

ALANTRA-S

Servo-based enhanced-accuracy automatic capping of **pumps, triggers, CRC, twist-off, screw caps, snap-on caps, crimp caps, cork caps and more** – all in one machine



THROUGHPUT

Up to 50ppm or 100ppm (dual station capper)
(depending on container shape and weight)



VERSATILE & ECONOMICAL

Applicable to a wide variety of container shapes and sizes and cap types. Thanks to an integrated Servo rotary-linear motor and PLC & HMI, **cap types and container sizes and shapes are changeable at the touch of a button!**

- Almost eliminates the need for format parts
- Dramatically reduces downtime (under 20 minutes changeover)
- Easy to maintain



CAP PROPERTIES

- Cap types: pumps, triggers, CRC, twist-off, screw caps, snap-on caps, crimp caps, cork caps and more
- Cap diameter range - 23mm to 63mm
- Torque - Servo driven, adjustable from the HMI



CONTAINER PROPERTIES

Wide range of applicable container shapes and sizes for maximum compatibility:

- Max. height without a cap - 350mm (depending on the cap type)

- Min. height without a cap - 75mm
- Container's max. footprint - W=140mm x L=190mm
- Container shapes - round, square, rectangular and more



SERVO-BASED SYSTEMS

- **A servo-controlled horizontal cartesian gripper/manipulator** is used to track and deliver the caps to the gripper arm, ensuring the cap is in the correct orientation.
- **A Servo rotary-linear motor-controlled vertical gripper arm** places the cap into the container (linear motion) and screws the cap (rotary motion), to the specified torque.



FEEDER OPTIONS

Alantra-S offers robotic or mechanical options to unscramble, sort and feed caps to the application station including a vibratory bowl, elevator, turntable, or gravity track.



QC

Servo linear motor-controlled cap position QC

STANDARD SPECIFICATION

- Industry 4.0-ready
- Tool free changeovers
- Festo (Germany) pneumatics and Servo systems
- Complete SST304/316L design
- SIEMENS HMI & S7-1500 PLC series (Allen Bradley – optional)
- BANNER/ SICK/OMRON sensors
- E-stop buttons and safety interlocks wired through CAT IV safety controller.
- CE, ANSI, OSHA, NFPA and NEC compliant
- SEW/Siemens Motors



INDUSTRIES

Cosmetics, Food and beverage, chemicals, pharmaceuticals and more.

Offers the flexibility needed to meet the demands of seasonal and dynamic market changes.

FOR MORE DETAILS – CONTACT US:



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