

Semi-Automatic Cartoning



JONES

Versatile, High Performance Semi-Automatic Cartoning.

With over 1500 Semi-Automatic machines installed since 1949, many customers in a wide variety of industries have relied on Jones CMV and IMV Cartoners to handle everything from aspirin, deodorant and lipstick to sporting goods, automotive products, paper goods and food items. And for good reason. Our constant motion and intermittent motion vertical cartoners have established a solid reputation for consistent performance, at speeds up to 150 cartons per minute.

Jones Semi-Automatic Cartoners come equipped with more standard features customers want in a cartoning system.

Features like heavy-duty construction for higher sustained efficiencies. A proven patented

belt closing system that ensures simple, untimed operation. Positive carton opening/control with extended carton opening fingers and positive cyclical cleaning of vacuum lines.

And, of course, every piece of Jones equipment is backed by our comprehensive program of service and support, including a video tape training program with every CMV machine. So you can count on Jones to meet all of your requirements... from initial inquiry throughout the life of your machine.



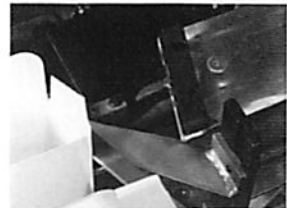
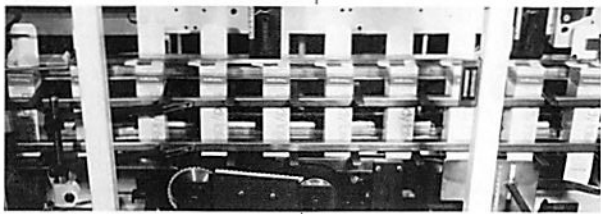
CMV Cartoner.

The Jones Constant Motion Vertical Cartoner can handle a broad range of carton sizes, styles and materials for virtually any type of product.

Faster, surer closing, quick changeovers, and efficient operation at speeds up to 150 CPM, all combine to provide labor savings and lower overall packaging costs.

CMV Benefits/Features

- **Long Life, Low Maintenance:**
 - Heavy, one-piece weldment frame.
 - Main drive gears fully enclosed and submerged in oil.
 - Cartons are carried by a heavy pre-stretched and matched three chain adjustable transport.
- **Reliable Carton Feed:**
 - Extended carton opening fingers provide a smoother, more controlled carton opening.



Above, top: Unique moving belt, closes tuck-style cartons, eliminating flap dragback.

Above: Positive carton opening with extended opening fingers.

• Fast Carton Size Changeover:

- Requires few or no change parts.
- Calibration charts are provided for each carton tested.
- Numbered adjustment points with permanently mounted stainless steel calibration scales and pointers.
- Quarter turn Kipp handles make changeover adjustments fast and easy.

• High Speeds:

- Standard speed range is 45-120 CPM, with a "high speed" option, up to 150 CPM.

• High Closing Efficiencies For Tuck Style Cartons:

- Patented belt closers provide positive tuck flap insertion by a belt that moves with the carton, eliminating flap dragback.

• Safety For Machine Operation:

- Hinged Lexan guard doors with interlocks provide clear visibility and operator protection during machine operation.

• No Vacuum Pumps Or House Vacuum Required:

- CMV Cartoners are equipped with an air transducer vacuum system requiring 1.4 CFM at 60 PSI compressed plant air for carton opening.



Quick turn Kipp handles make carton changeover fast and accurate.



Standard CMV with three foot frame extension.

- Air blow back through the vacuum cups (on every stroke) eliminates vacuum line blockage. This provides for a more accurate, timely release of the carton resulting in longer vacuum cup life.

• Hand Loading Of Product Made Easy:

- Frame extensions up to 15' are available to meet increased loading space requirements.

• Wide Range Of Carton Styles:

- Standard reverse or straight tuck and glued end cartons.
- Most other special cartons (consult factory).

CMV Specifications:

Machine: Model CMV
 Operation: Semi-Automatic constant motion
 Speed: Standard Models (5" or 6" centers), 45-120 CPM High Speed Option: 50-150 CPM. Model 8, 45-80 CPM
 Carton Styles: Reverse or straight tuck, fifth panel, fourth flap, shadow box, partitioned, glued end
 Machine Weight: Approximately 3300 lb.
 Dimensions: Crated/Standard Machine— Length: 14'2", Width: 5'10", Height: 5'7"

Options For Specific Needs.

You can increase cartoning productivity and eliminate the need for separate machinery by adding any of the following optional Jones IMV accessories. Special custom-designed options are also available upon request.

Automatic Bottle Loader

The Load Star™ Automatic Bottle Loader automatically loads bottles at speeds up to 150 CPM, while offering labor savings of two or more people. It provides maximum cartoning efficiency, requires little space and comes equipped with all the required safety features.

Pre-folded Leaflet Feeder

You can insert pre-folded leaflets into cartons automatically, eliminating costly and time-consuming manual operation. Leaflet sizes range from a minimum of 5/8" wide by 3 1/2" long to a maximum of 2" wide by 7" long.

Code Dater

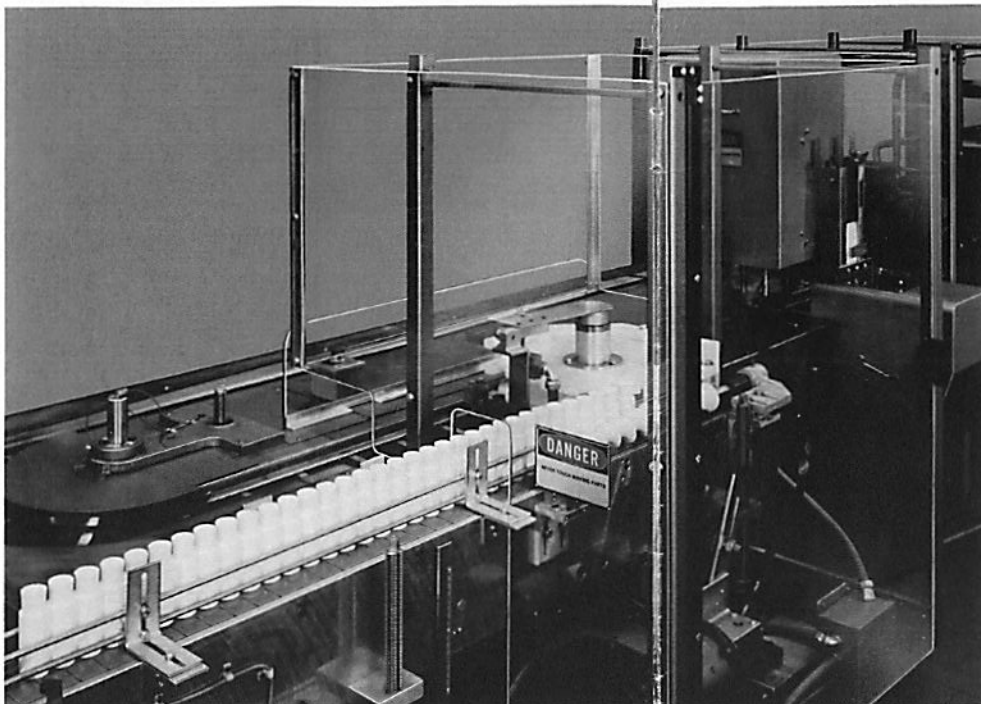
A Code Dater is available that debosses a code on the bottom flap of the carton as it travels through the machine. Top flap coding and Porelon inking are also available as options.

Printer

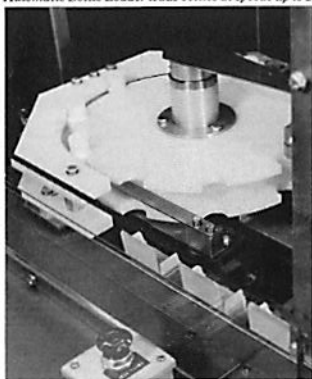
A rotary printer (not shown) is also available. It provides high quality printing on the top end panel of the carton.

Mobile Mount

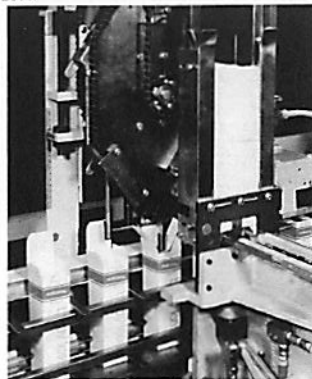
For easy, quick machine relocation.



Automatic Bottle Loader loads bottles at speeds up to 150 BPM.



Bottles move at same speed/direction as cartons.



Automatic insertion of pre-folded leaflets.



Debossing Code Dater.

Model IMV

As an alternative to the CMV, the Jones IMV Cartoner offers efficient, dependable low-maintenance operation. It can operate up to 60 cartons per minute, features rapid change-over, and can accommodate a wide range of carton sizes, styles and materials. The IMV has proven successful in the same markets served by the CMV.

The intermittent motion of the IMV provides excellent opportunities for automatic loading with pick-n-place or other type loading mechanisms.

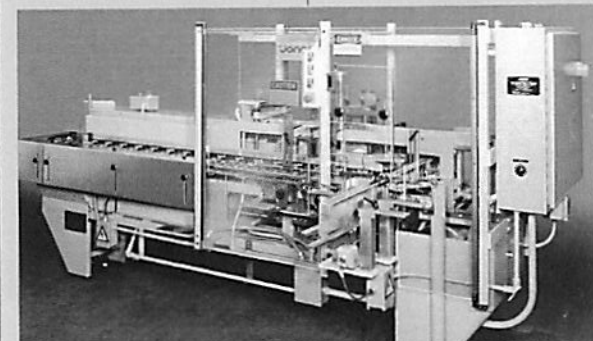
IMV Benefits/Features

- Long Life, Low Maintenance:
 - Main frame is a heavy, one-piece weldment.
 - Main gears and Geneva drive are submerged in oil.
 - Cartons are carried on a heavy pre-stretched and matched two-chain adjustable transport.
- Automatic Loading Made Easy:
 - Carton pauses for two-thirds of each cycle.

- Pick-n-place and other type loading mechanisms can easily interface with the IMV.
- Reliable Carton Opening:
 - Jones vacuum cup-head assembly pre-opens cartons slightly as they are withdrawn from the carton magazine.
- IMV Is Compact And Easy To Move:
 - Small compact construction and casters allow easy machine relocation.
- Optional Features:
 - Leaflet Feeder, Printer and Code Dater.
- Guaranteed Speed Up To 60 CPM
- Fast Carton Size Changeover
- Safety For Machine Operation
- Wide Range Of Carton Styles

IMV Specifications

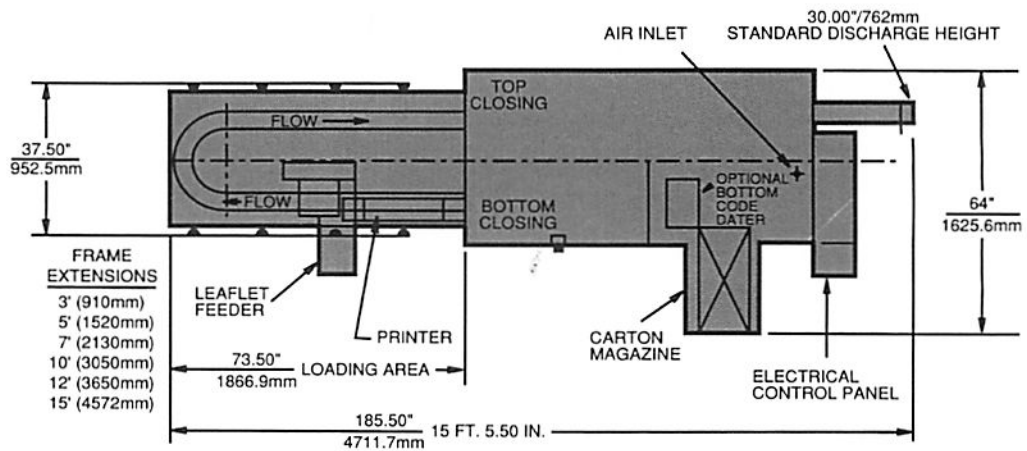
Machine: Model IMV
 Operation: Semi-Automatic intermittent motion
 Speed: 25-60 CPM
 Carton Styles: Straight and reverse tuck, fourth flap, fifth panel, four-flap lock bottom, glued end
 Machine Weight: Approximately 2100 lb.
 Dimensions: Crated/Standard Machine—
 Length: 11'6", Width: 4'11", Height: 5'5"



IMV Intermittent Motion Vertical Cartoner operates at speeds up to 60 CPM.

Floor Plans.

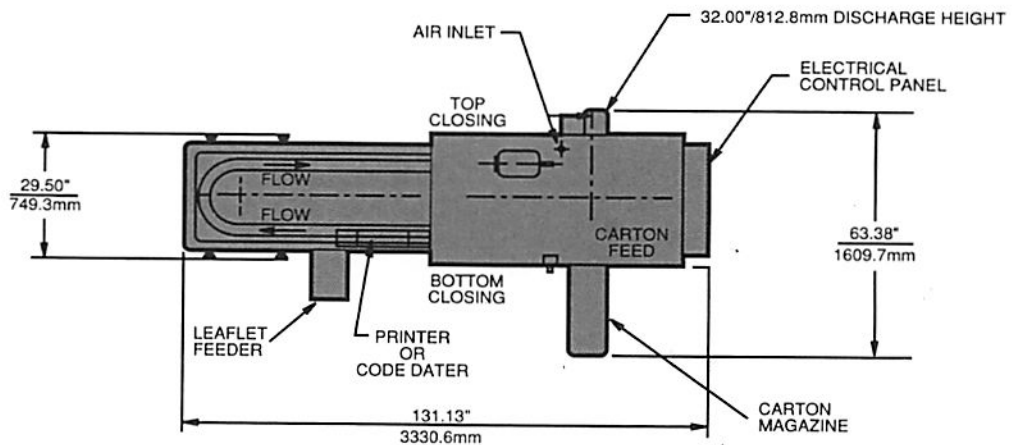
CMV



Carton Range for CMV

		Length		Width		Depth	
MODEL 5	Min.	1"	25mm	3/4"	19mm	2 1/2"	64mm
	Max.	4 1/4"	108mm	4 1/4"	108mm	9"	230mm
MODEL 5-Special	Min.	1"	25mm	3/4"	19mm	1 3/4"	45mm
	Max.	4 1/4"	108mm	4 1/4"	108mm	7"	178mm
MODEL 6	Min.	1"	25mm	3/4"	19mm	2 1/2"	64mm
	Max.	5 1/4"	134mm	4 1/4"	108mm	9"	230mm
MODEL 6-Special	Min.	1"	25mm	3/4"	19mm	1 3/4"	45mm
	Max.	5 1/4"	134mm	4 1/4"	108mm	7"	178mm
MODEL 8	Min.	2"	50mm	1"	25mm	3"	76mm
	Max.	7 1/4"	184mm	4 1/4"	108mm	9"	230mm

IMV



Carton Range for IMV

		Length		Width		Depth	
MODEL IMV	Min.	1"	25mm	3/4"	19mm	2 1/8"	54mm
	Max.	4"	102mm	2 3/4"	70mm	7"	178mm

Machine improvements often result in spec changes.

Jones

More than just machine builders.

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Designers/manufacturers of packaging machinery systems.

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