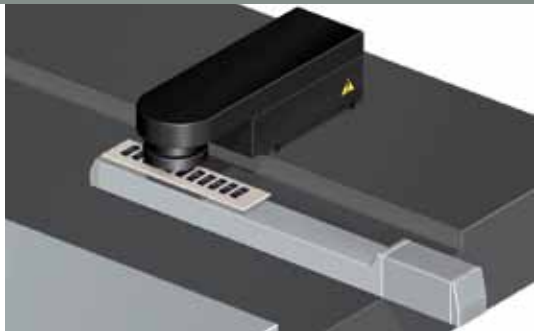


Application Examples

Marking Machine

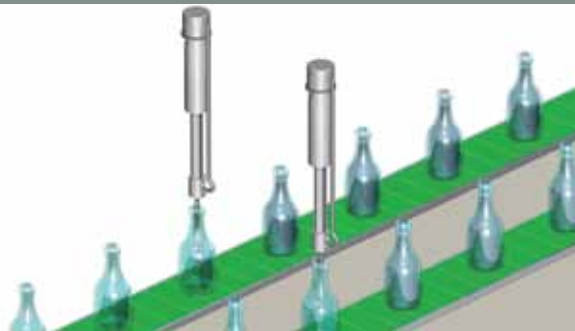


Use ROBO Cylinder in "pitch feed" mode to feed the workpieces in a laser marking process.

Actuator ERC2-SA6 (P55)

Controller Built-in (P515)

Liquid Injector

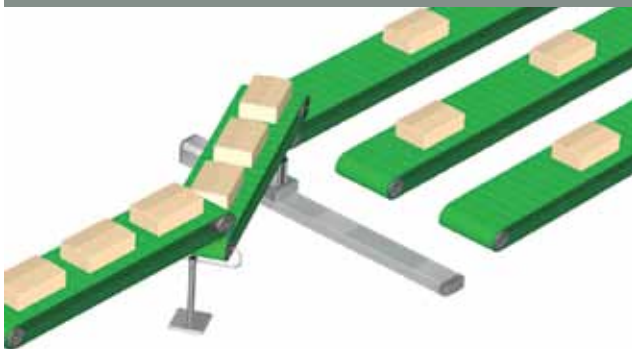


In this equipment, a nozzle is inserted into a shampoo container, and is raised as the shampoo is injected. Speed adjustments are controlled by pulse trains.

Actuator RCA-RA3C (P197)

Controller ACON-PL(P535)

Redirecting a Belt Conveyor

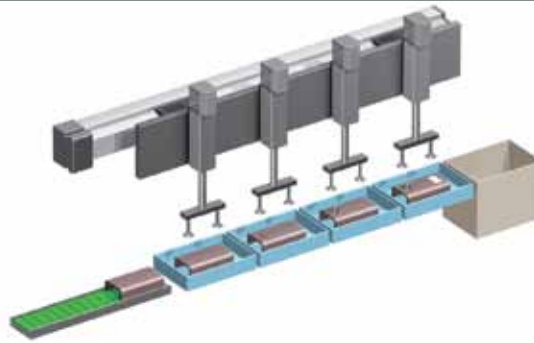


Workpieces can be sorted at high speeds.

Actuator RCS2-SS8C (P109)

Controller SCON-C (P547)

Parts Transfer Machine

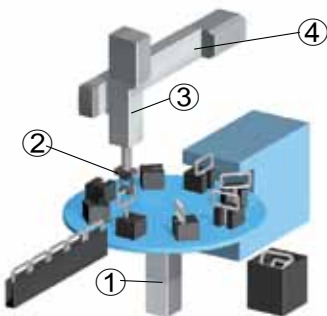


Use ROBO Cylinders for vertical positioning in transfer machines (for moving workpieces to a different process line) to make production lines more compact.

Actuator RCA-RA4C (P199)

Controller ACON-CY (P535)

Parts Inspection Machine



All horizontal/vertical movements, gripping, and rotating motions are driven by ROBO Cylinders. Moreover, controllers can be connected to a field network to reduce wiring.

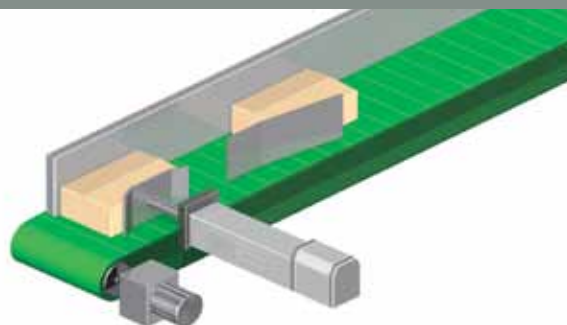
Actuator

- (1) RCS2-RT6 (P365)
- (2) RCP2-GRM (P339)
- (3) RCP2-RA6C (P145)
- (4) RCP2-SS8C (P35)

Controller

- PCON-SE (P525)
- SCON-C (P547)

Aligning Workpieces



Workpieces are aligned by using the push motion to push them against the wall.

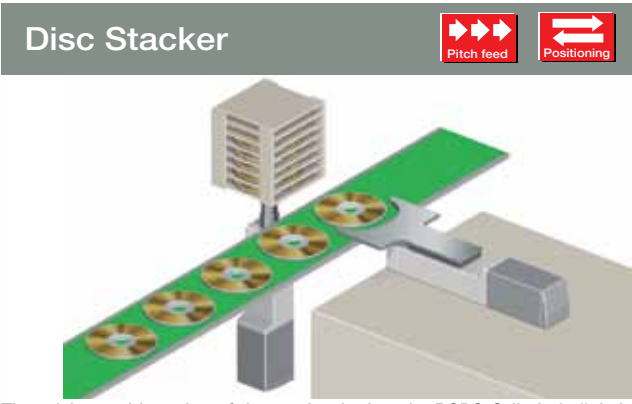
Actuator RCP2-RA4C (P143)

Controller PCON-CY (P525)



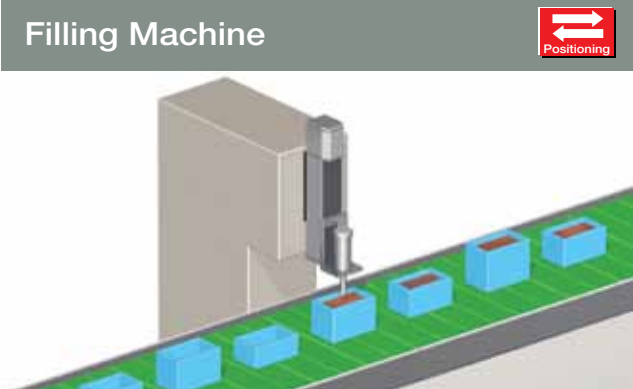
This low-cost pick-and-place machine uses ROBO Cylinders for the X and the Y axes.

Actuator	RCA-SA5C (P77) RCA-GD4N (P191)	Controller	ACON-C (P535) ASEP-C (P487)
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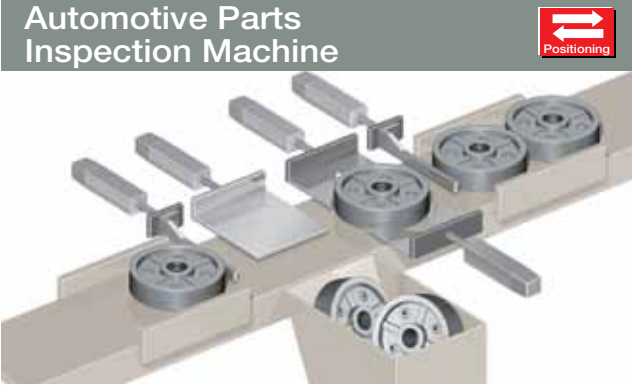
The raising and lowering of the stacker is done by ROBO Cylinder's "pitch feed" function, and the inserting of the discs into the stacker is done by the "acceleration/deceleration" function.

Actuator	RCP2-RA6C (P145) RCP2-SA6C (P29)	Controller	PCON-CY (P525)
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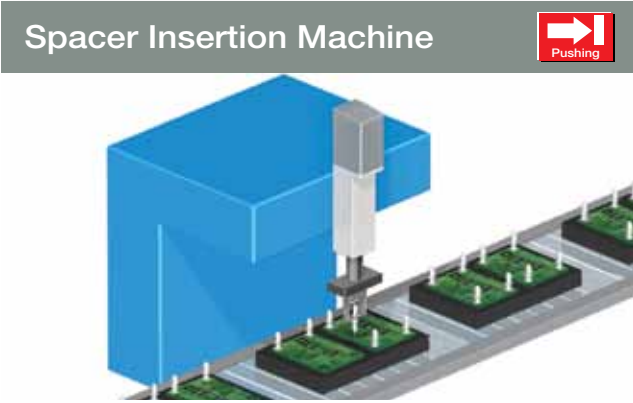
ROBO Cylinder is used to fill containers that are different in height. With the ability to control multiple positions, multi-product production can be supported.

Actuator	RCP3-TA5C (P273)	Controller	PCON-C (P525)
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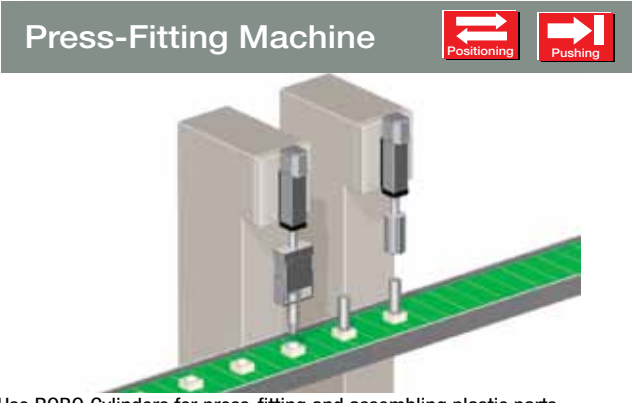
Use ROBO Cylinders in a part inspection line. Drive multiple axes to position and inspect the workpieces, and to sort out defects. All axes are controlled by a five-axis XSEL controller.

Actuator	RCS2-RA5C (P237)	Controller	XSEL-P (P587)
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Use ROBO Cylinder's push motion to insert spacers for printed circuit boards.

Actuator	RCP2-RA4C (P145) RCP2-GRSS (P333)	Controller	PCON-C (P525) PSEP-C (P487)
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Use ROBO Cylinders for press-fitting and assembling plastic parts. Assembling is done by the positioning moves of the ROBO Cylinders, while press-fitting is done by the pushing moves.

Actuator	RCP2-RA4C (P143) RCP2-RA10C (P147)	Controller	PCON-C (P525) PCON-CF (P525)
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