

SC Capper



The SC Capper is available in stand-alone or monoblocked configurations.

Features:

- Performs virtually any capping requirement
- Positive container handling
- Servo motor control for precise application torque set by recipe
- Cap application diagnostics
- Easy access to all Servo motors in the upper turret.
- Minimal lubrication is required in upper turret
- Will not scuff or deform lightweight plastic containers
- Handles a wide variety of screw caps, press-on caps, plugs, and overcaps
- Accommodates glass, metal, plastic, and fiberboard containers
- Patented* chuck design
- Reduces inertia effects

* patent no. 6,044,626

Barry-Wehmiller

SC Capper

Performs Virtually Any Capping Requirement

The PneumaticScaleAngelus SC Capper provides positive container handling, accurate torque control, and tool-free changeovers.

Precise Container Control

By offering a variety of antirotation mechanisms, the SC Capper is ideal for practically any container. Customized turret pockets control non-round containers. Round containers are held by a gripper belt, which assures solid handling of a broad range of containers. Because containers are held securely until capped, there is no crushing, scuffing, slipping or spilling. Caps are transferred to the capping chuck by a cap disk. Since timing is integrated with the turret, cap pickup is extremely reliable. And, by allowing ample time for a cap to seat itself, misaligned caps are eliminated - even at high speeds.

Exceptional Torque Control

No container slippage means accurate torque - guaranteed. Servo motors offers accurate torque control without wear parts or constant maintenance. In-process control using the servo's precise

torque control, feedback and diagnostic capabilities. Capping torque accuracy will be ± 1 inch-lb, or better, across a range of 5 to 30 or 15 to 100 in-lbs. Real time in-process monitoring allows for 100% verification of the application torque and provides statistical data for production management. Slipping and cross-threading situations can be detected while corrective action can be taken. Custom torque profile curves are now possible.

Quick Tool-Free Changeovers

Changeovers are quick, easy, and tool-free, thanks to the availability of Zepf Mark II® change parts. Container and cap changeovers can be performed in less than fifteen minutes! Also, motorized turret height adjustment and mechanical position indicators increase changeover ease.

Touch-Screen Technology

Machine adjustments have never been simpler. A user-friendly touch-screen interface allows control of all capper functions and displays diagnostics. Optional programmable turret height adjustment offers push-button container height changeover.

Additional Features

- SANITARY, STAINLESS STEEL DESIGN
- TOUCH-SCREEN OPERATOR INTERFACE
- NO-CONTAINER/NO-CAP FEATURE
- COLOR-CODED CLUSTER LUBE PLATE IDENTIFIES LUBRICATION SCHEDULE
- MOTORIZED TURRET HEIGHT ADJUSTMENT
- OMAC/PACK-ML COMPLIANT.

Optional Features

- PROGRAMMABLE TURRET HEIGHT ADJUSTMENT
- TWO-SPEED HELIX TO RUN ALTERNATE STATIONS
- KNIFE PLATES FOR FLANGED NECK BOTTLES
- GUARD DOOR DIAGNOSTICS
- INFEEED BOTTLE STOP
- ON-LINE MANUALS
- SS UPGRADE WITH SS SERVO MOTORS
- FAULT AND REJECT TRACKING

SC Capper Technical Specifications

| Model Number | Normal Operating Speed (CPM) | Max. Cap Size | Max. Container Dia. w/ Grip Belts | Max. Square Container w/ Turret Pockets | No. of Capping Heads | Container Pitch | Starwheel and Turret Pitch Circles |
|--------------|------------------------------|---------------|-----------------------------------|---|----------------------|-----------------|------------------------------------|
| SC-450-4 | 20-80 | 89 mm | 6.88" | 6.00" x 6.00" | 4 | 13.91" | 450 mm |
| SC-450-6 | 30-120 | 89 mm | 6.88" | 6.00" x 6.00" | 6 | 9.27" | 450 mm |
| SC-450-8 | 40-160 | 89 mm | 6.25" | 4.81" x 4.81" | 8 | 6.95" | 450 mm |
| SC-450-10 | 50-200 | 89 mm | 4.97" | 3.93" x 3.93" | 10 | 5.56" | 450 mm |
| SC-600-6 | 30-120 | 89 mm | 9.00" | 8.00" x 8.00" | 6 | 12.36" | 600 mm |
| SC-600-8 | 40-160 | 89 mm | 8.00" | 6.56" x 6.56" | 8 | 9.27" | 600 mm |
| SC-600-10 | 50-200 | 89 mm | 6.79" | 5.38" x 5.38" | 10 | 7.42" | 600 mm |
| SC-600-12 | 60-240 | 89 mm | 5.61" | 4.60" x 4.60" | 12 | 6.18" | 600 mm |
| SC-600-14 | 70-280 | 89 mm | 4.75" | 3.98" x 3.98" | 14 | 5.30" | 600 mm |
| SC-900-8 | 40-160 | 89 mm | 10.00" | 10.00" x 10.00" | 8 | 13.91" | 900 mm |
| SC-900-10 | 50-200 | 89 mm | 10.00" | 8.24" x 8.24" | 10 | 11.13" | 900 mm |
| SC-900-12 | 60-240 | 89 mm | 8.00" | 7.05" x 7.05" | 12 | 9.27" | 900 mm |
| SC-900-14 | 70-280 | 89 mm | 7.38" | 6.14" x 6.14" | 14 | 7.95" | 900 mm |
| SC-900-16 | 80-320 | 89 mm | 6.41" | 5.41" x 5.41" | 16 | 6.95" | 900 mm |
| SC-900-18 | 90-360 | 89 mm | 5.65" | 4.82" x 4.82" | 18 | 6.18" | 900 mm |
| SC-900-20 | 100-400 | 89 mm | 5.04" | 4.38" x 4.38" | 20 | 5.56" | 900 mm |

Note: Capped container height range for each model is 12" maximum, 2" minimum. Nominal speeds and dimensions are shown as a guideline only. Samples of containers and caps will be needed for final machine sizing.

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