

FILAMATIC NEWS

NATIONAL INSTRUMENT COMPANY, INC. • 4119 Fordleigh Road • Baltimore, MD 21215 • Tel. (410) 764-0900 • Fax (410) 764-7719

Internet: <http://www.filamatic.com> • Email: info@filamatic.com

Contact: Sales Department,
for more information

*Manufacturers of Liquid
Filling, Capping and
Packaging Systems*



New Chuck Type Capper Features Precise Torque Adjustment, Easy Set-Up And Quick Changeover

National Instrument Company is pleased to introduce a new compact chuck type capping machine to apply screw cap closures. Tradenamed **CAPAMATIC®** Model CAL-2, this two-head capper can achieve production rates up to 50 containers per minute. It is designed to accommodate a broad range of caps and containers, especially those applications that require precise torque control. A touch screen control panel enables adjustments such as cap torque, machine height parameters, bowl control parameters and cap feeder speeds.

The standard CAL-2 capping machine accommodates screw caps from 13 mm to 38 mm in diameter and from 0.50 inches to 1.18 inches in height and containers with a maximum width of 3.75 inches and a height up to 10.75 inches. With modifications to the capper, a wide range of other cap, container shapes and sizes may be accommodated.

Standard features of the capper are: an overhead bulk pre-feeder and vibratory feeder bowl, and a highly accurate servo-operated feed screw indexing system. The pre-feeder and bowl ensure a constant supply of properly oriented caps to the capping chucks. The servo-operated feed screw provides precise container transport through the capping station. The speed of the feed screw assembly can be programmed to ramp up and ramp down to eliminate product spillage prior to the capping operation.

The control system also includes a “no container in feed screw” sensor. The sensor is located at the point where the containers are loaded into a feed screw pocket. If an empty pocket is detected, the microprocessor tracks the empty pocket and disables the capping function as it passes.

The capper’s operation has been dramatically improved by the use of a new “Quick-Change Collet Chuck”**. The feedback control system trips the servo torque when the torque setting is reached, and maintains a dwell to provide more precise torque control and shorter cycle time.

Quick-change tooling makes changeover from one cap size to another simple and easy. Simply push up and turn the chuck 45 degrees to remove or install the stainless steel collet.

The main capper housing height adjustment is controlled through pre-set container heights in the PLC. Simply select the container description from the touch screen display and the electrically driven mechanism will correctly adjust the housing in a matter of minutes.

The **CAPAMATIC®** CAL-2 capper is designed for use under laminar airflow in a Class 100 clean room.

**Patent Pending