

Flexible Parts Feeder

asycube
by asyiril

Asycube plug-in software

A high-speed and flexible workpiece supply system by combining Asyiril's parts feeder "Asycube", SCARA robot, and vision system.

After the parts feeder has distributed parts in bulk optimally, the vision system RCXiVY2+ recognizes a part and the SCARA robot YK400XE performs the pick & place operation.



Easy control with plug-in software

- No complicated program descriptions are needed.
- Asycube can be controlled easily from YAHAMA controller "RCX340" or "RCX320" by simply loading the program library.

Easy connection with LAN cable

- Connection is made easily by setting some parameters and simply connecting an Ethernet cable.
- Multiple Asycube feeders can also be connected via the switching hub.

High speed process with vision system RCXiVY2+

- Images are processed at a high speed by the controller integrated vision system RCXiVY2+ to recognize the type and position of a part on the platform.

Direct assembly with gripping deviation correction

- The gripping deviation is corrected during pick & place operation by adding an upward camera to ensure highly precise mounting.

Improvement of productivity with non-stop vision correction function

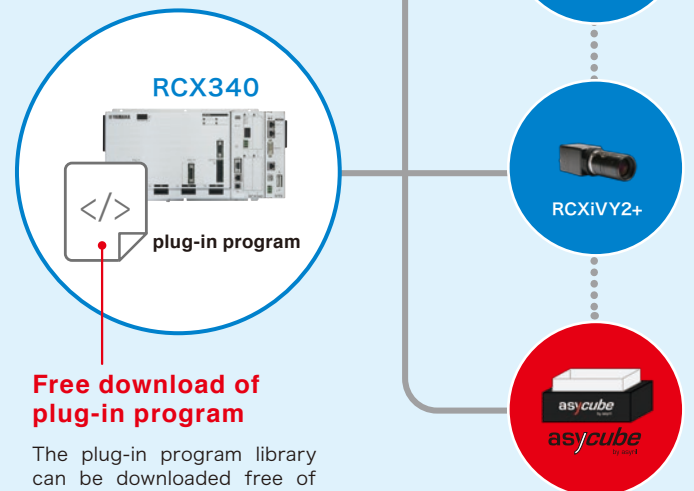
- With the non-stop vision correction function of the controller, images are captured without stopping the robot above camera to correct parts positions.
- The productivity can be improved up to 20% when compared to that when the camera is stopped above parts.

Supporting all SCARA robots and Cartesian robots

- All YAMAHA SCARA robots and YAMAHA Cartesian robots are supported.*

* The models that cannot be connected to the "RCX320" or "RCX340" controller are excluded.

No PLC required. Vision and parts feeder controlled directly by RCX340.



Free download of plug-in program

The plug-in program library can be downloaded free of charge from the member site.

Inquiry



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