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
  - DiagnosticsPRO
- 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

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

**Layout function**
- Change layout by mouse operation on graphic screen
- Change layout by numerical input

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

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

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### Specifications

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<td>Vision PC option</td>
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<td>Coordinate PC option</td>
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- **WeldPRO**
  - Navigation menu
  - Program generation for arc welding
  - Simulation for arc welding

- **ChamferingPRO**
  - Navigation menu
  - Program generation for chamfering

- **SpotPRO**
  - Program generation for spot welding
  - I/O interlock automatic setting

- **PalletPRO**
  - Program generation for palletizing
  - Simulation for palletizing

- **MotionPRO**
  - Cycle time reduction, trajectory optimization, Reduce Life Optimization and Pole Optimization

- **DiagnosticsPRO**
  - Robot diagnosis and preventive diagnosis

- **Option**
  - Motion Analysis PC option
    - Analyze motion and estimate duty, reduce the power consumption

- **Ascii translation package**
  - Ascii binary translation for IEP/Program, variable, register, KAREL

- **Hardware option**
  - Robot simulator
    - Highly accurate simulation

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### Condition

The PC with the following condition is required.

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<td>OS</td>
<td>Windows® Vista/32bit, 64bit, Windows®7/32bit, 64bit, Windows®8, Windows®8.1/32bit, 64bit, DirectX 8.0, IE7 or later (IE8 or later recommended)</td>
</tr>
<tr>
<td>CPU</td>
<td>More than Core™ 2 Quad</td>
</tr>
<tr>
<td>Memory</td>
<td>512MB or more (or Core™ 2 Quad recommended)</td>
</tr>
<tr>
<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>
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*1 Windows® is registered trademark of Microsoft Corporation.
*2 Core™ is registered trademark of Intel Corporation.

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