

FILAMATIC NEWS

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*Manufacturers of Liquid
Filling, Capping and
Packaging Systems*

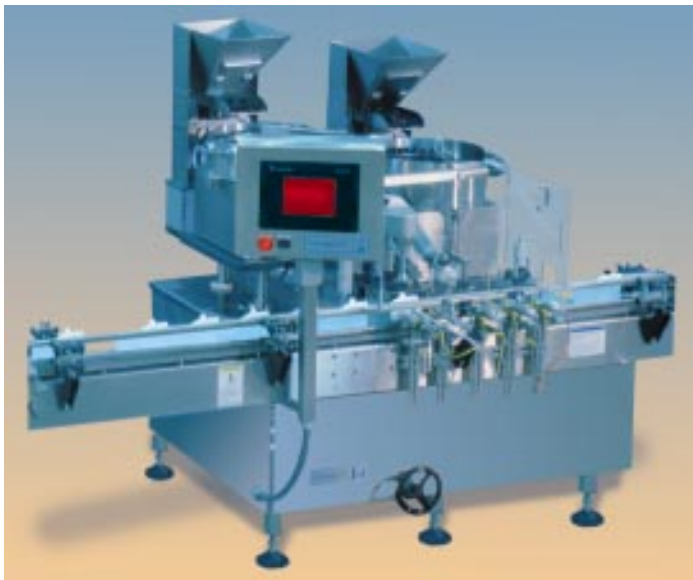


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Newly Designed Cap Application Tools Enable Capping And Monobloc Series Machines To Provide Faster, Simpler And More Efficient Capping

National Instrument Company announces three new cap closing machines for packagers using snap cap, screw cap or aluminum crimp cap closure systems. When equipped with any of the three newly designed Snap Cap Placing, Screw Cap Tightening or Overcap Crimping Tools, these new machines are, in contrast to comparable machines presently available, more reliable and utilize fewer moving parts with quick-change tooling. They are also cleaner in operation, making them the optimum choice for use in Class 100 clean rooms.



MODEL: CAL-1-SP CAPPING MACHINE



MODEL: MNB-P2-LD MONOBLOC MACHINE



Snap Cap Placing*

The snap cap pick and place process uses a vision system to register cap alignment rather than existing cap alignment mechanisms. The camera “sees” the cap in the feed chute and signals the servo motor to precisely align the chuck. This time-saving feature permits the caps to be fed without rotational alignment. The quick-change collet style chuck makes change-over from one cap size to another simple and easy. Simply push and turn the chuck 45 degrees to remove the collet and vice versa to install the next interchangeable collet. No tools are required.



Cap Tightening*

The servo cap tightening system provides a superior method of tightening caps where accuracy and reliability are required. The operation has been dramatically improved by using a new low inertia collet chuck. The collet chuck is fabricated from a one-piece stainless steel jawset. Its low inertia improves the performance of the cap servo feedback control systems, providing precise torque control and shorter cycle times. No tools are required for change-over from one cap size to another.



Overcap Crimping*

The new collet crimping head forms and seals aluminum overcaps onto pharmaceutical containers. The overcaps can be completely sealed in a total cycle time of less than one second. The crimp tool is air-actuated and provides a tight, leak-proof seal, with no visible marks or striations. The collet crimping head eliminates spinning rollers, thus reducing a potential source of particulate generation. The tool draws the edge of the cap against and over the rim of the vial to form a smooth overcap in one quick, quiet and clean motion.



***Patent Pending**