



VERSA CAP – VERSATILE CAPPING MACHINE

This high-performance straight through capper is designed to handle a wide range of cap shapes and sizes. It is easy to run, easy to adjust and uses a minimum of components to provide versatile, high quality capping.

The Versa Cap is designed for rapid change over by using a minimum of cap size change parts. One sorter, chute, and adjustable chute end can handle most caps in either the 13-38mm or 38-70mm size range. A simple quick-change adjustable chute end that snaps into position without tools is needed for each major cap size variation.

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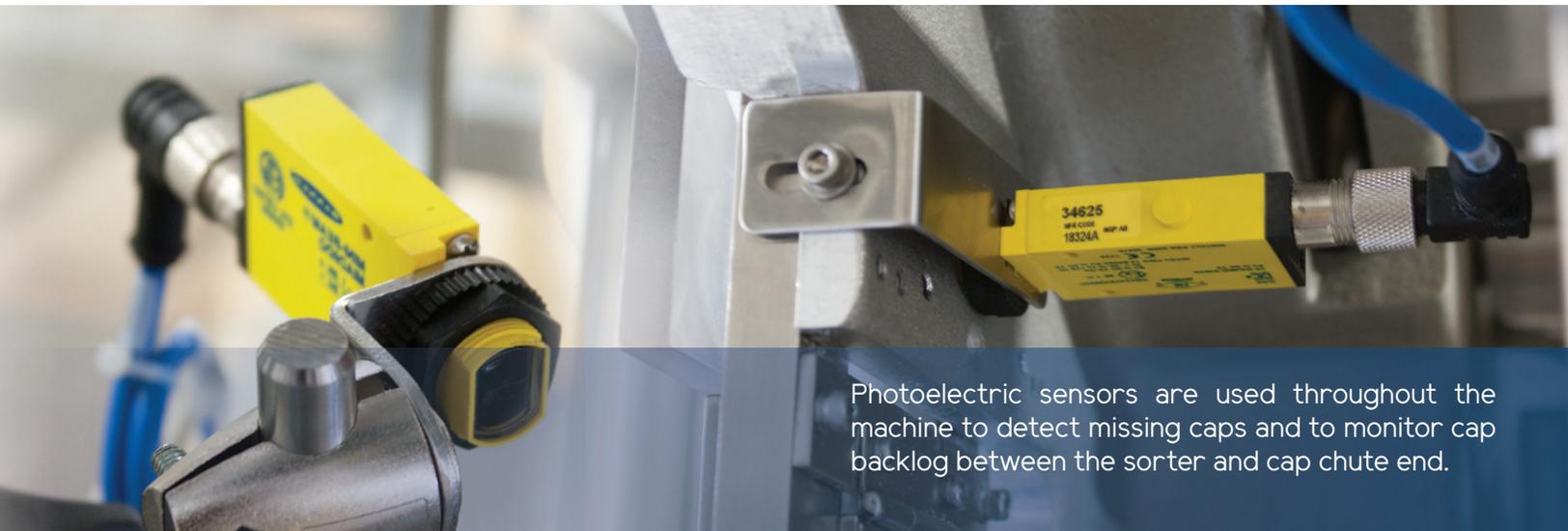


OPERATING PRINCIPLE

Cushioned gripper belts are adjustable to move containers of nearly any size and shape smoothly through the capping operation without the need for timing stars or feed screws. Caps are positioned from a chute in the cap escapement assembly, picked up by the container neck finish and positioned for tightening.

An independently driven overhead assembly with matching sets of polyurethane discs assures tight capping. The first set of discs gives caps a quick initial twist. The next set of discs draws the cap onto the container neck. The cap sorter, tightening discs, and machine/conveyor are controlled through three electronically controlled variable speed drives.

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Photoelectric sensors are used throughout the machine to detect missing caps and to monitor cap backlog between the sorter and cap chute end.

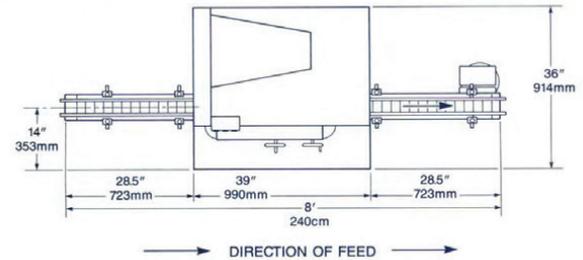
Torquing Mechanism	2 Pairs of Roating Wheels
Motion	Inline, Continuous
Closure Types	Continuous Thread or Snap-on, Plastic, or metal
Closure Sizes	13mm - 70mm*
Min/Max Container Diameter	38mm/180mm 1.5"/7.0"
Min/Max Container Height	63mm/380mm 2.5"/15.0"
Containers Per Minute	Up to 250 cpm
Conveyor	
Delrin Chain Length	114mm 4.5"
Height	240cm 8'
Travel	812mm - 914mm 32" - 36"
Container Handling	Left to Right Gripper Belts
Cap Feeding	Vertical Pinwheel
Air Requirements	None
Electrical	230 Volt, 3 Phase, 60 Cycle, NEMA 12 Standard**
Container Spacing	Minimum 3" Center to Center
Dimensions - Set up	2.4m x 0.9m x 2.3m 8.0' x 3.0' x 7.8'
Dimensions - Crated	3.0m x 1.3m x 2.5m 10.0' x 4.2' x 8.2'
Net Weight	900 kg / 2000 lbs.
Gross Weight	1080 kg / 2400 lbs.
Can be combines with any high speed MRM Elgin rotary filler. (see drawing, page 4)	

* Larger sizes can be accomodated.

** Other electricals available. Please consult factory.

STANDARD FEATURES

- Fully automatic operation
- Rotary vertical cap sorter and feeder with pinsorting wheel
- Stainless steel cap chute
- Custom designed cap chute spacers
- Adjustable cap chute end with cap stabilizer and wiper
- One set of bottle gripper belts synchronized to conveyor drive
- Stainless steel conveyor with 4.5" (114.3mm) Delrin plastic flat top chain with variable speed drive
- Aluminum top cabinet plate
- Two sets of tightening stations
- Photoelectric cap chute sensor to control cap backlog
- Lexan plastic guarding surrounding capping area
- Fully wired to 230 volt, 60 cycle, 3 phase NEMA 12 standards



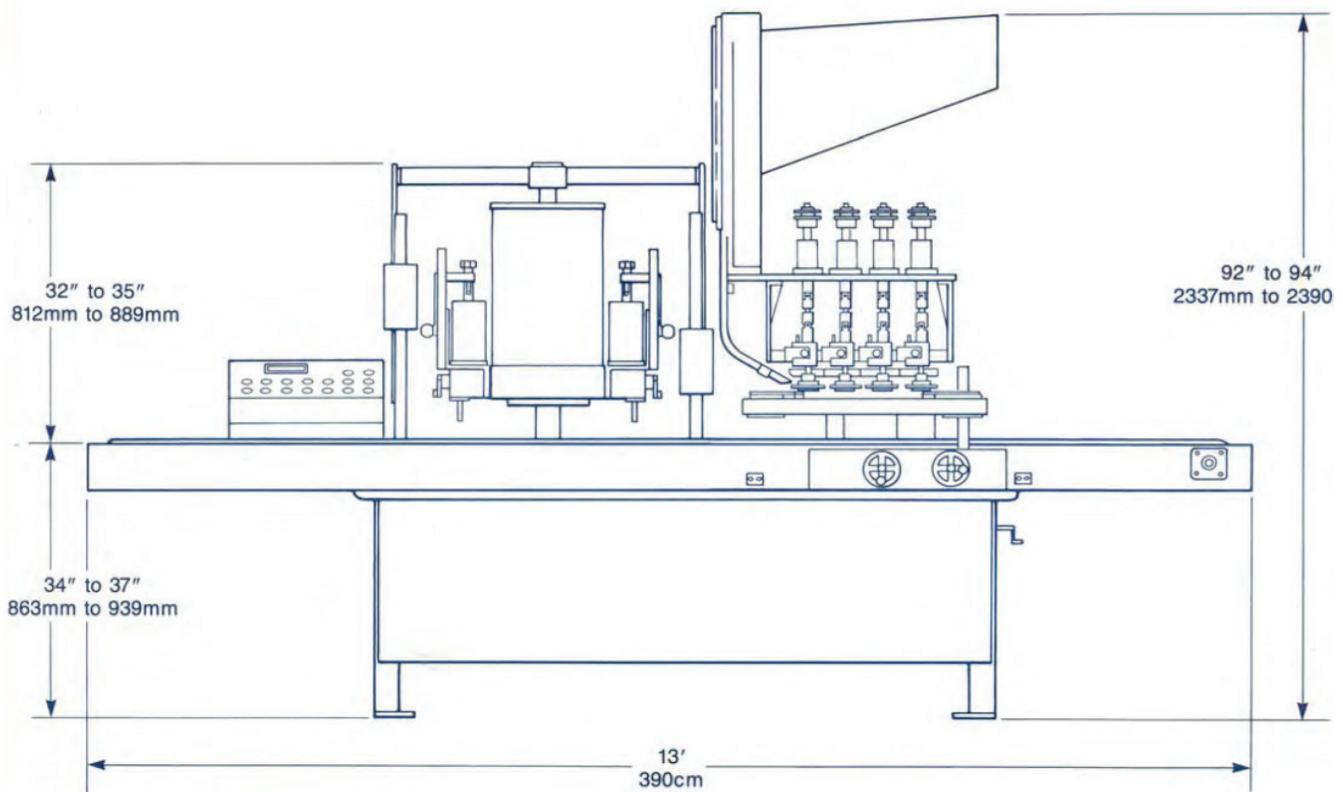
OPTIONS & ACCESSORIES

- Increased hopper size for added capacity
- Division dial and inner ring for caps whose height exceeds their diameter
- Vibratory or centrifugal sorters available
- Additional cap chute end, cap stabilizer and wiper for caps with special shapes
- Cap delay for capping plastic "F" style jugs
- Additional tightening disc stations
- Automatic wear compensation for tightening disc stations moves wheels in toward centerline when wear is experienced
- Tightening disc clutches
- Elevation screws for quick height adjustment of bottle gripper belts
- Second set of bottle gripper belts for unstable bottles
- Stainless steel top cabinet plate
- NEMA 4 watertight and NEMA 7 explosion-proof electricals
- Profile sorting ring for caps with irregular shape
- Snap-cap pressing package for use in addition to or in lieu of screw-on type mechanism
- Special corrosive environment package
- Monoblock filler/capper design (see below)
- Overcapper or fitment inserter design
- Spare Parts Kit



SPECIAL VERSA CAP ADAPTATIONS

The Versa Cap can be used as a mono-capper in conjunction with any high-speed Cozzoli rotary filler in a monoblock design. Combined drives and controls result in a compact, space-saving, cost efficient filler/capper combination which is easy to operate, changeover and maintain. Snap capping, overcapping and fitment inserting can also be readily accomplished on the versatile Versa Cap



**Rotary Piston Filler with Mono-Capper
Model RPF-8-MC**
(Upper assemblies shown without guards)