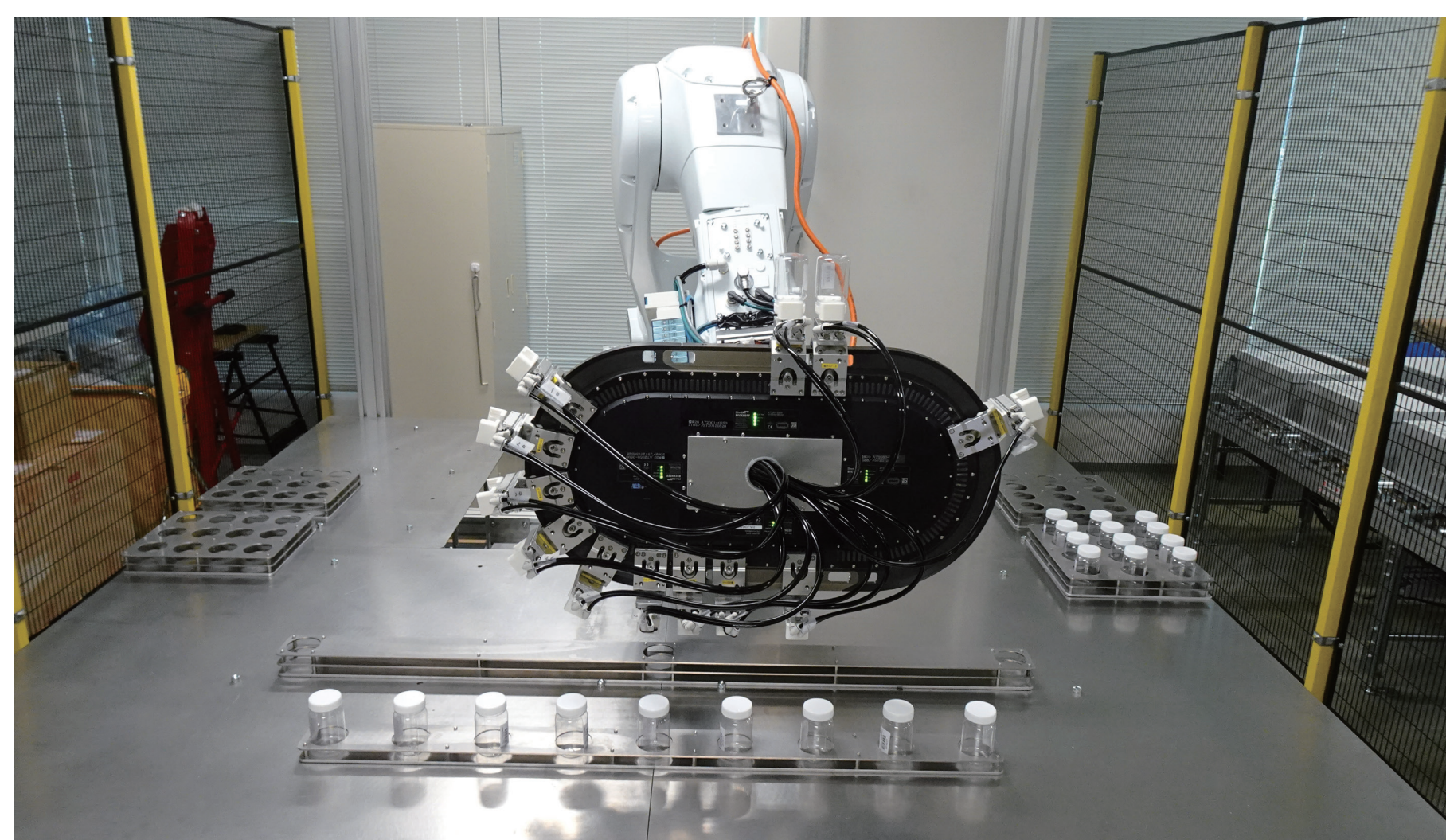


Realtime Synchronized Control of Robot and External Actuator with RC9

- Integrated control utilizing TwinCAT enables real-time synchronized control of a robot and actuator to achieve a non-stop robot. This also decreases the deceleration count for robot operations to reduce the cycle time.

Enables high-speed and high-precision bottle sorting and discharge without stopping the operation of the robot

Enables the movable element of the XTS to be dynamically and swiftly synchronized with the bottle interval to enable robot bottle sorting and discharge operations without deceleration and stopping.



Enables non-stop control for sorting and discharge

Enables centralized control of the robot and actuator with an integrated development environment

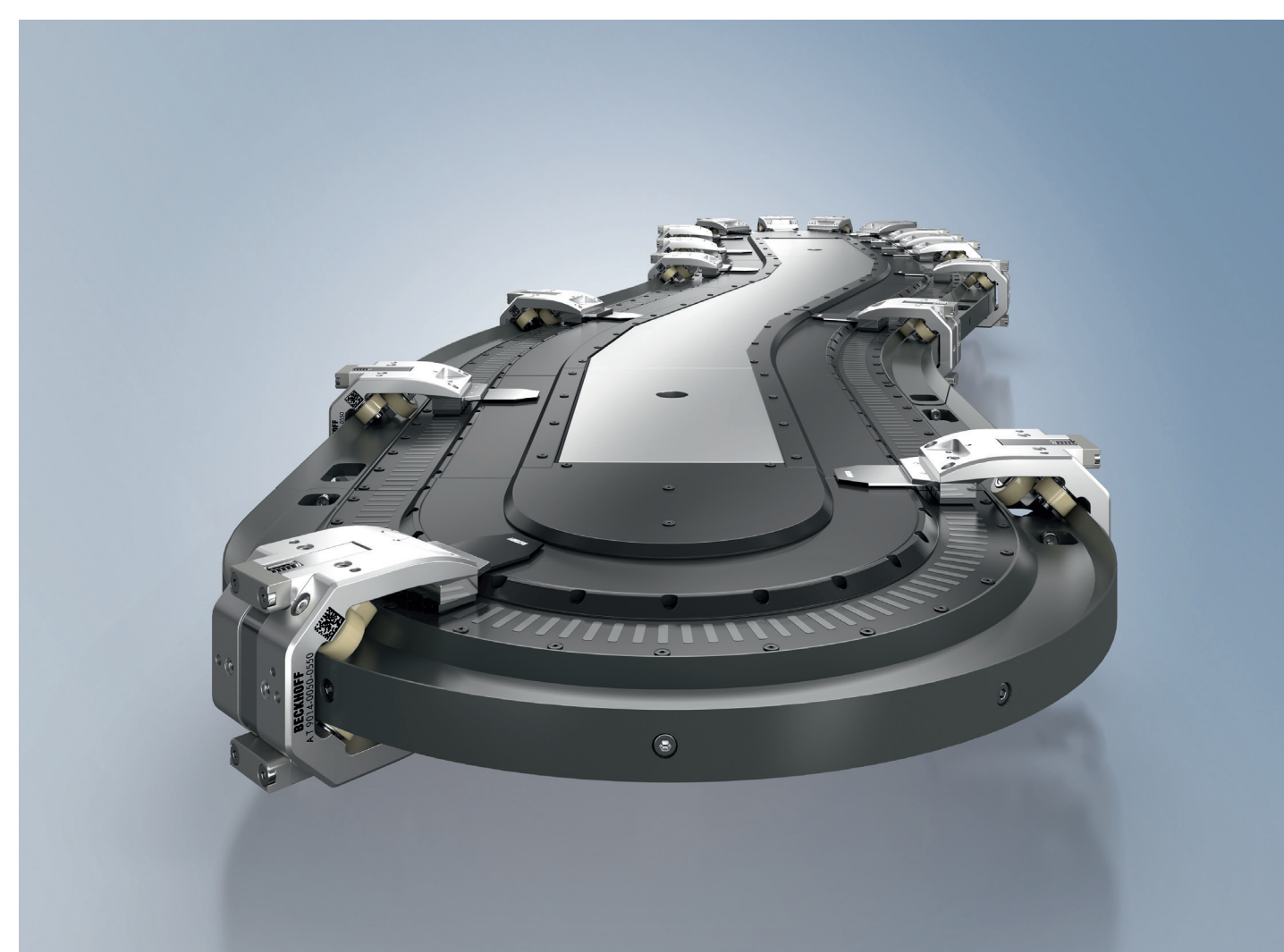
Achieves non-stop picking and placing with zero workpiece movement even when the robot moves, because synchronized control of the robot and XTS enables the XTS to move the same distance as the robot in the opposite direction.

Deceleration, which has the greatest impact on cycle time, can be reduced because the robot can use the time where it was previously stopped waiting for the chuck to instead move to the target position.

Because RC9 firmware can be incorporated in a Beckhoff IPC to create an RC9 robot controller, this enables the selection of a wide range of IPCs with the performance required for the target application, from high-end to low-end. (*Customization required)

XTS® (linear transport system)

A linear transport system that uses a simple configuration of motor module, movable element, guide rail, and IPC to enable high-speed operation of a movable element on a circular track



System Configuration

