Features of ROBOGUIDE

- PC 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 graphic screen
- 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
  - PalletPRO
  - PaintPRO
  - 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 virtual teach pendant
- 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 visual jog enables to move robot and to teach points

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

**Simulation function**
- Highly accurate simulation by using virtual robot
- Simulate not only of robot movement but also application commands
- Virtual camera for iRVision simulation.

Option software

**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
Option software

**SpotPRO**
- Automatically create the TP program from spot point data.
- Generate a clear path to avoid collisions.
- Setup the interlock signals automatically.

**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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<th>Programming</th>
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**Condition**

The PC with the following condition is required.

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<th>Item</th>
<th>Contents</th>
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<tbody>
<tr>
<td>DB</td>
<td>Windows®7/32bit, 64bit, Windows®8.1/32bit, 64bit, Windows®10/32bit, 64bit. (64bit recommended)*1.</td>
</tr>
<tr>
<td>CPU</td>
<td>More than Athlon® 64 3200*, Pentium® IV 2.4 GHz, Core® 2 Quad *2 *3</td>
</tr>
<tr>
<td>Memory</td>
<td>More than 1 GB (4 GB or more recommended)</td>
</tr>
<tr>
<td>HDD</td>
<td>More than 4 GB</td>
</tr>
<tr>
<td>Others</td>
<td>Communication with robot controller via Ethernet Display with more than 1280x1024, 24bit color Mouse and DVD drive available under Windows</td>
</tr>
</tbody>
</table>

*1 Windows® is registered trademark of Microsoft Corporation.
*2 Athlon® is registered trademark of Advanced Micro Devices, Inc.
*3 Pentium®, Core® 2 Quad is registered trademark of Intel Corporation.

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ROBOGUIDE(E)-10, 2017. 4 Printed in Japan