

Automatic Parts Sorting by 3D Vision Sensor with Simulator and AI

◆ Features

◆ Diagram

MELFA-3D Vision 3.0

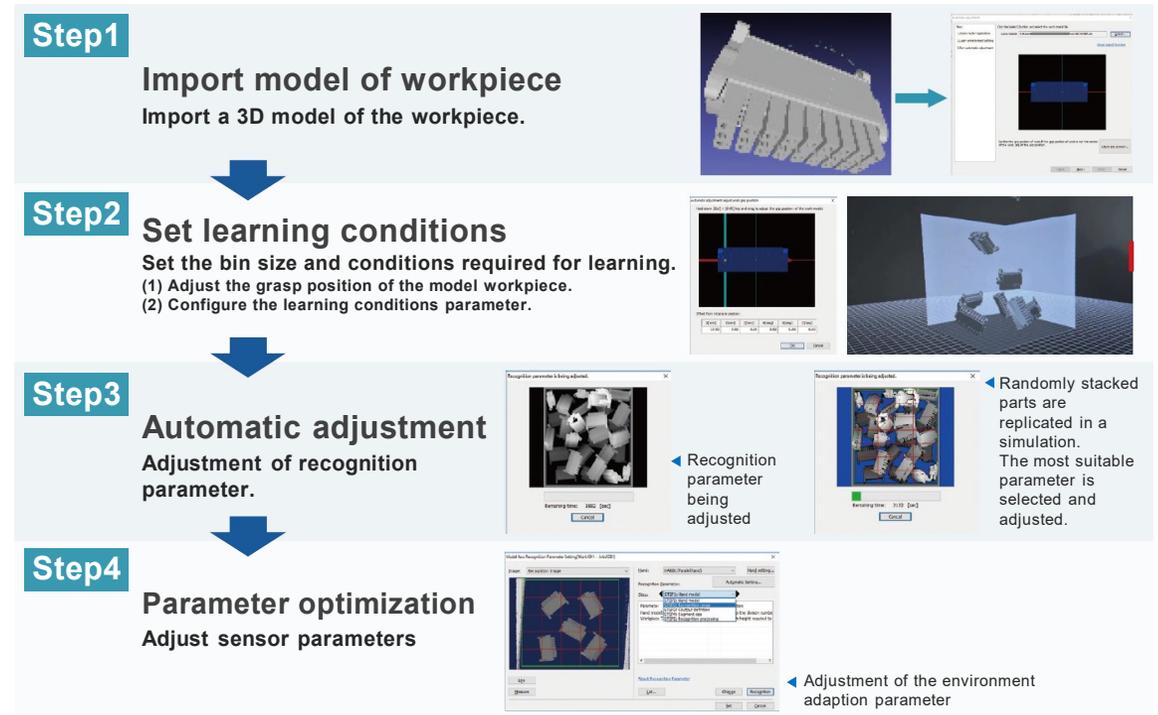
Reproduce the status of complex parts supply in a virtual space using a unique physical simulation S/W.

Adjustment without Machine

Allows adjustment without actual robot and 3D vision sensor.

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Sensor parameter adjustment which requires a high level of specialist knowledge is automated with our proprietary AI technology.



AI Adjusts Parameters Automatically for Optimum Force Sense Control in a Short Time

◆ Features

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The application of AI which adjusts parameters to give the optimum operation pattern realizes high-speed insertion.

High-speed Learning

The system considers the operation as a whole, and learns the optimum insertion speed in a minimum of five minutes.

Fine Force Adjustment

High-precision estimation of acting force enables improved force control performance.

