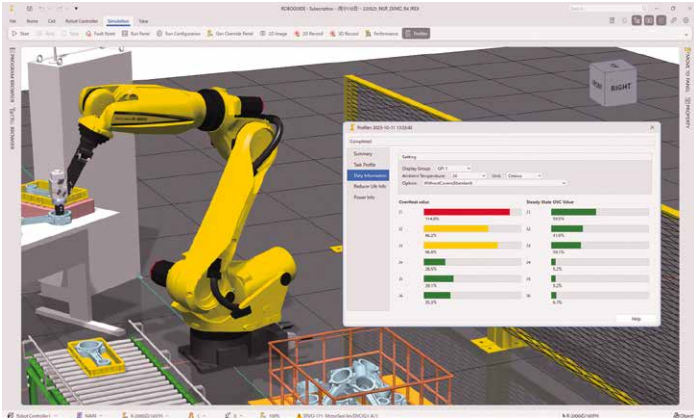
### Pre-check before applying study results in the field

- By utilizing VR, you can confirm your workcell more realistically.

### Powerful sales tool

- Check the robot's estimation system using VR goggles.

# Option software



## Power Consumption Estimation PC Option

- Estimate robot power consumption and utilize it to save energy.

## Life Estimation PC Option

- Estimate the lifespan of the robot's gearbox to help reduce maintenance costs.

## Duty Estimation PC Option

- Analyze the robot load in advance to help programming with less load.

# Specifications

	Specifications	V10	Classic V10
Standard Function	Layout	Standard	Standard
	Library	Standard	Standard
	CAD import	Standard	Standard
	CAD converter	Standard	Option
	Programming	Standard	Standard
	Simulation	Standard	Standard
	Virtual Teach Pendant	Standard	Standard
	Tablet TP	Standard	Standard
	Export movies	Standard	Standard
	Backup data loading of the actual robot	Standard	Standard
	Profiler, Simulation Analysis	Standard	Standard
	Virtual Commissioning, VR Function	Standard	-
	Duty Estimation PC option	Estimate OVC, OH alarm using motor torque	Option
Life Estimation PC option	Estimate reducer life using motor torque	Option	Option
Power Consumption Estimation PC option	Estimate consumption power using motor torque	Option	Option
Bending Program Generation	Automatic path generation along sheet metal bending process	-	Option
Screw Tightening Simulation	Simulate screw-tightening situations	-	Option
CAM connection package	Develop function to connect from CAM to ROBOGUIDE	-	Option
WeldPRO	Navigation menu	-	Option
	Program generation for arc welding		
	Simulation for arc welding		
ChamferingPRO	Navigation menu	-	Option
	Program generation for chamfering		
SpotPRO	Program generation for spot welding	-	Option
	I/O interlock automatic setting		
PalletPRO	Program generation for palletizing	-	Option
	Simulation for palletizing		
PaintPRO	Navigation menu	-	Option
	Program generation for painting		
iRPickPRO	Simulation for picking	-	Option

# Requirements

The PC with the following condition is required.

Item	Specifications
OS	Windows® 11 22H2 or later, Windows® 10 (64bit) 22H2 or later,
System Memory	More than 8GB, 16GB or more is recommended.
Video Card	A professional graphics card/chip that supports advanced processing, such as NVIDIA, is recommended.
Resolution	1920x1080
Color Depth	32-bit color
HDD	More than 8GB
Other Requirements	<ul style="list-style-type: none"> <li>▶ Ethernet, Mouse, If installing from media, Blu-Ray drive is required too.</li> <li>▶ Sign in as the local Administrator user to install the product and register the full version of the software.</li> <li>▶ Chrome V83 or later</li> <li>▶ .NET Framework 3.5, 4, 4.8</li> <li>▶ Normal font size (96 DPI).</li> <li>▶ Port 3002 should not be used for any other purpose.</li> <li>▶ ROBOGUIDE can use IP address 127.0.0.1.</li> <li>▶ When RIPE or a loopback address is used, ROBOGUIDE can use IP address 127.0.0.n (n&gt;=1).</li> <li>▶ License Server can use IP address 127.0.0.2.</li> <li>▶ Computer name must be A-Z, a-z, 0-9 or '-'.                             </li> </ul>

\*1 Windows® is registered trademark of Microsoft Corporation.  
\*2 NVIDIA® is registered trademark of NVIDIA Corporation.

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