

eCommerce 3D packaging technology

Right-size packaging, in real time

Automated packaging systems

High-speed, high volume

Continuous corrugated fanfold

On-Demand Packaging Solutions



YOUR PACKAGING PARTNER



Please contact the Abbe team
for more information.

03 9301 8800

abbe.com.au



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

Any Box. Sized Right.
Every Time.

As an industry leader in corrugated cardboard packaging solutions, our expertise extends well beyond the manufacture of fanfold corrugated board.

Through our partnerships with Ranpak, EDDA and CMC Machinery, we supply innovative on-demand packaging systems, allowing your business to create right-sized boxes on-site, reducing waste, lowering freight costs, and improving efficiency.



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

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

On-Demand Packaging, Why use it?

Designed for companies that ship
a constantly shifting mix of product.

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.

With the ability to create boxes specific to the products being packed, and in real-time, there's no need to procure and store multiple-sized stock boxes.



Our solutions can help reduce:

Material costs

Boxes are custom made according to the products 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 Fulfillment
- POS Displays & Print Management
- Automotive & Spare Parts
- Apparel
- Furniture & Cabinetry
- Pharmaceutical, Personal Care & Beauty

Solving Your Operational Challenges



Feed the solution with Abbe

Manufactured in-house at Abbe, our 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 fanfold corrugated board, your packaging becomes a cost-effective and versatile marketing tool.

Precision Creasing Technology

Abbe's liquid creasing technology delivers cleaner folds, crack-free edges, and flawless case assembly.

Prior to creasing, a specialised liquid is applied to the corrugated cardboard, allowing better dimensional accuracy, folding and gluing – ultimately minimising system downtime.

A better fold means faster lines, fewer issues, and more time for your team to focus on what matters most.

By taking the time to understand your business needs, products, and processes, Abbe automation solutions can provide immediate value while scaling as your business grows. Our Ranpak Automation solutions provide modular systems that can be customised for your unique packaging environment.



Ranpak Cut'it!™ EVO

Cut'it!™ EVO is a flagship automated packaging solution that both increases productivity and reduces costs. It is a height reduction box closing machine that speeds up packaging and minimises logistics.

Cut'it! EVO finishes up to 15 size-optimised boxes per minute, ensuring very high packing throughput and coping with periods of peak demand. On average, shipping volumes are reduced by 25%, while easily reducing individual package volume by up to 40%. The result is improved operations, happier customers, and better sustainability.

Box Types	FEFCO 0200/452/453
Machine throughput	Up to 15 boxes per minute
Box length	230 to 650 mm
Box width	150 to 450 mm
Box height	Up to 300/470 mm
Box weight	15 to 35 kg
Machine length	3450 mm
Machine width	4228 mm
Machine height	3031 mm

Ranpak Flap'it!™

Integrated packing for small, compact products like books, video games, spare-parts, and small electronics

eCommerce and logistics operations can benefit from outstanding product protection when shipping products. Flap'it!-produced boxes significantly reduce damage during transport and ensure fewer product returns, thanks to integrated cushioning bumpers at box corners.

The Flap'it! packaging concept uses a magazine-fed cardboard blank, which is twisted into a cross. After products have been inserted, the final package height is adjusted for a good fit. The box flaps are folded and glued together with hot-melt adhesive, making the parcel ready to ship. Small parcels can then be delivered via a letter-box.



Capacity	Up to 9 packs per minute
Minimum pack size	244 x 209 x 5 mm
Maximum pack size	325 x 250 x 80
Machine length	4360 mm
Machine width	1480 mm
Machine height	1300 mm*

Ranpak Print'it!

Highly flexible, on-demand, full-color printing

Ranpak's Print'it! machine enables the usage of a single automated packaging line across different brands or multiple clients, and creates customised consumer messaging for every box. Together with an automated height reduction solution it provides on-demand, ready-to dispatch boxes of the right size – all from a single set of corrugated SKUs, which means major benefits to both brand engagement and logistics efficiency.



Machine throughput	Up to 15 boxes per minute
Minimum box size	230 x 150 x 30 mm
Maximum box size	650 x 450 x 470 mm
Maximum box weight	35 kg
Printable area	285 mm wide x box length
Machine length	2728 mm
Machine width	1438 mm
Machine height	2656 mm*

*Height excluding stacklight: 2317 mm

Ranpak DecisionTower™

AI-enhanced quality control to make your end-of-line equipment as efficient as possible.

Ranpak’s specialist DecisionTower™ packaging line technology uses AI-powered detection of out-of-scope boxes, to optimize packing and avoid unplanned machine stops upstream. Tailored to fit your own operation, this solution means that you no longer have to rely on end-of-line operators’ best guesses, and benefits extend still further. You gain crucial data on how to prevent future errors from rough box handling or faulty packaging, and on the actual void levels you are shipping.

Box length	200 – 760 mm
Box width	150 – 500 mm
Box height*	100 – 500 mm

*Including vertical flaps



Ranpak Pad'it!™

Automate the insertion of protective paper pads to offer combination of lowered costs from labor and reduced damage rates.

Ranpak’s Pad’it!™ solution is a proven way to optimize your operation, protect package contents, and ensure happier customers. It is designed to match the requirements of real-world operations while serving as a well-established enhancement to automated packaging lines already using case forming and Cut’it!™ EVO solutions. Because it is a 100% paper-based solution, Pad’it! also adds an extra level of presentation to luxury goods, demonstrating a commitment to sustainability to customers while allowing them to easily recycle their packaging.

Box Types	FEFCO 0200/452/453
Machine throughput	Up to 15 boxes per minute
Optimal box length Short side insert	300-500 mm
Optimal box width Short side insert	300-330 mm
Optimal box length Long side insert	300-330 mm
Optimal box width Long side insert	200-300 mm
Perpendicular Orientation	
Machine length	3139 mm
Machine width	3373 mm
Machine height	3318 mm
Parallel Orientation	
Machine length	3884 mm
Machine width	1831 mm
Machine height	3318 mm



CMC Genesys Compact

As the next generation 3D Box on-demand machine, CMC Genesys Compact is the ultimate solution for packaging automation

By using a plotter to cut and crease the exact box template, CMC Genesys Compact 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

CMC Genesys is the only auto-packer that can be directly connected to a warehouse storage through the CMC patented VaryTote system.

Orders are automatically picked and consolidated in the CMC VaryTote, then 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 with 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 VaryTote eliminates inefficient offline operations and keeps pace with the machine speed, improving productivity. This fully automatic technology eliminates loading and human operations, delivering orders in perfect size, sustainable boxes.



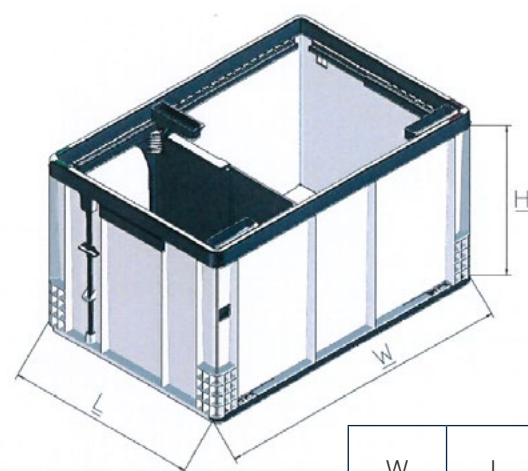
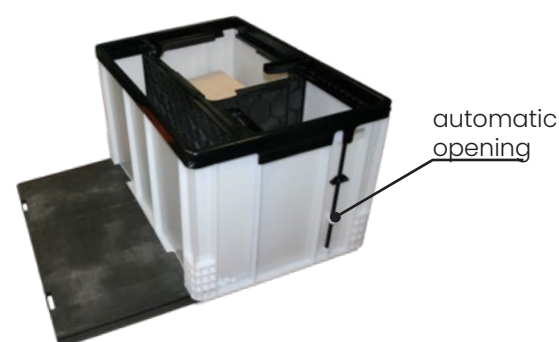
Maximum box throughput	850 boxes per hour
Board thickness	3 - 7 mm
Board width	600 - 1200 mm
Box length	210 - 380 mm
Box width	270 - 560 mm
Box height	60 - 290 mm



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.



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

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

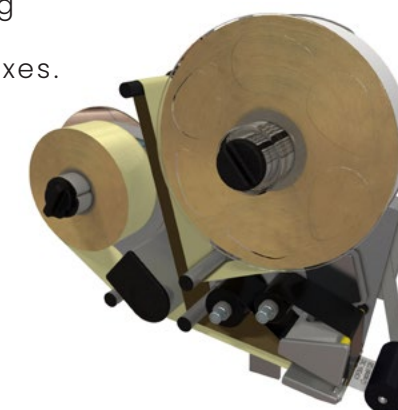
1. Packvertising

Data driven on-demand packaging and advertising.



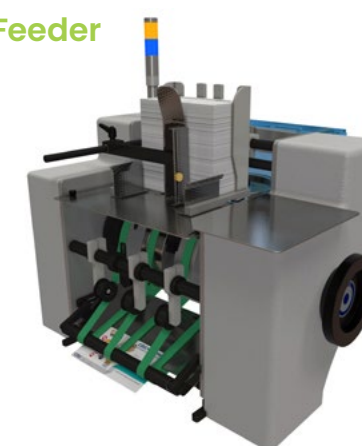
2. Labellers

Print and apply shipping labels to completed boxes.



3. Catalogue Feeder

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



4. Weigher

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



EDDA Neobox & Optibox

Instant, made-to-measure packaging.

The Neobox & Optibox Series of corrugated cardboard cutting machines produce resource friendly packaging solutions. These box-on-demand machines produceright-size cardboard boxes in almost any FEFCO style fully automatically and just in time. In a dynamic process, raw materials are used responsibly, thereby saving packaging and filling material in significant amounts.

Within the Neobox & Optibox range of machines the right solution for every customer can be found from entry-level up to high-performance machines, from standard to complex packaging cutting applications.

Whether it's the axle tool positioning Neobox or belt tool positioning Optibox, each produce precise packaging, with a high volume-utilisation factor and reduced unit costs.

Neobox and Optibox	
Maximum board width	2500 mm
Minimum length	350 mm
Cardboard thickness	2 - 7 mm
Box types	50+



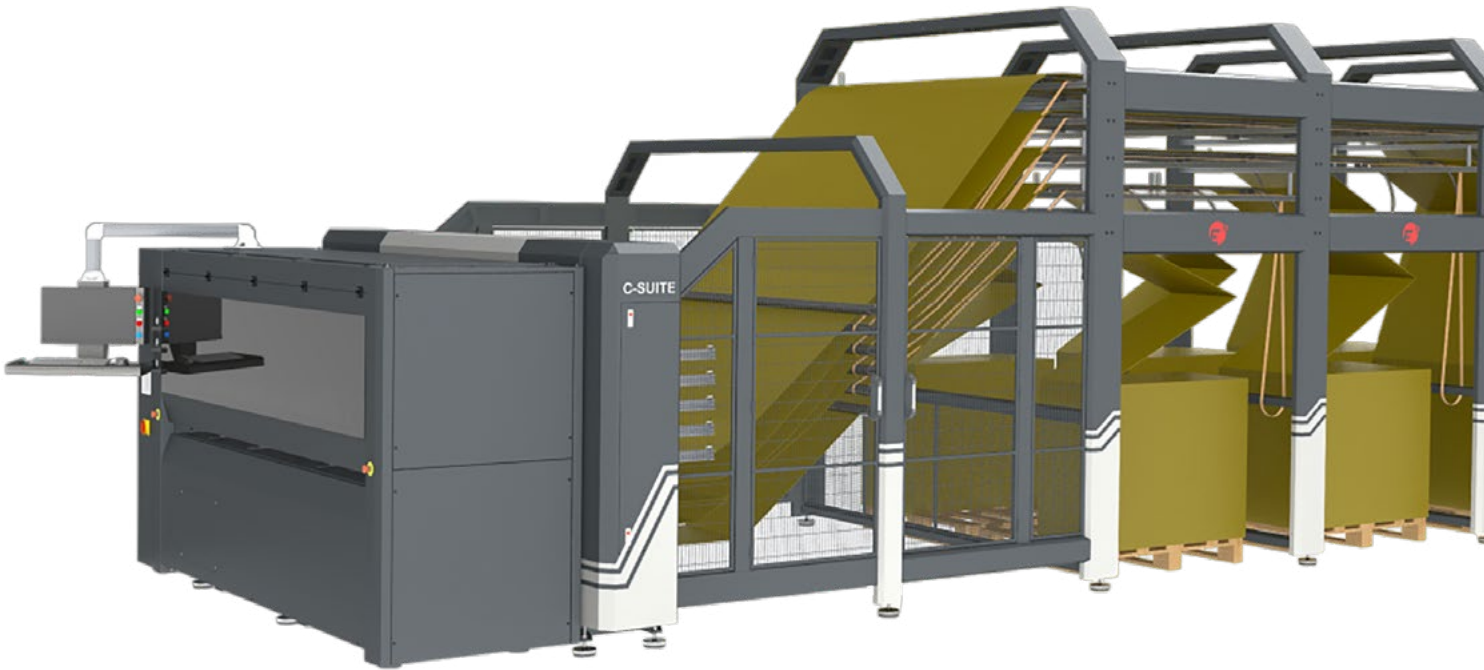
EDDA C-Suite

Fanfold loading for improved productivity.

The C-Suite is an automatic fanfold loader with up to five side-by-side depot bay spaces which automatically select and feed up to 10 board widths into either Neobox or Optibox machine.

Matched with either of these machines, the C-Suite is capable of a maximum 2,500mm working width and suits medium to high productivity requirements. Being ideal for either production in batches or in high flexibility, i.e. box by box, size by size, style by style.

Minimum board width	400 mm
Maximum board width	2500 mm
Cardboard thickness	2 - 7 mm



EDDA SealMaster

Economical, precise box sealing.

The SealMaster box sealing machine incorporating automatic product insertion, hot melt application, and high-quality bonding of the front and sides of the FEFCO 410 box model.

Boxes of different widths move in the direction of the material flow, thanks to the automatic box measurement feature at the machine entrance. In combination with the various hot melt application heads, the glue line is precisely applied at the right length and volume.

Box style	FEFCO 410
Sealing stations	3
Board length	300 - 2800 mm
Board width	100 - 1200 mm
Board height	28 - 250 mm



EDDA Lotis

Precision flatpack and panel-based packaging.

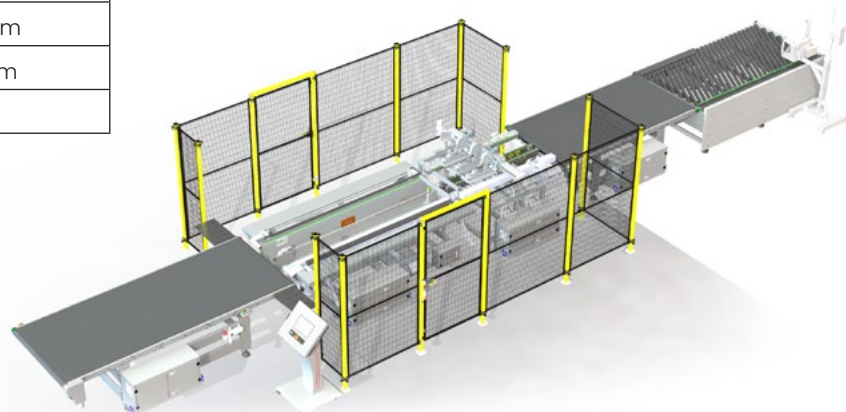
The Lotis fully automatic folding and taping machine packages the FEFCO 401 box model.

A fully autonomous packaging workflow means zero operator intervention following panel positioning.

The Lotis is capable of processing up to 4 boxes per minute (240 boxes/hour) with pinpoint accuracy.

The Lotis ensures products are ready-to-ship faster, safer, and with more efficiency, featuring combined single and triple-head taping for wider panel boxes with optional auto-labelling capability.

Box style	FEFCO 401
Box throughput	Up to 4 per minute
Pack length	196 - 3600 mm
Pack width	250 - 1220 mm
Pack height	18 - 59 mm



Lantech

Our Ranpak solutions are compatible with Lantech Case Erectors.

For more information about incorporating Lantech systems, or for stand-alone case erector solutions, contact the Abbe Automation Team on 03 9301 8800.



