



1. Boxes availability: no need to procure and stock boxes of different sizes - boxes are created unique to the products being packaged - in realtime

2. Less warehouse space required - only reels to be stored

3. No risk of not having the correct size box in stock

4. Reduced material costs since box is custom made according to product being shipped

5. Dramatically reduce or eliminate the need for filler materials

6. Less environmental impact

7. Increased packaging productivity and efficiency through automation



THINKING OUT OF THE BOX

CMC **CARTONWRAP**
VARIABLE BOXES ON DEMAND



PC ADD CONTROLLER

PC ADD is CMC developed Line Controller available in all main international languages for:

Document handling

- Barcode readers
- (matching, tracking, sequence control, no read, lot control)
- Addressing
- Sorting
- Read & Print

Data Integrity

- Reports
- Logs
- Database update

Management of File-based production

- Selectivity
- Printing of invoices and delivery notes
- Printing and despatch labels for the carrier

Management of CMC line devices

- Feeders
- Rejects
- Ink-jet printers
- Labellers
- Weighing systems



PC REGIA SYSTEM

PC REGIA is CMC-developed remote supervision controller for multiple CMC lines capable of managing, splitting, merging multiple complex jobs across several PC ADD controllers.

- Duplicates checking between lines
- Up to 10 CMC inserting lines
- Monitoring lines in real time
- Up to 10 different jobs at the same time
- Job assignment and management (i.e. duplicates checking and reprinting)
- Data and Mail stream Integrity
- Web-based global statistics

CMC CARTON WRAP

TECHNICAL SPECIFICATION

With 800 mm wide reel

Minimum box size	210x150xH20 mm
Maximum box size	300x210xH160 mm
Maximum mechanical speed	15 boxes/minute

With 1200 mm wide reel

Minimum box size	300x210xH30 mm
Maximum box size	600x400xH210 mm
Maximum mechanical speed	15 boxes/minute



CMC, s.r.l.
Via C. Marx 13/c
06012 Città di Castello,
Perugia - Italy

Tel. +39 075 8618006
Fax +39 075 8511094
cmc machinery.com
info@cmc machinery.com

www.cmc.com

CMC CARTONWRAP

Variable boxes on demand



CMC CARTONWRAP

Variable boxes on demand

CMC CartonWrap is an automatic carton packaging system capable of creating dynamic cardboard boxes from a continuous corrugated material reel.

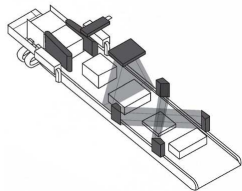
Designed to address the needs of shippers, such as e-commerce and fulfillment companies, that need to procure and stock multiple size boxes to satisfy varying packaging needs.

This integrated solution is designed to help companies that use large amounts of boxes of different sizes, such as e-commerce and fulfillment companies that need to send out several boxes of different sizes according to the orders received.

CARTONWRAP produces boxes from a simple and inexpensive corrugated cardboard reel in real-time, each one unique to the products being boxed.

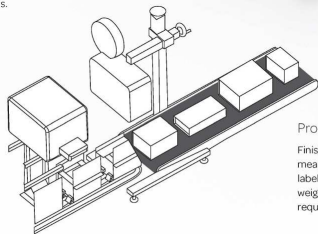
The real-time format change is managed automatically through product recognition or directly from a database ensuring high flexibility of processing. High productivity with speeds of up to 15 boxes per minute.

System can be expanded to add print systems for logos, trademarks or any other information directly to the box, further allowing each box to be unique. Labeling systems can be integrated according to shipping method needs.



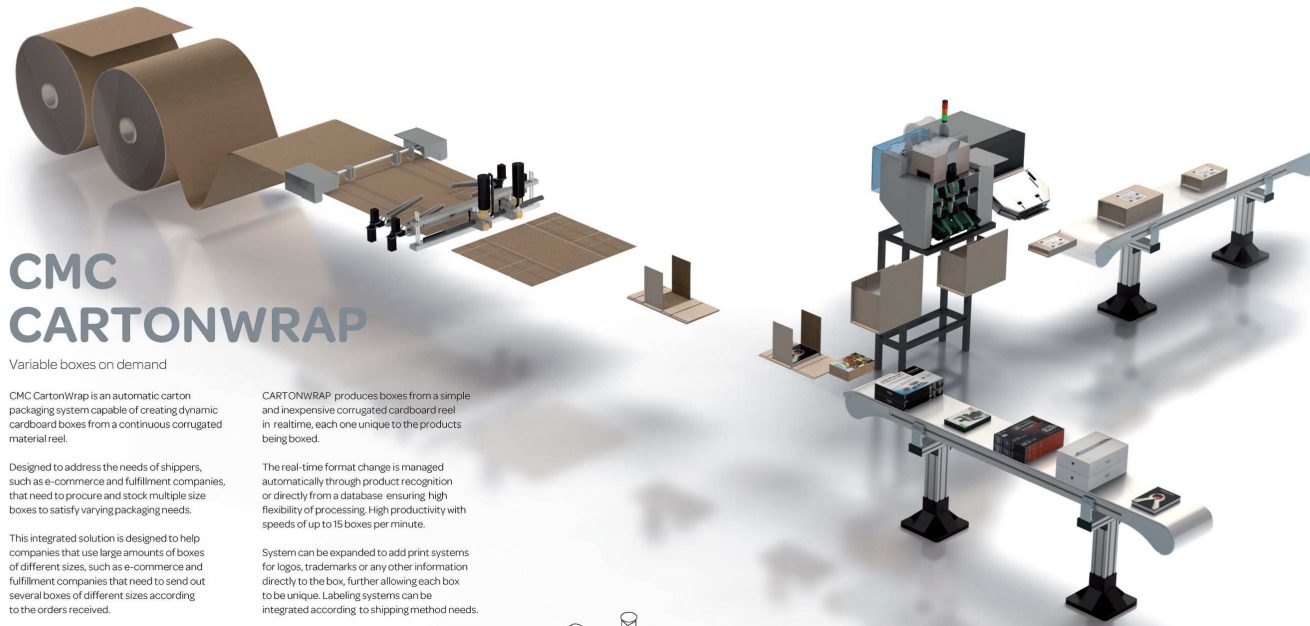
Product Entry:

Intelligent detection of the product parameters at machine entry utilizing automatic dimensioning, product barcode lookup in database, weighing system, among others.



Product Exit:

Finished box customization by means of document attachment, labelling, inkjet printing, product weight, as well as other logistical requirements.



Description of machine operation

02 03

Box size is determined through management software and can be determined in several ways:
By Barcode readers
By an automatic product dimensioning system
By customer database files
This information is used to feed the precise length of material required for the box from reel unwinder.
The corrugated cardboard is processed by the creasing and dynamic cutting system creating a blank to be formed.
The creasing and trimming system is controlled by multi-axes servo system that allows for both high precision and high speed.

The cutting module is comprised of 8 trimming segments to create all the panels and flaps of the box.

The automatic gluing system applies glue spots by means of hotmelt glue guns along the perimeter of the blank. The use of hotmelt glue allows immediate and long-lasting sealing.

The transversal cutting blade does the final cut of the reel, getting thereby fully shaped carton blank.

The first automatic forming station closes the side flaps and forms the product containment center flaps.

The forming module is self-adjusting according to each individual box being formed.

04

The semi-formed box is conveyed to the product deposit station, the size of the product having been previously detected by the software.

The semi-formed box containing the product is conveyed at 90° to allow the upper flaps to be closed and the box to be finished.

05

Prior to closing the upper flaps, it is possible to add additional documents, such as marketing materials, invoices, return instructions, etc, through the use of optional feeders.

06

The completed packaged can also be optionally labeled according to shipping requirements and conveyed to a final palletizing area.

01

Optionally, two unwinders are recommended to reduce downtime associated with changing reels increasing overall productivity of the system.

