

PNEUMATIC SCALE SPC | Servo Pump Capper



Engineering Excellence • Accuracy • Reliability

Pneumatic Scales' SPC capper is ideal for practically any container, including pump applications. Servo motors ensure accurate torque control, which is critical to producing a proper seal, and the SPC model introduces a Servo Cam. The Servo Cam provides consistent torque over a range of container sizes and types of containers for greater flexibility in production. Customized turret pockets control non-round containers; a gripper belt or clamp table can be added to hold round containers. The machine holds each container securely until capped, so spilling, slipping, scuffing and crushing are eliminated.

Caps are transferred to the capping chuck via a cap disk, and since timing is integrated with the turret, cap pickup is extremely reliable. Allowing ample time for each cap to seat itself eliminates misaligned caps, even at high speeds.

Eliminating container slippage, along with the use of servo motors, guarantees accurate torque control without wear parts or constant maintenance. The SPC capper's design provides in-process control using the servo's precise torque control, feedback and diagnostic capabilities. Capping application torque accuracy is ± 1 inch-lb. or better, across a range of 5 to 30 or 15 to 100 in-lbs.

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Product Detail

- Suited for containers made of glass, metal, plastic and fiberboard
- Flexibility to handle pump caps, screw caps, press-on caps, plugs, and overcaps
- Servo motor control for precise application torque, set by recipe
- User-friendly touchscreen interface allows control of all capper functions and displays diagnostics and makes machine adjustments simple to perform
- Real-time in-process monitoring allows for 100% verification of application torque and provides statistical data for production management
- Reduction in inertia effects
- Positive container handling
- No container/no cap feature
- Sanitary stainless steel design
- Color-coded Zepf MARK II® Change Part System enables operators to complete tool-free changeovers for varying containers and caps in less than 15 minutes

Technical Detail

- Speeds range between 12 – 400 Containers Per Minute (CPM) depending on model and project parameters
- Anti-rotation measures ensure each container is securely held through the capping process, eliminating crushing, scuffing, slipping, or spilling
- Range of capping heads from 4 – 20 available
- Handles round containers from 5.04" – 10.00" in diameter
- Handles square containers ranging from 3.93" x 3.93" – 10.00 x 10.00"
- Positive container handling
- Enhanced data collection with Servo systems provides critical data to enhance decision making capabilities and quality control

Options

- Available in standalone or monoblock configurations
- XP/ ATEX
- Available for use in hazardous environments
- Auto lubrication may be added
- Automated rejection / quality sampling is possible
- Reject/Inspection system for defective caps, includes inspection by camera to ensure proper position of cap after application
- Quality control sampling

To learn more about how our engineering features and available options will serve you, [contact our Pneumatic Scale experts today.](#)