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
  - SpotPRO
  - PalletPROTP
  - MotionPRO
  - iRPickPRO
- 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 posture 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

iRPickPRO
• Easy and quick simulation by just selecting the number of conveyors or trays
• Optimum layout design by freely changing the structure of robots and conveyors, infeed configurations of parts, and other configurations
• Programming-less simulation using the prepared standard program

Change the structure and speed of conveyors, and how to place parts freely
Optimum layout design
**Standard PC 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**

**Specifications**

<table>
<thead>
<tr>
<th>Software</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard PC option</td>
<td>Auto place PC option: Calculate robot position to minimize cycle time in the specified range.</td>
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<td>Duty estimation PC option: Estimate OVL, OHL by motor torque.</td>
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<td></td>
<td>Life estimation PC option: Estimate reduction life by motor torque.</td>
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<tr>
<td></td>
<td>Consumption-power estimation PC option: Estimate consumption power by motor torque.</td>
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<td></td>
<td>Vision PC option: IRVision teaching/simulation by using virtual camera.</td>
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<td></td>
<td>Line tracking PC option: Simulate robot tracking movement.</td>
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<td></td>
<td>System monitoring tool PC option: Monitor function for system trouble analysis.</td>
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<td>Coord PC option: Program generation for multirobots coordinated motion.</td>
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<td></td>
<td>Spray ID option: Simulate the lubricant spray to die-cast mold.</td>
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<td></td>
<td>CAM connection PC option: Provide the simulation functions on ROBOGUIDE to CAM software.</td>
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<td></td>
<td>Robot integration setup PC option: Create a robot setup file on PC and downloads the file to robot controller.</td>
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<tr>
<td></td>
<td>Servo gun integration setup PC option: Create a servo gun setup file on PC and downloads the file to robot controller.</td>
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</table>

**Application option**
- **WeldPRO** Navigation menu: Program generation for arc welding. |
- **ChamferingPRO** Navigation menu: Program generation for chamfering. |
- **SpotPRO** Program generation for spot welding. |
- **PalletPRO** T/F interlock automatic setting: Program generation for palletizing. |
- **IRPickPRO** Simulation for palletizing: Simulation for picking. |
- **MotionPRO** Cycle time reduction, trajectory/Reduce Life/Power Optimization: |

**DiagnosticsPRO** Robot diagnosis and preventive diagnosis: Analyze motion and estimate duty, reduce life and power consumption. |

**ASCII translator package**

**Condition**

The PC with the following condition is required.

<table>
<thead>
<tr>
<th>Item</th>
<th>Content</th>
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<tbody>
<tr>
<td>OS</td>
<td>Windows Vista/32bit, 64bit, Windows 7/32bit, 64bit, Windows®®/8/8.1/32bit, 64bit, DirectX8.0, IE7 or later (IE8 or later recommended)*1</td>
</tr>
<tr>
<td>CPU</td>
<td>More than Core™2 Q Quad*2</td>
</tr>
<tr>
<td>Memory</td>
<td>More than 512MB (or more recommended)</td>
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<td>HDD</td>
<td>More than 20GB</td>
</tr>
<tr>
<td>Others</td>
<td>Communication with robot controller via Ethernet display with more than 1024x768, 65000 colors Mouse and DVD drive available under Windows</td>
</tr>
</tbody>
</table>

*1 Windows® is registered trademark of Microsoft Corporation. *2 Core™ 2 Quad is registered trademark of Intel Corporation.