

# Robot programming support software

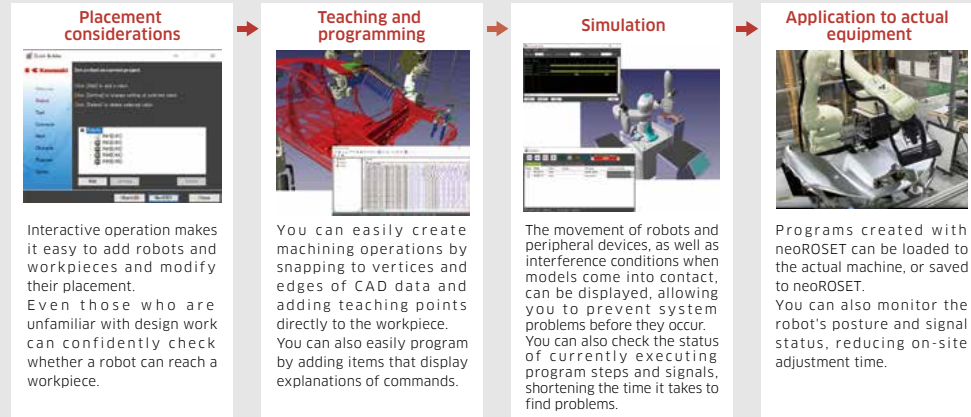
neoROSET is a programming tool that enables robot programming and accurate simulation on a PC.  
By performing offline verification in advance, risks that may be concerned about introducing a robot system can be reduced.

**neoROSET**



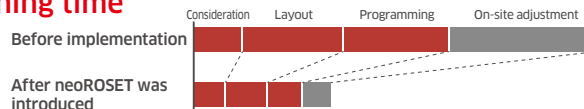
## Flow of using the system

neoROSET provides maximum effectiveness with simple operation.



## Dramatically reduces teaching time

By using neoROSET, the time required for conventional offline teaching and adjustment can be reduced to a fraction or even up to one-tenth.



## "neoROSET" has the solution!

Increased on-site man-hours due to interference checks and cycle time mismatches

After introduction

You can check the layout through prior simulation!

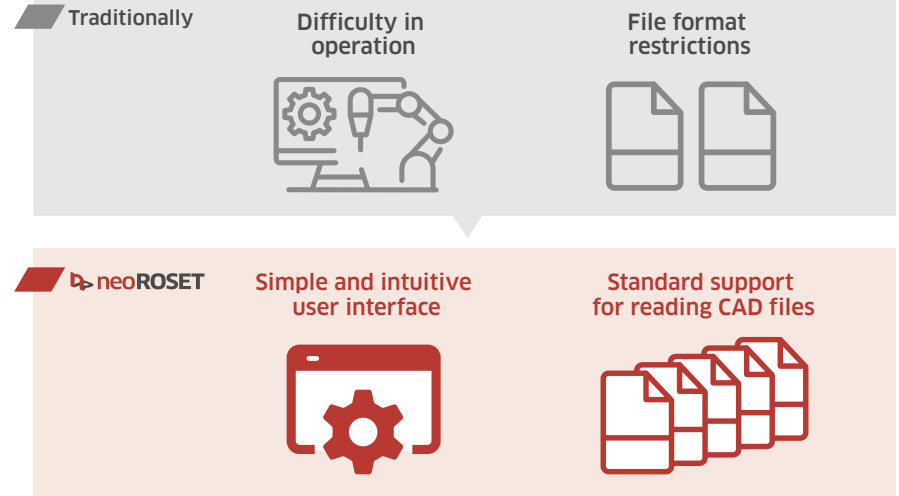
Teaching/checking on the actual machine results in longer downtime

After introduction

You can check the results without stopping the actual machine by performing a preliminary simulation!

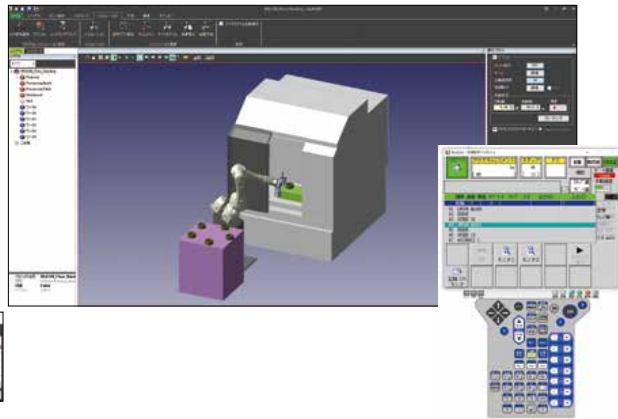
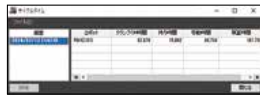
## neoROSET Why choose neoROSET?

By using neoROSET, the difficulty of operation is reduced, standard support for reading CAD files is enhanced, and costs can be significantly reduced by shortening the required time and improving efficiency.



### 01. Accurate movement trajectory and tact time

The virtual robot controller technology that Kawasaki has developed over many years enables highly accurate reproduction of movement trajectories and tact times.



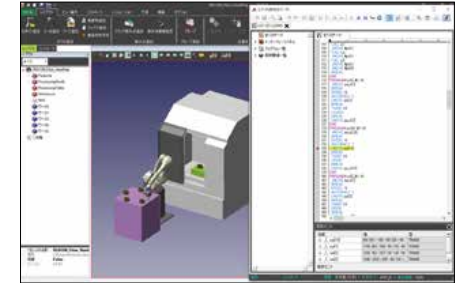
### 05. CAD File Import

It supports importing many types of CAD files as standard, which is useful for layout construction and CAD teaching.

Format	
STEP	CATIA
IGES	SolidWorks
ACIS	Inventor
DXF	Pro/E
DWG	Solid Edge
JT	Rhinoceros
Parasolid	NX

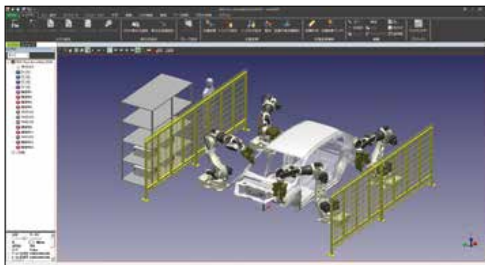
### 06. AS Language Editor

This is an editor that allows you to easily create Kawasaki robot language programs in conjunction with a graphic screen.

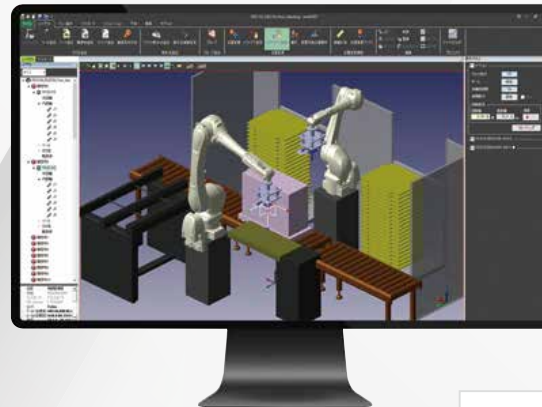


### 02. Supports multiple robots and external axes

You can simulate multiple robots with different controllers at the same time. You can also freely reproduce external axes controlled by the robot controller.

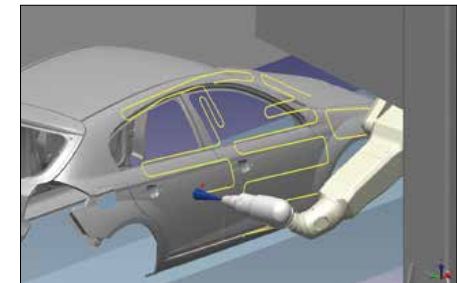


### Create robot programs visually using a simple, intuitive user interface graphic screen.



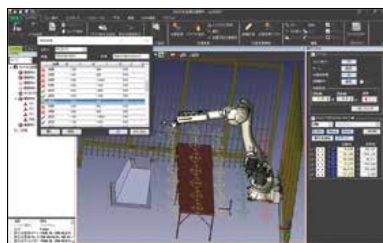
### 07. Display of processing results

The trajectory of the machining results when welding or painting commands are executed can be displayed separately from the air cutting operation.



### 03. Interference check, layout verification

Before installing it on the actual device, you can check in advance whether there are any interference or operating range problems on your PC.



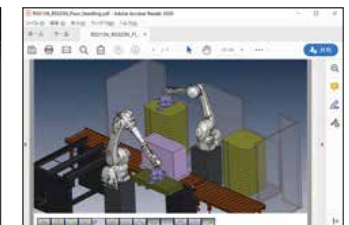
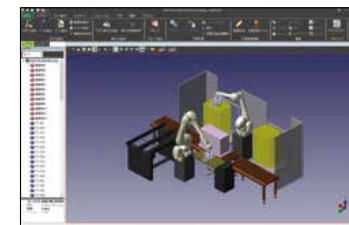
### 04. Easy to use

You can intuitively change the layout position and robot posture by using the mouse.



### 08. 3D PDF Creation

The actions during the simulation can be output to a file and played back in 3D using a standard PDF reader, making it useful for presentations and information sharing.



## CAD formats are supported as standard!

neoROSET can import data from many commonly used 3D CAD programs and use it to create programs.

This allows you to build an environment where CAD data and robots can be used, seamlessly connecting the design department and the manufacturing site. In addition, it is backward compatible with the conventional software K-ROSET, and can load K-ROSET projects. \*Supported CAD formats are updated from time to time.

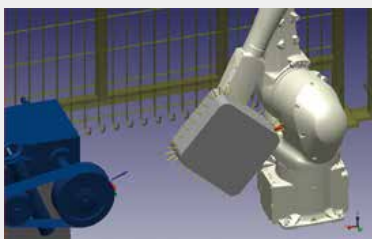
CAD Format	
Format	Extension
CATIA V5	CATProduct
	CATPart
CATIA V4	model
	sldasm
SollidWorks	sldprt
	asm
Pro/E	prt
	3dm
Rhinoceros	ipt
Autodesk Inventor	iam
	par
SolidEdge	asm
	psm
NX	prt

Standard Format	
Format	Extension
ACIS	sat
	sab
IGES	iges/igs
STEP	step/stp
DXF	dxf
DWG	dwg
JT	jt
Parasolid	x_t
	X_b
STL	stl

## Visualization of on-site systems

By loading the save data from the actual robot controller, you can recreate the on-site system on neoROSET.

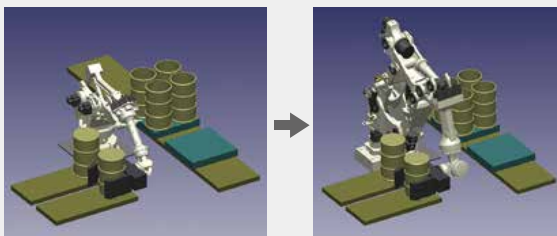
You can check the robot coordinates and teaching point positions that cannot be seen in real life.



## Extensive conversion functions

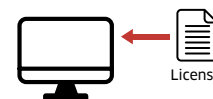
Teaching points can be converted using the shift and mirror copy functions, which helps with program correction work during on-site adjustments.

In addition, by replacing robot models, model selection can be easily performed when updating aging robots.



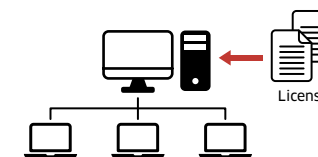
## Licensing method

### Node-Locked License



A license will be issued to the PC that uses neoROSET.

### Floating License



A license will be issued to the license management PC. Any PC connected on the network can use neoROSET.

## Operating environment

Item	Contents
Operating System (OS)	Windows(R)10 Pro x64/Windows(R)10 Enterprise x64 Windows(R)11 Pro x64/Windows(R)11 Enterprise x64 Japanese version / English version / Chinese version / German version
CPU	Intel Core i5 or higher recommended
Memory	Minimum 8GB RAM, 16GB or more recommended
Free space	30GB or more, Solid State Drive (SSD) recommended
Resolution	1920 x 1080 or higher recommended
Video card	Intel UHD Graphics or higher NVIDIA Quadro series recommended
Other requirements	Mouse (with wheel recommended) or equivalent pointing device PDF Reader such as Adobe® Acrobat® Reader