

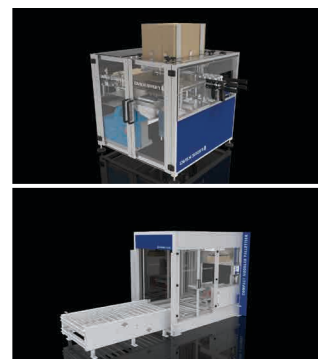


Fibre King Canning Equipment

➤ We have developed specialised packaging equipment for both low and high volume canning facilities and are fast becoming a preferred supplier within this space.

We help our customers build better production facilities within the meat, dairy, beverage, food, FMCG, personal care, pharmaceutical and fresh produce industries. With over 90 years of engineering experience we deliver the international standard in packaging equipment globally and are the leading packaging equipment supplier in Australia.

Call us on +61 73293 8800 to see how we can help you.



Canning Specialists

Fibre King has specialised canning equipment operating in facilities across Australia and are fast becoming a preferred supplier within this space. We have recently added to our canning range and now provide affordable, compact and reliable solutions for both low-medium as well as high volume production facilities.

Our equipment range is customised to suit your facility taking into account available space, seamless integration and budget. Whether you just need your cans packed consistently and efficiently into cases or have an entire production line designed including labelers and fillers we can help. We produce clean, open design machines for easy operator and maintenance access. Best of all, they're easy to use, and there's less downtime.

When implemented effectively, end of line Automation achieves the following benefits for end users:

- Reduced Direct Labour Costs
- Improved Productivity
- Increased Product Quality
- Increased Capacity
- Reduced Risk of Injury

Fibre King machines are designed and manufactured to provide as standard:

Quick changeover times.

Changeovers on Fibre King equipment are fast and repeatable.

Colour touchscreen PLC

Full monitoring of machine status and diagnostics. Remote access via an internet connection allows our engineers to provide immediate assistance from anywhere in the world.

Clean and open design

No product catch points and easy operator and maintenance access.

Robust guarding

Electrical interlocking to Australian and International standards. Give your staff the best protection and **quick access** for clearing jams or setup, maximising uptime.

Quiet operation

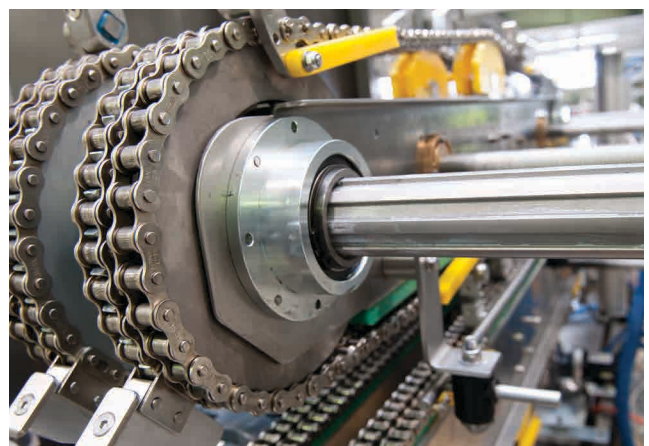
Usually less than 80dB.

Heavy duty construction

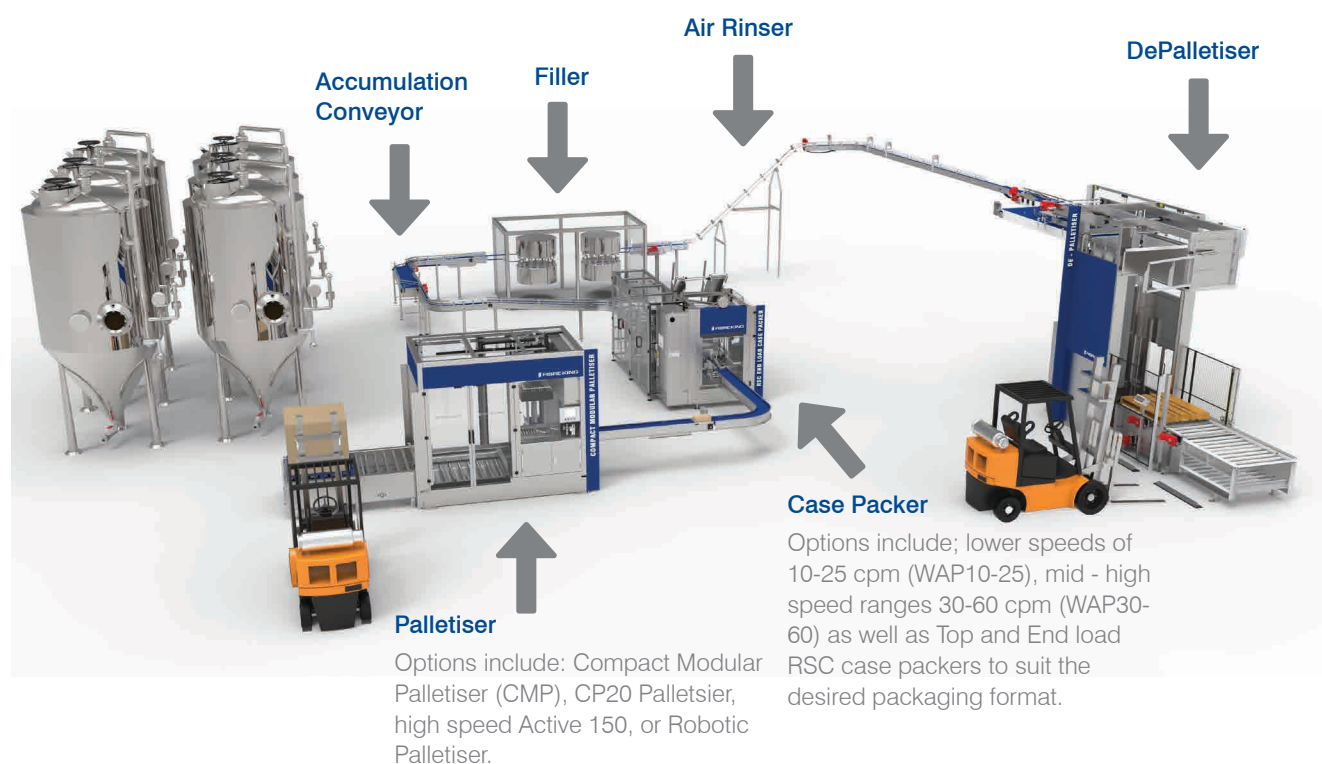
Designed for use in 24/7 production environments – and for a serviceable life of in excess of 15 years.

Reliability and Spare Parts Availability

Only high end proprietary items are used in our machines, ensuring reliable performance and immediate availability of spare parts.



Canning Line Example



“The ‘Little Packer’ operates as a fully automated case erector/packer/sealer and sits at the back end of our canning line. It’s been a very welcomed addition to our set up, with the resources it frees up allowing us to hire for other necessary positions within the company.”

Michael McGovern
Co-founder and Brewmaster at Black Hops Brewery.

Low-Medium Volume

The following information is provided as a guide to the features and capabilities of the Fibre King range of canning equipment.

Our end of line packaging range for canning facilities feature affordable, compact and reliable machines that will ensure your cans are packed consistently and efficiently with less downtime.

Range includes:

Top and End Load Case Packers



Both Top and End Case Packers are compact in design and have an operating speed of up to 15 cpm dependent on the case packer configuration. Dual P&P available.

RSC15 – End Load RSC Case Packer

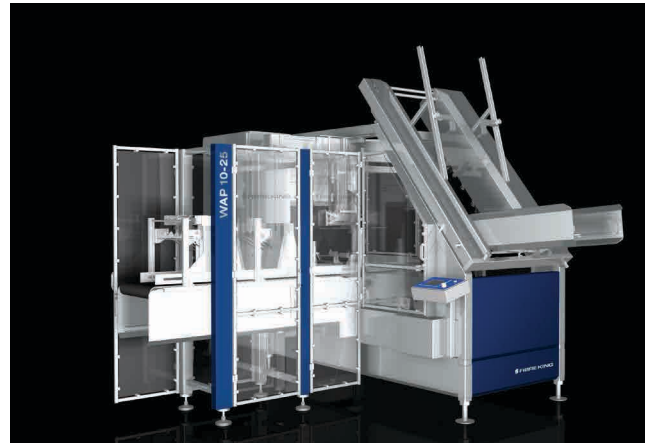
- A geared motor with variable speed drive on the case transport system, pneumatic drive on the vacuum arms and a pneumatic product loader.
- Standard hopper style magazine will hold 75–100 blanks. This can be upgraded to a high capacity magazine holding 175–200 blanks.
- Nordson P4 hot melt applicator (or equivalent), can be upgraded to larger sizes if required. Hot melt sealing is standard, tape sealing available as an option.

RSC – Top Load

- Ideal for multi-product lines with typical changeover times of less than 20 minutes
- Motorized changeover of major components available as an option

Case Packers

WAP 10-25 – Wraparound Case Packer Range



The base model features for both machines:

- Compact footprint.
- 304 Stainless Steel.
- Option to run trays.
- NordsonP4/ P7 hot melt applicator (or equivalent), can be upgraded to larger sizes if required.
- Standard operator interface is via a colour touchscreen.
- Standard hopper style magazine (WAP10-15) will hold 150–200 blanks this can be upgraded to a high capacity magazine holding 350–400 blanks (WAP20-25).

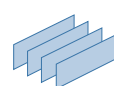
WAP 10-15 – Wraparound Case Packer

- Operating speed up to 15 cpm, infeed/collation dependent.
- A geared motor with variable speed drive on the case transport system, pneumatic drive on the vacuum arms and a pneumatic product loader.

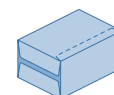
WAP 20-25 – Wraparound Case Packer

- Operating speed up to 25 cpm, infeed/collation dependent.
- A servo motor drive on the case transport system, geared motor drive on the vacuum arms, servo motor drive on product loader horizontal motion, servo vertical motion.

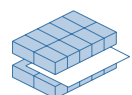
Variations & Options WAP10-25



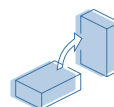
Multi-Lane Feed



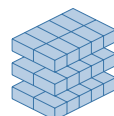
Internal Manufacturer's Flap



Layer Pad Insertion

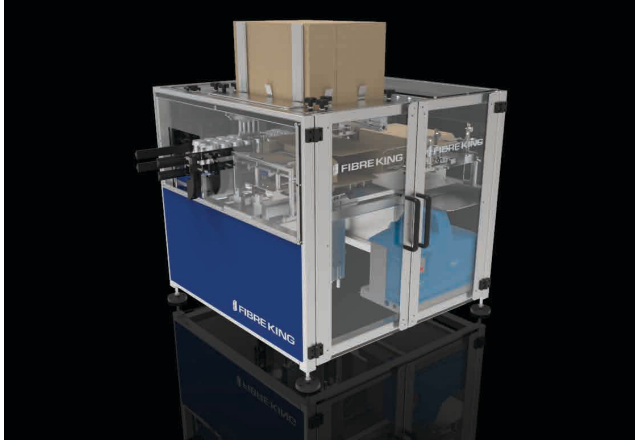


Product Inverter



Multi-Layer Stacking

Little Packer Can Casepacker



Automatic, compact, affordable can case packer. The 'Little Packer' (RSC EL casepacker) packs cans into an end load RSC carton ready for distribution. Cans can either be in 4 or 6 pack clusters with an option to pack loose cans if required.

Speeds

Up to 5 cases per minute.

Can Sizes

375ml and 500ml cans

Cluster Options

4 or 6 pack clusters with an option to pack loose cans if required and can run both 24 and 16 can cartons.

Size

1.2m x 1.2m. Extremely compact design. Can fit into existing manual packing space.

Automatic

Fully automatic operation

Controls

PLC controlled for robust and repeatable operation.

Quick Payback

Budget friendly case packer for quick payback, providing excellent return on investment.

Ease of use

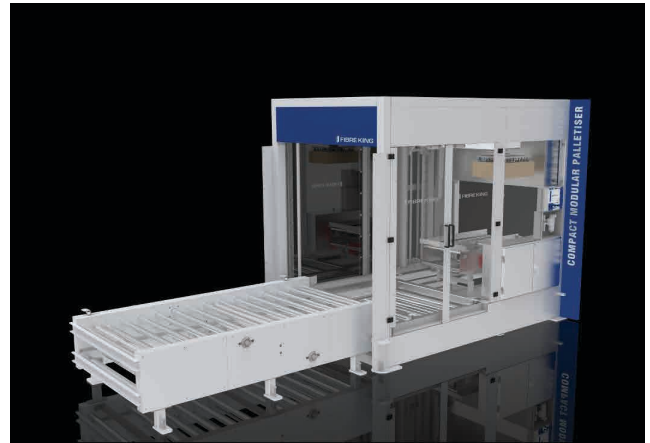
Easy operator and maintenance access.

Fully Installed

Full installation and training provided to ensure minimal downtime.

Palletisers

CMP Palletiser



The Compact Modular Palletiser (CMP) is an automatic palletiser developed for low to mid speed palletising applications. It features a pick and place vacuum gripper which is entrusted to a cantilevered, gantry-style mechanical structure. This mechanical structure in conjunction with an axis-control system, allows the vacuum gripper to palletise the product.

The vacuum gripper head supports a fourth rotation axis to allow complete freedom of movement for a variety of palletising requirements. The standard CMP supports the direct placement of pallets inside the palletiser.

Speeds

Up to 15 cases per minute.

Options

Over Under Pallet Conveyor for automatic pallet Changeover, Empty Pallet Dispenser, End or Side Loading facility.

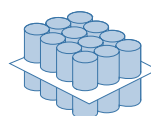
Size

2m x 3m footprint.

Controls

The machine is P.L.C. controlled with full interlocking, and automatic control of operating sequences. In manual mode, the controls allow the operator to override all elements.

Product Options



Cans
(Dual or Single Layer)



Bottles
(Glass, PET or HDPE)

CP20-60 Palletiser Range



Palletisers within the 20-30 range utilise a single row forming conveyor. Whereas in the 40-60 cases per minute range a dual row forming conveyor is utilised.

This (typically) halves the number of row pushes to form a layer. Normally Fibre King supplies an incline conveyor and a 1:2 lane channeliser to split the cases.

Speeds

The 20/30/40/60 designation reflects the maximum speed the palletiser could achieve on an optimal pattern.

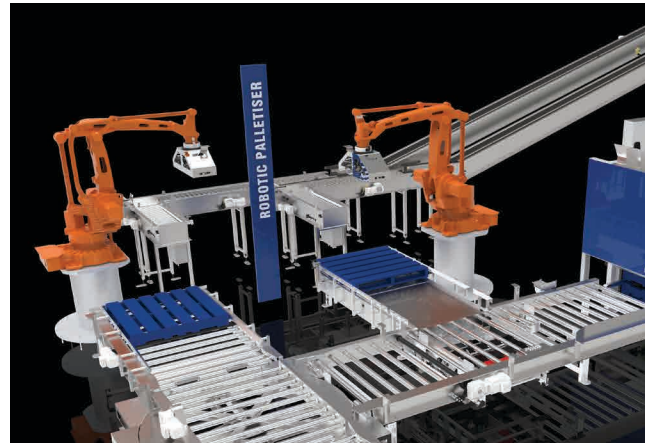
Materials

Fibre King can provide the palletisers either in painted mild steel or 304 stainless steel.

Standalone Machines

For single line applications the palletisers are supplied as standalone machines, including empty pallet dispenser (10 pallet capacity) and 2 or 3 full pallet gravity outfeed conveyor. Pattern changes are made via the touchscreen with handwheels to adjust the datum fences. Typical changeover time is 2 minutes.

Robotic Palletiser



Building on our 50 plus year history of case and pallet handling systems, we offer a range of robotic palletisers. Utilising the latest in robot and gripper technology we can deliver a completely integrated solution.

Standalone Robot

In its most basic form a single robot with an advanced gripper can be used to unstack empty pallets, place pallet boards and/or slip sheets and palletise cases. This can be done either directly on the floor (for hand trolley/forklift/LGV removal) or onto powered pallet conveyors.

Modular Systems

One or more robots can be integrated with a remote pallet dispenser and pallet handling equipment to deliver a large and flexible system

Benefits

- Reduction in labour cost
- Reduction in injuries and associated costs
- Improved pallet presentation/reduced product damage
- Removal of human intervention in product sorting
- Ability to operate in poor work environments

De-Palletisers

Mechanical



Product Type: Cases, cans, bottles

Speed: Up to 6 layers per minute

Options: Layer sheet removal, pallet board removal, empty pallet stacking and operator platforms

Robotic



Product Type: Cases, cans

Speed: Up to 6 cycles per minute

Options: Layer sheet removal, pallet board removal, empty pallet stacking

Features: Incorporated vision system, product singulising

Medium-High Volume

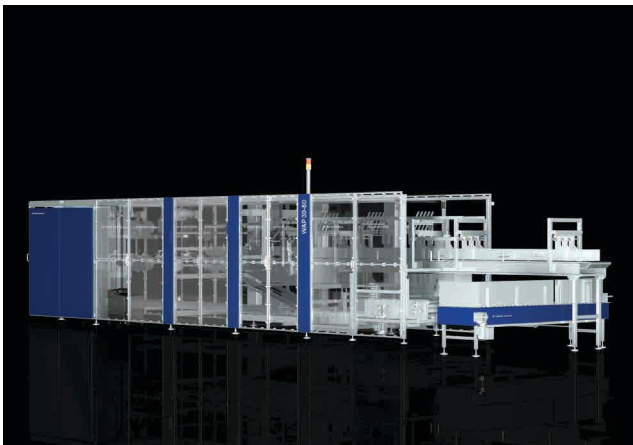
The following information is provided as a guide to the features and capabilities of the Fibre King range of High Volume canning equipment.

Our end of line packaging range for mid to large canning facilities was designed for high volume, high speed facilities.

Range includes:

Case Packer

WAP 30-60 – Wraparound Case Packer



The Fibre King Continuous Motion Wraparound Case Packer is robust in design and reliable in operation. Designed to accommodate a variety of product types, in a large range of case sizes and configurations, for many high speed industries and is ideal for high volume canning lines.

An advanced control and servo drive system results in speeds of up to 60 cases per minute, whilst the collation, case closing and compression system ensures clean and accurately squared cases every time. Quick change over mechanisms, including motorized adjustments of major machine elements makes the WAP30-WAP60 Range ideal for modern flexible production lines.

Our top of the range mechanical Case Packer features:

- Maximum operating speed 60 cpm, infeed/collation dependent.
- 304 stainless steel construction as standard.
- Option to run tray and case.
- Motorised changeover of major components as standard.
- High capacity magazine holding 800–1000 blanks, with unlimited capacity to expand.
- Nordson P10 hot melt applicator (or equivalent), can be upgraded to larger sizes if preferred.

Palletiser

Active 150 Palletiser



The Active 150/225 utilises all of the proven elements that make Fibre King's mechanical palletiser range so successful, and combines them with the Intralox ARB™ Pallet Layer Former Series 7000 or 7050 series.

Speeds

Speeds of up to 150 cpm, Options for 225 ppm.

Fully Automatic Operation

Allows for unattended operation with automatic product changeover via the HMI or factory management system, further improving safety and maintenance requirements.

Pattern Versatility

Upstream case turning allows for infinite lane diverting positions and extremely flexible pattern forming.

On The Run Pattern Change

Pre-programmed pattern selections and automatic mechanical adjustment mean multiple product lines are easily accommodated.

Customised Pallet Handling System

Pallet handling can be customised to suit specific line or factory requirements. System can tie into existing pallet handling or be completely autonomous.

Advanced Control System

With option for remote access and diagnostics.

Accurate and Consistent Stacks

Achieved through four-sided layer compression during stacking.

Versatility

Provided through a wide range of ancillary equipment combined with choices in pallet handling and many other components.

The Fibre King Difference

> More Uptime

Fibre King works closely with customers to understand their specific requirements and collaborate to develop a solution that exceeds production expectations. Our equipment combines practical design, robust manufacturing and simple operation providing our customers with a thoroughly reliable machine built to endure constant, rigorous use. Changeovers happen quickly and seamlessly; we build in easy access for maintenance and upgrades. Our remote monitoring, PLC programming and service standards are such that some of the world's biggest companies choose Fibre King as their preferred supplier.

> Lower Overall Cost of Use

Fibre King uses the best technology available combined with over 90 years of engineering experience to build machines with both the operator and maintenance team in mind ensuring less operator intervention is needed and offering easy maintenance access. Our equipment is designed to be able to integrate with existing production lines as well as being adaptable as requirements change over time. Fibre King has proven results for providing reliable, high quality machinery that stands the test of time with machines in full operation 30 years on. Our solutions provide reduced direct labour costs, improved productivity, increased product quality, increased capacity, and reduced risk of injury.

> 'No Excuses' Service

Your investment in a Fibre King machine is backed by our full service warranty, operator training and ongoing support. We're on hand to make sure your production line is working at maximum capacity from the date of commissioning, no matter what it takes. Sophisticated remote access means we can monitor performance of our equipment anywhere around the world, and provide immediate technical assistance.

“Equipment failure can mean millions of dollars in lost profits for Amcor customers. Reliable, flexible, serviceable products are what we look for from our preferred partners - Fibre King consistently matches our requirements.”

Mark Krygger, Orora Group



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