

## CM200/CM400 Rotary Crimping Machines

### *Features:*

The final component to Cozzoli's filling and stoppering systems is the continuous motion 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.

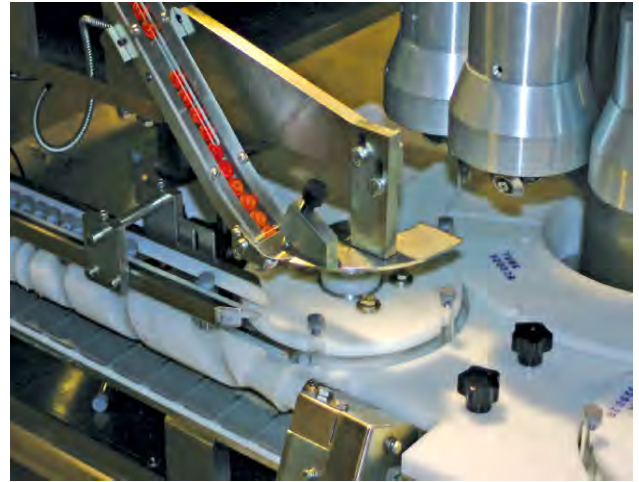
These units offer a detection feature that can recognize a "no stopper/no crimp" condition. Also, in the event a crimp takes place on an unstoppered container, as an option, it can be rejected. Notable features include automatic container height adjustment that not only reduces changeover time, but also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

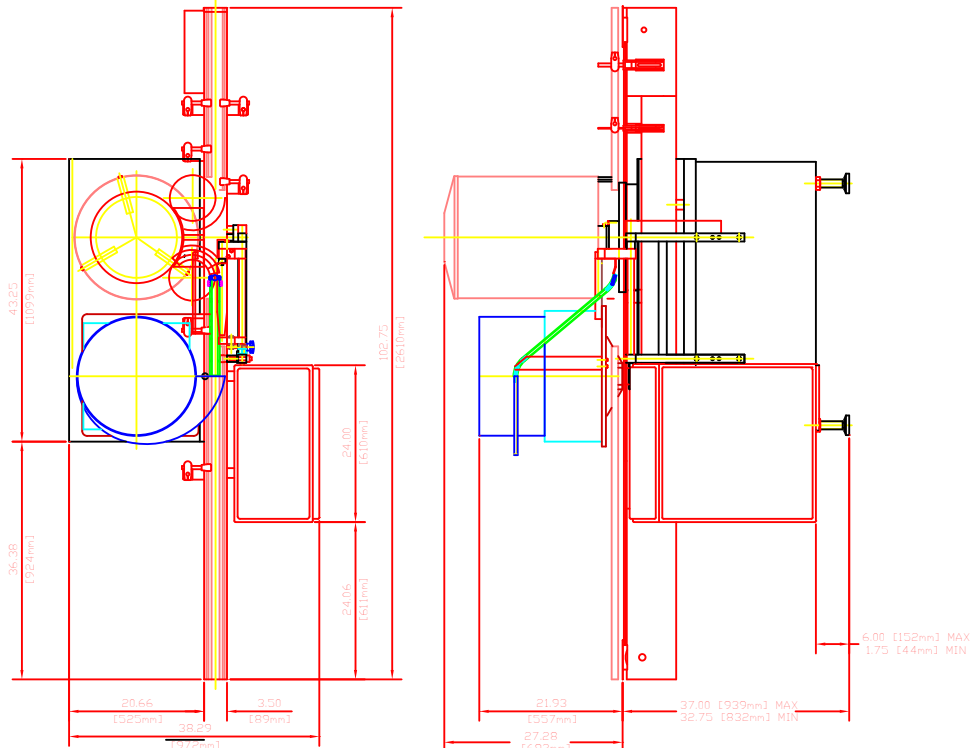
# Specifications

**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 adaptor --eliminating time consuming pressure adjustments
- Automatic container height adjustment reduces changeover time
- Some crimping heads accept neck finishes 13 mm - 32mm--with every changing cap seats and rollers
- Options include: every seal pressure tested and recorded --no separate testing machine required.



\* Consult Cozzoli Machine Company for other container sizes.

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

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