

CM200/CM400 Rotary Crimping Machines

Features:

The final component to Cozzoli's filling and stoppering systems is the continuous motion rotary crimper. Uniquely designed, the CM series is capable of speeds of 200 up to 400 per minute and has the ability to test and record the seal pressure of every closure. Automatic vial height adjustment is provided for easy operator changeover and also is a safeguard against adjustment errors.

Operating Principle:

This high-speed rotary crimping machine, model CM200 or CM400, handles stoppered containers with absolute control while it automatically caps and crimp seals aluminum closures at speeds of up to 200 or 400 containers a minute. As capped containers index into position individual triple-roller crimping heads lower and tuck the skirt under with a gentle progressive roll, then raise as finished containers index out.

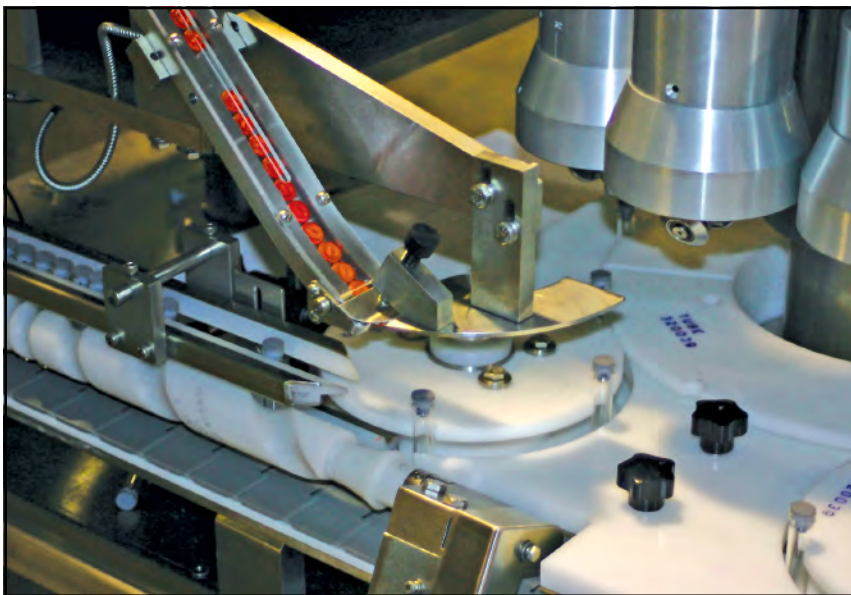
These units offers a detection feature that can recognize a "no stopper/no crimp" condition. Also, in the event a crimp takes place on an unstoppered container, as an option, it can be rejected. Notable features include automatic container height adjustment that not only reduces changeover time, but also safeguards against adjustment errors.



The CM200 and CM400 each have a stainless steel exterior and is equipped with a vibratory bowl, conveyor, three star-wheels and a keypad entry message center. Both accommodate tear and flip-off closures as well as line seals ranging from 13 mm - 32 mm, and handle container sizes from 2 ml - 500 ml.

Specifications

Crimping mechanism: Triple-roller crimping heads
Motion: Continuous
Closure types: Aluminum-Tear, flip-off and line seals
Closure sizes: 13, 20, 28, 32 mm
Container diameter: Min. 9/16" (14.3 mm) - max. 3" (76 mm)*
Container height: Min. 1 1/8" (28.5 mm) - max. 7 1/8" (181 mm)*
Container size: 2 ml - 500 ml*
Conveyor: Sanitary
Chain: Tabletop 3 1/4" (82 mm)
Length: 7' (2.1 m)
Height: 32" - 36" (813 mm - 914 mm)
Travel: Left to right
Containers/minute: Up to 400
Container Handling: Feed screw, star-wheels
Bowl size: 18"
Pneumatics: None
Electricals: 115 V, 60 Hz., 1 Ph.
Controls: Programmable Logic Controller (PLC)
Dimensions (set-up): See drawing; (crated): 138" w x 68" d x 79" h
Weight (net): 1500 lbs. (680 kgs.); (gross): 2300 lbs. (1043 kgs.)



Features include:

- Continuous motion operation
- Sealing pressure set and controlled by crimping head adapter—eliminating time consuming pressure adjustments
- Automatic container height adjustment—reduces changeover time
- Same crimping heads accept neck finishes 13 mm - 32 mm—with easy changing cap seats and rollers

Options include: every seal pressure tested and recorded—no separate testing machine required

*Consult Cozzoli Machine Company for other containers sizes.

Cozzoli Machine Company maintains a continuing development program; equipment built after this publication may vary from specifications given here.