Easy start-up of vision sensors
Adding a variety of vision applications

Achieve robot automation "easily for anyone" using a variety of vision applications!

Complete only with engineering support software RT ToolBox3!
(No other software required)

Intuitive operation according to the guidance automatically generates vision and robot settings and operation programs!
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Features

Realization of a wide range of vision alignment solutions “for anyone, easily and in a short time”!

Easy startup of various vision applications with selectable guidance screen

1. Application Selection

2. Easy interface configuration

3. Operation check (fine adjustment)

4. Program Complete

Overview of Features

- Supports a variety of vision alignments
  - Covers practical solutions such as simple pick and place work and grip misalignment correction
  - Supports multi-product work (up to 5 types can be registered)

- Easy startup by intuitive operation
  - Vision robot settings and operation programs are automatically generated only by setting according to the guidance.

- Scalable program
  - Programs can be customized based on the created program.
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### Features

**Supports a variety of vision alignments**

- Covers practical solutions such as simple pick and place work and grip misalignment correction
- Supports multi-product work (up to 5 types can be registered)

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<th>Basic Application</th>
<th>Recognition with a fixed camera</th>
<th>Recognition with a hand camera</th>
<th>Grip deviation correction with fixed camera (upward camera)</th>
<th>Grip deviation correction with fixed camera (Landscape Camera)</th>
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<td>Advanced Application</td>
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<td>Grip deviation correction by recognizing work in the palette</td>
<td>Position and grip deviation correction 1 (for small work)</td>
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<td>Position and grip deviation correction 3 (for large work)</td>
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You can choose from nine applications, and when you do, you can check the operation image with animation.
Easy startup by intuitive operation

Step 1: Selecting an application and camera
Step 2: Performing calibration and registering a workpiece
Step 3: Setting operation and grasp position
Step 4: Checking operation and saving the program

• Vision robot settings and operation programs are automatically generated only by setting according to the guidance.

When using the MELSENSOR series and Cognex vision sensors, the series of task is completed within RT ToolBox 3. No other software is required.

Supported models
Mitsubishi Electric: MELSENSOR VS 70/80 Series
Cognex: In-Sight 7000/8000
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**Features**

**scalable program**

*Programs can be customized based on the created program.*

For the vision/robot settings and operation programs that are automatically generated according to the guidance, you can add or change programs according to your system, such as interlocking with peripheral devices and adding operation path points to avoid interference.

<table>
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<th>Contents</th>
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<td>Control the imaging timing. (※) Example) Interlock with peripherals</td>
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<td>2</td>
<td>Add an operation path to the vision imaging position. Example) Avoidance of interference with peripheral devices</td>
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<td>3 pick-and-place processing</td>
<td>Control the timing during transport operation. Example) Interlock with peripheral device</td>
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<td>4</td>
<td>Correct the operation path. (※) Example) Avoidance of interference with peripheral devices</td>
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<td>5 error handling</td>
<td>Change the error handling. (※) Example) Notification and recovery of abnormal status</td>
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</table>

※ Examples of program additions and changes are provided in the manual.

Example) Added an operation path when moving from the position to take to the position to put.