



E-commerce 3D packaging technology

Right-size packaging, in real-time

Automated packaging systems

High-speed, high volume

Continuous corrugated fanfold

On-Demand Packaging Solutions



Please contact our Account Managers for more information.

03 9301 8800

Abbe is proudly Australian and a family owned business, with industry ties since 1954.

Providing locally manufactured and recyclable products to customers every day.



Abbe is FSC® (FSC® C157071) and PEFC certified (PEFC/21-31-345). Ask us about our certified products.



Explore our full capabilities and expertise at www.abbe.com.au

On-Demand Packaging Solutions

“What if every box was the perfect size for every product?”

Any Box. Sized Right.
Every Time.

Abbe, an industry leader in corrugated cardboard packaging solutions, brings world-class technology in “on-demand” and automated box-making equipment and systems.

Partnering with world-leading innovators Panotec and CMC Machinery, we supply your business with the revolutionary on-demand packaging system and corrugated fanfold material, so your business can make the right-sized shipping box in your own facility, every time.



Designed for companies that ship simple to a complex and constantly shifting mix of product.

On-Demand Packaging, Why use it?

The Abbe Automation team will work with your business to design the perfect solution to maximise productivity at your premises, ensuring savings in materials, labour reductions and distribution cost.

No need to procure and store "stock" boxes of many different sizes, as the boxes are created specific to the products being packed. All in real-time.



Reduce your:

Material costs

Boxes are custom made according to the product/s being shipped.

Box management

Never run out of the correct box size, eliminating the need to discard obsolete sizes of your packaging.

Freight & shipping costs

Reduce shipping costs and dimensional weight charges.

Warehouse space

Minimal stock-holding required of corrugated material.

Excess and waste

Dramatically reduce or eliminate the need for filler materials.

Ideal for B2B/B2C:

- ▶ E-commerce & Online Retailers
- ▶ Warehouse & Distribution
- ▶ Logistics & 3PL Fulfilment
- ▶ POS Displays & Print Management
- ▶ Automotive & Spare Parts
- ▶ Apparel
- ▶ Furniture & Cabinetry
- ▶ Beauty, Personal Care & Pharmaceutical

**Cardboard Fanfold - Continuous,
cost-effective and highly versatile.**



Feed the solution with Abbe

Manufactured in-house at Abbe, fanfold corrugated board is an essential component for the on-demand packaging system.

Fanfold is a continuous corrugated material that fits perfectly in a wide range of packaging processes, to create infinite range of box styles and sizes.

By printing your brand directly onto the corrugated cardboard fanfold, your packaging becomes a cost-effective and versatile marketing tool.

Speak to our team to discover more!

03 9301 8800 sales@abbe.com.au www.abbe.com.au

“ We installed the Panotec EVO Automated Packaging Machine, supplied & supported by Abbe Corrugated, in February 2020. During that time it has enabled us to...

1. Rationalise our corrugated cardboard packaging from 29 styles and sizes to just 4 widths of continuous (fanfold) corrugated cardboard.
2. Through this rationalisation reduce our overall cost of cardboard packaging purchases significantly.
3. Use the Panotec to refine and develop new packaging styles without the added cost of tooling or impact of supplier response times.
4. Rapidly respond to our frequent changes and significant peaks in production demand, producing packaging today for use tomorrow. ”

GERARD GEOGHEGAN
General Manager – PMI Imageworks



EVO

The Next Generation of Innovation

EVO is the latest generation in packaging machinery. Created by the department of research and development, in conjunction with the electrical and software department, utilizing over 30 years of experience.

Designed for easy, low-cost maintenance and low noise levels.

Suitable for:

- medium to big sized enterprises
- medium-high productivity requirements
- more than 4 boxes per minute
- for production in batches or requiring high flexibility



NEXTMODE

The World's Best Machine for Packaging on Demand

NEXTMODE is the best machine for packaging on demand, perfect for its extremely high performance and reliability. On the international market this machine has been available for over ten years and it has been chosen by the biggest global brands to face the challenges of the market.

Suitable for:

- big enterprises
- high productivity requirements
- production of more than 10 boxes per minute
- for production in high flexibility

Optional Add-ons

- ▶ Gluing and closing
- ▶ Measuring
- ▶ Labeling and Identification systems
- ▶ Print on-demand
- ▶ Modular Automated Fanfold Stock Magazine
- ▶ Software Applications

1. Gluing & Closing

Automated glueing station for slotted boxes.

- Egluer
- Flexogluer
- Vary pack



EGLUER

2. Measuring

Measuring station that detects the dimension or composition of products.

Automatically producing the right size packaging.



SCANPACK

Integrated station for dimensional measuring.



3EVOSCAN

Powered by

PANOTEC™ MECCANICHE ITALIANE

The Tech



MIDI

Small Footprint and High Performance

MIDI is the solution for high volume output with limited space.

Perfect for companies producing small to medium box formats in many different sizes.

Suitable for:

- small to medium-sized companies
- medium productivity requirements
- more than 4 boxes per minute
- production of small batches or requiring flexibility



COMPACK

High-Level Technology for Packaging on Demand

COMPACK combines technology and savings.

A perfect tool for companies that need to produce medium to small batches or a small number of boxes. The machine is easy to operate and features the reliability of Panotec Systems.

Suitable for:

- small to medium-sized enterprises
- need for medium-low productivity levels
- more than 2 boxes per minute
- production of small batches or in requiring flexibility

High Tech, High Speed, High Volume.

“ We installed our first CMC Cartonwrap in 2018, supplied and supported by Abbe and have continued to expand our installed CMC machine base. CMC’s 3D packaging technology provides highly efficient automated equipment that optimises individual package sizes, giving us material and distribution costs savings. The package format provides robust product protection through distribution and ensures customer satisfaction and corrugate cardboard ticks our sustainable and recyclable materials operational targets. Overall CMC’s technology has been very successful for our e-fulfilment needs ”

ROB CANUTI
Maintenance Manager – Catch.com.au



Winning 20 International Innovation Awards

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CMC CARTONWRAP

Cartonwrap produces boxes from a simple and inexpensive corrugated fanfold in real-time, each one unique to the products being shipped.

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. Labelling systems can be integrated according to shipping method needs.

CartonWrap 1000

Maximum Mechanical Speed
up to 1000 boxes /hr

Cardboard Thickness
3mm – 7mm

Box Dimensions
L: 150mm to 350mm
W: 240mm to 600mm
H: 30mm to 200mm

Fanfold Specs
600mm to 1200mm

CartonWrap XL

Maximum Mechanical Speed
up to 900 boxes /hr

Cardboard Thickness
3mm – 7mm

Box Dimensions
L: 160mm to 600mm
W: 250mm to 800mm
H: 35mm to 370mm

Fanfold Specs
800mm to 1400mm

CartonWrap XS

Maximum Mechanical Speed
up to 900 boxes /hr

Cardboard Thickness
3mm – 7mm

Box Dimensions
L: 100mm to 300mm
W: 150mm to 600mm
H: 30mm to 200mm

Fanfold Specs
500mm to 1000mm

CartonWrap DUO

Maximum Mechanical Speed
up to 900 boxes /hr

Cardboard Thickness
3mm – 7mm

Envelope & Box Dimensions
L: 160mm to 380mm
W: 250mm to 600mm
H: 8mm to 250mm

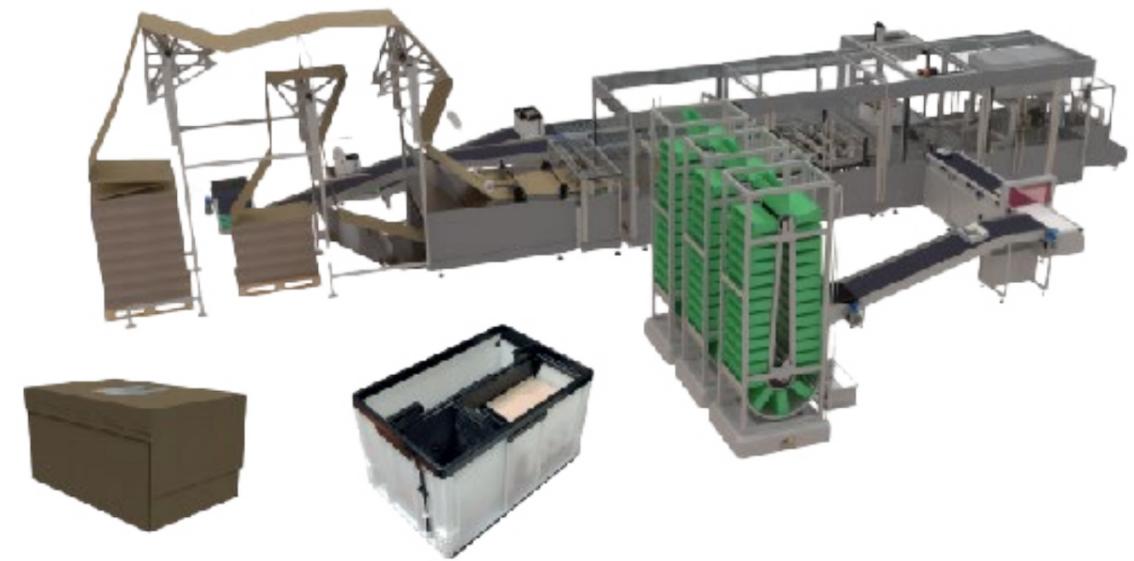
Fanfold Specs
400mm to 600mm



Experience is enhanced through the robust box



CMC GENESYS



CMC GENESYS COMBO

The Next Generation 3D Box On Demand Machine

CMC Genesys is the ultimate solution for packaging automation. By using a plotter to cut and crease the exact box template, CMC Genesys creates a unique box structure that not only uses less cardboard than standard Regular Slotted Cartons but also holds items in position, removing the need for void fill. When the plotter cuts and creases the flat blank, trimmings aren't cut out and discarded, but folded inside the 4 edges of the box creating a containing barrier for multiple items. The end customer experience is enhanced through the box "easy open" and "resealable strip", as the same box can also be used for returns.

CMC Genesys the only auto-packer that can be directly connected to a warehouse storage through the CMC Patented Vary-Tote system. Orders are automatically picked and consolidated in the CMC VaryTote which is directly conveyed to the

Genesys auto packing system. CMC VaryTote features adjustable inner guides used to correctly size the items. This adjustment will determine the dimension of each box which will be unique to each order. This innovative concept allows you to feed and pack multi-line orders without the requirement to be strapped or wrapped together.

As any other CMC auto packing solutions, the machine dramatically saves labour costs and reduces freight/box volumes and cardboard consumption. Just in time consolidation in the Vary-Tote eliminates inefficient offline operations and allows to keep pace with the machine speed thus improving productivity. This new fully automatic technology eliminates any loading and human operations and improves the customer experience, delivering orders in perfect size, sustainable boxes.

Genesys

Maximum Mechanical Speed
850 boxes /hr

Cardboard Thickness
3mm – 7mm

Fanfold Specs
from 600mm – 1000mm

Box Dimensions
H= 60mm to 290mm
L= 210mm to 380mm
W = 270mm to 560mm

Genesys Combo

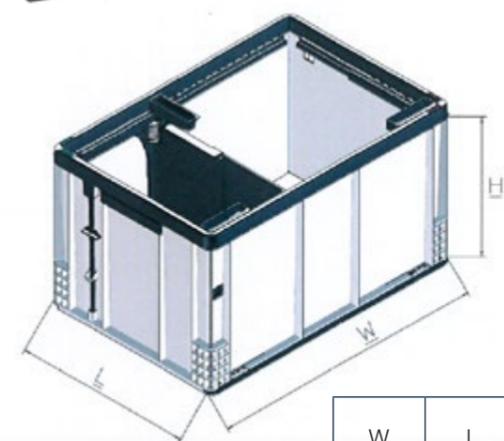
Maximum Mechanical Speed
850 boxes /hr

Cardboard Thickness
3mm – 7mm

Fanfold Specs
from 600mm – 1000mm

Box Dimensions
H= 60mm to 290mm
L= 210mm to 380mm
W = 270mm to 560mm





	W	L	H
MAX	540	340	280
MIN	220	200	...

Images used for illustrative purposes only

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CMC VaryTote®

The system is based on a new transport tote, fully designed and patented by CMC. CMC VaryTote® features two inner adjustable guides which are used to compact the items to the minimum possible volume.

Thanks to the unique VaryTote® design, the operator can easily and quickly adapt the inner guides to each individual consignment.

The VaryTote® is the perfect solution to collect and pack multiple regular or irregular shaped items within a size range.

Orders are automatically picked and consolidated in the CMC VaryTote which is directly conveyed to the Genesys auto packing system. CMC VaryTote features adjustable inner guides used to correctly size the items. This adjustment will determine the dimension of each box which will be unique to each order. This innovative concept allows you to feed and pack multi-line orders without the requirement to be strapped or wrapped together.

The CMC Solution optional extras

Right options for the right application.

A variety of extra options can be combined to CMC machine platforms to perfectly match any requirement.

Optional equipment can also be retrofitted at a later stage.

Customise your solution with:

- ▶ Double fanfold input
- ▶ Invoice printer
- ▶ Sorters

1. Packvertising

Data driven on-demand packaging and advertising.

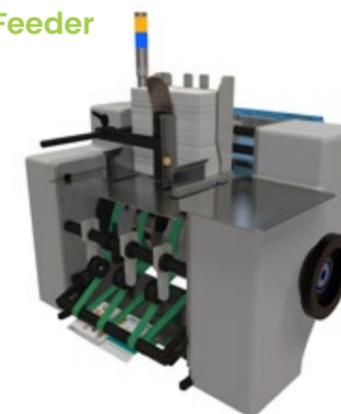


Scan to view CMC Packvertising



3. Catalogue Feeder

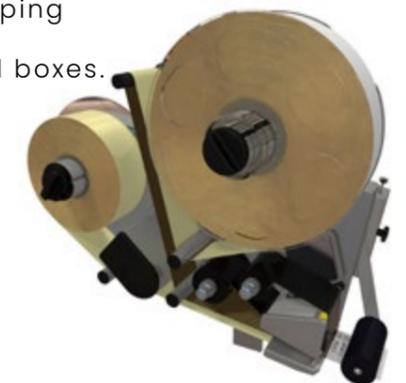
Feeds up to 4 catalogues, leaflets etc directly into the box



Images used for illustrative purposes only

2. Labellers

Print and apply shipping labels to completed boxes.



4. Weigher

Check-weighing system can be retrofitted either in the induct or output conveyor.





Powered by



The new eco-friendly, fully automated, high-volume auto-bagging machine

Paper-PRO CMC's newest logistics technology is designed to automate the fulfilment of single or multi-products in cut-to-size, ready-to-ship paper bags. With the capability to process both Kraft paper and bubble paper, the system offers the same robustness and protection as standard polybags or padded mailers.

Orders are size scanned, and each final bag is custom sized to the length and height of each consignment, reducing wrapping materials and volumes shipped. Bags are sealed with low-impact hot melt glue to guarantee the highest sustainable results. The system can integrate a dispatch note/invoice printing and inserting system, check weighers and different sortation options.

Paper-PRO is designed to easily integrate seamlessly into any customer WMS and WCS. Branding and high

valued personalisation of bags is powered by CMC Packvertizing, a 1:1 full-colour printing technology CMC have developed.

CMC's designed and patented VaryTote, can also optionally be connected directly to the Paper-PRO from a pick area where order items placed into the VaryTote are consolidated just-in-time. With volume-based on each order dimension, the VaryTote arrives at the machine, where the bottom automatically opens and gently drops the consolidated order on the CMC Paper-PRO induct and processed accordingly.

With an output of 2,500 bags/hour, CMC Paper-PRO is the optimal solution for retailers and logistics companies wanting to streamline the e-commerce bagging process, providing high performances in 24/7 fulfilment environments.



The eco-friendly solution to plastic padded mailers

Paper-PRO

Maximum Mechanical Speed
3600 bags /hr

Minimum Bag Size
250mm x 180mm x 5mm

Maximum Bag Size
850mm x 320mm x 180mm
or 850mm x 400mm x 100mm



Scan to view the CMC Paper-PRO in action

More than 30% of e-commerce products are shipped in boxes that are on average, 30-50% too big!



Redefining productivity efficiencies

How Abbe revolutionised Catch.com.au's packing and fulfilment process.

"It was crucial for us to find a reliable machine capable of working fast and reducing waste and damage," said Saar Davidi, Distribution Centre Manager, Catch.com.au.

Corrugated Cardboard manufacturer, Abbe recommended the CartonWrap machines from Italian on-demand packaging machine manufacturer CMC Machinery.

"The machine is just fantastic," said Davidi. "It 3D-scans the item or items to be packaged and makes a box to the exact size required, so we're not sending air. With other machines, we can specify variable box height, but CartonWrap creates a box with the ideal length, width and depth."

Eliminating void has enabled Catch.com.au to reduce the number of forklift movements, Australia Post unique loading devices (ULDs) and truck loads taking place each day.

In addition to producing a box optimised for its contents, the machine can also drop the items in, insert marketing materials, seal the box and affix the shipping label.

OVER 40% reduction in packaging volume, with CartonWrap

