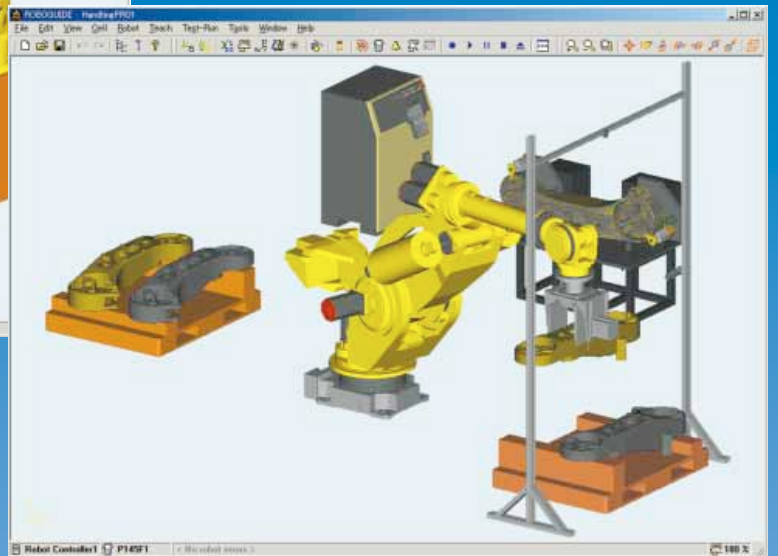
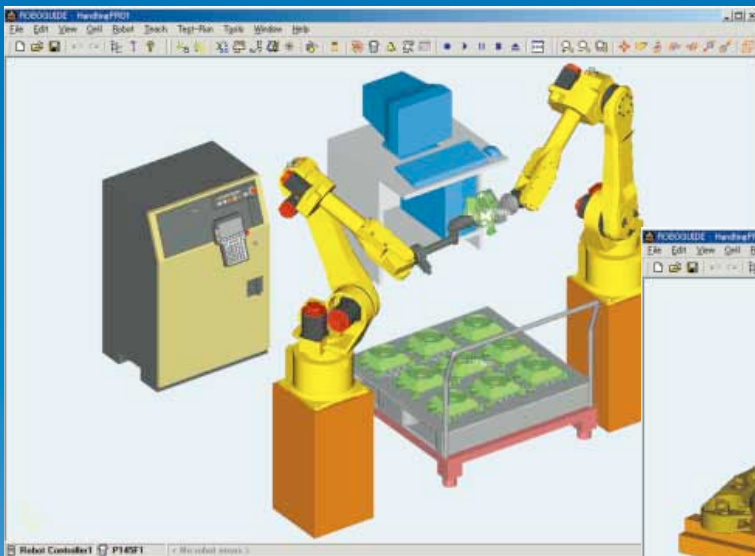
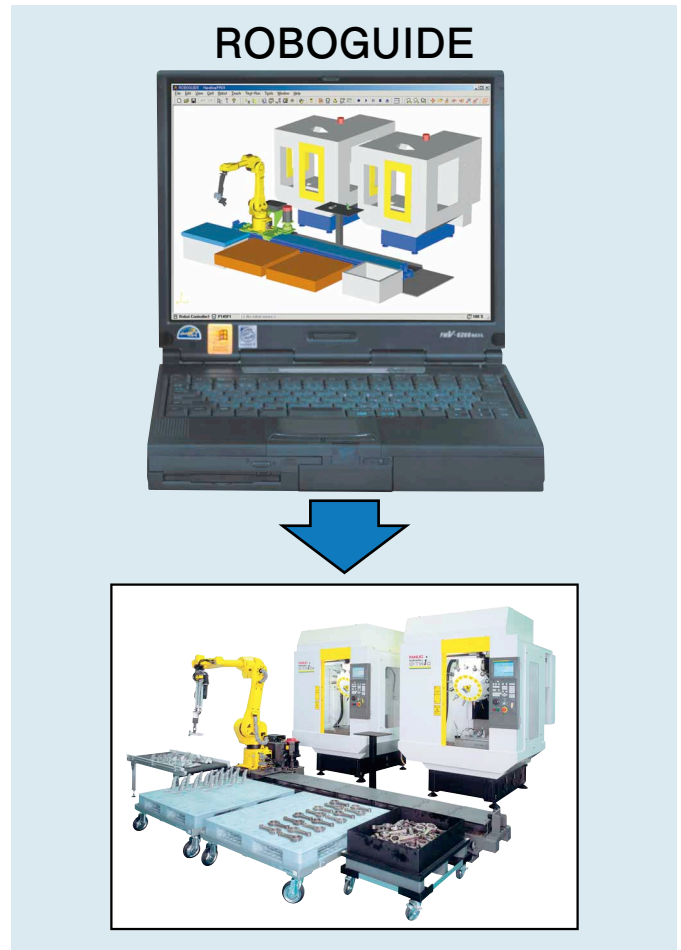


# FANUC ROBOGUIDE



# Features of ROBOGUIDE

- Animation tool that easily enables a quick and low cost verification of robot application systems
- Easy creation of layout for devices and machines. Special skills are not required
- Program creation using animation
- Extreme reduction of start-up time and maintenance time with offline checking. Achievable even on the shop floor
- Accurate simulation of robot movement and application commands by virtual robot
- Robot application specific tools with highly efficient operation
  - WeldPRO, ChamferingPRO
  - CoordWeldPRO
  - SpotPRO
  - PalletPROTP, MachineToolPRO, MotionPRO
- ASCII translator package which converts various robot files between binary and ASCII



## Easy and highly accurate interface from design to confirmation of robot system

### Current system up tasks

Concept design



Process verification



Teaching, programming



Robot motion confirmation

### System up working by ROBOGUIDE

- Modeling by library function, CAD IF function
- Placement of robot and workpiece by layout function
- Robot configuration check by graphic jog



- Programming by TP emulation
- Automatic robot program generation from shape data



- Simulation of FANUC robot commands
- Highly accurate simulation

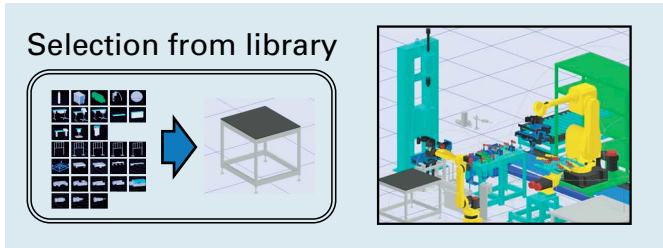


- Download program to robot

# Standard software

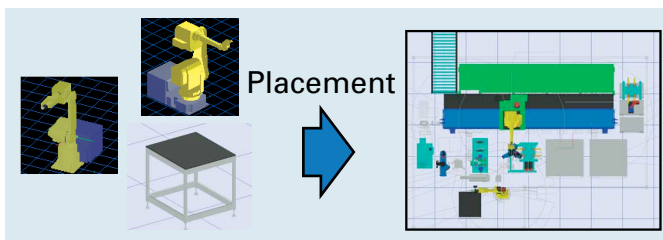
## Modeling function

- Reduce time for modeling devices
  - Select objects from the library and modify using dimension settings
  - Import CAD data for creating the parts
  - Create the parts by modeling function



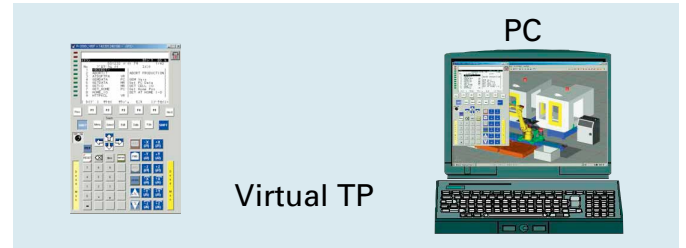
## Layout function

- Change layout by mouse operation on graphic screen
- Change layout by numerical input



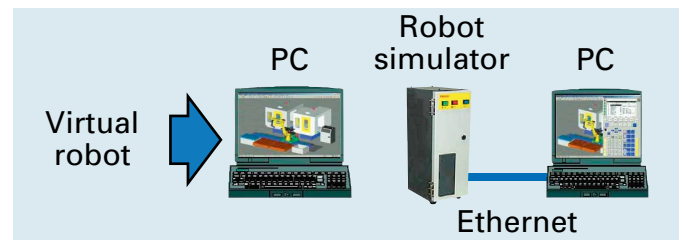
## Program function

- Same user interface as the Robot Teach Pendant
- Create the actual program
  - Using visual jog enables to move robot and to teach points



## Simulation function

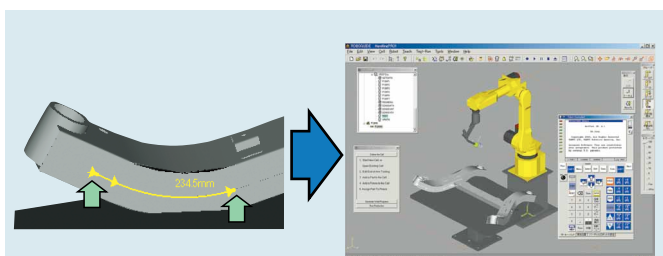
- Simulation by using virtual robot
- Simulation not only of robot movement but also application commands
- Highly accurate simulation by using robot simulator



# Application tool/option

## WeldPRO

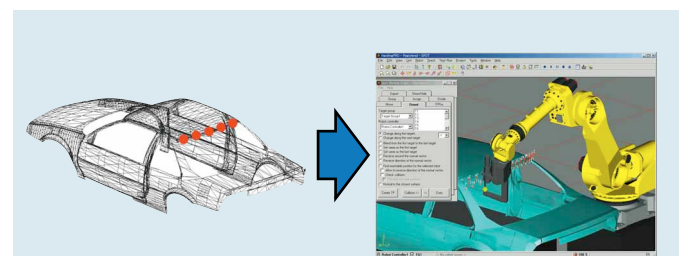
- Automatically create the TP program from shape data of workpiece
- Easily select arc welding line by clicking an edge of a workpiece. This can be done even if the shape of the workpiece is complex
- Tool orientation is kept to the designated angle relative to the welding path



Specify the welding line  
(Search edges from CAD data)  
Generate arc welding program automatically

## SpotPRO

- Import the points from the point entities in the CAD data or CSV file
- Adjust the points automatically so that the points are normal to the CAD surface and collision between robot and devices does not occur
- Generate the spot welding program automatically from the points

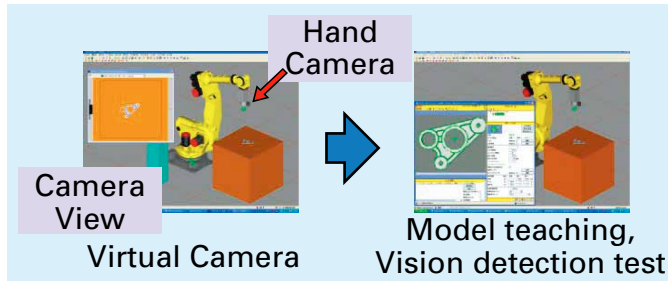


Create the spot welding point  
(Import from CAD data or CSV file)  
Generate spot welding program automatically

## Standard PC option/option

### Vision PC option

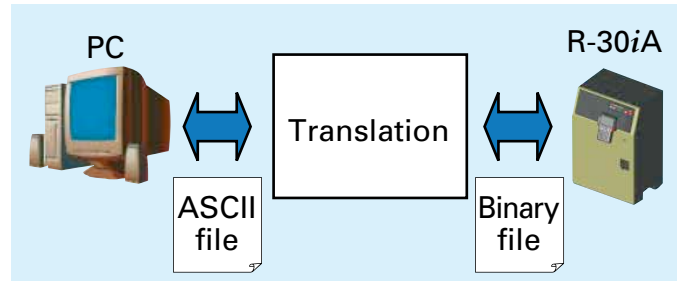
- Support iRVision teaching and simulation on ROBOGUIDE
  - Check camera position by virtual camera
  - Vision model teaching and detection test by 3D CAD data of a work



## ASCII translator package

### ASCII translator package

- Robot programs Text ⇔ Binary translation.
- System variable Binary ⇒ Text translation, KAREL Text ⇒ Binary translation.



## Specifications

Software		Specifications
Standard software		Modeling
		Layout
		Programming
		Simulation
		Remote Monitor
		Profiler
Standard PC option	Auto place PC option	Calculate robot placement position so as to minimize cycle time in the specified range
	Duty estimation PC option	Estimate OVC, OH alarm by motor torque
	Life estimation PC option	Estimate reducer life by motor torque
	Consumption power estimation PC option	Estimate consumption power of robot
	Vision PC option	iRVision teaching/simulation by using virtual camera
	Vision shift PC option	Root posture study and program generation of measurement for vision shift
	Line tracking PC option	Robot tracking movement can be simulated
	System monitoring tool PC option	Monitor function for system trouble analysis CCD Camera is required in addition to this.
	iPendant I/F PC option	ROBOGUIDE layout is displayed on iPendant screen.
Application option	WeldPRO	Navigation menu
		Program generation for arc welding
		Simulation for arc welding
	ChamferingPRO	Navigation menu
		Program generation for chamfering
	CoordWeldPRO	Program generation for multi-robots coordinated arc welding
	SpotPRO	Program generation for spot welding
I/O interlock automatic setting		
PalletPROTP	Program generation for palletizing Simulation for palletizing	
MachineToolPRO	Simple Teaching for load/unload to/from machine tool	
MotionPRO	Cycle time reduction and trajectory optimization	
Ascii translator package		Ascii binary translation for file(TP program, variable, register, KAREL)
Hardware option		Specifications
Robot simulator		Highly accurate simulation

## Condition

The PC with the following condition is required.

Item	Contents
OS	Windows®XP (32bit, 64bit), Windows®Vista (32bit, 64bit), DirectX 8.0, IE6 or later
CPU	Pentium®IV more than 1.5GHz
Memory	More than 2 GB or more than 500MB
HDD	More than 2GB
Others	Communication with robot controller via Ethernet Display with more than 1024x768, 65000 colors Mouse and DVD drive available under Windows

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

\* 2 Pentium® is registered trademark of Intel Corporation.

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