



RANGE

## Packaging Equipment

Product Range | Services Guide

**FOODMACH**

Automation | Robotics | Integration | Turnkey Projects

# GO FASTER

Is your packaging line optimised to its full potential?

Foodmach's comprehensive range of packaging automation and in-house expertise means we can help you with every aspect of your production line.

You'll deal with just one supplier who takes full responsibility for the entire project. Our speciality is line integration, so we'll ensure that any new equipment is completely integrated into your existing line with a high-end line control system. Our dedicated team of mechanical,

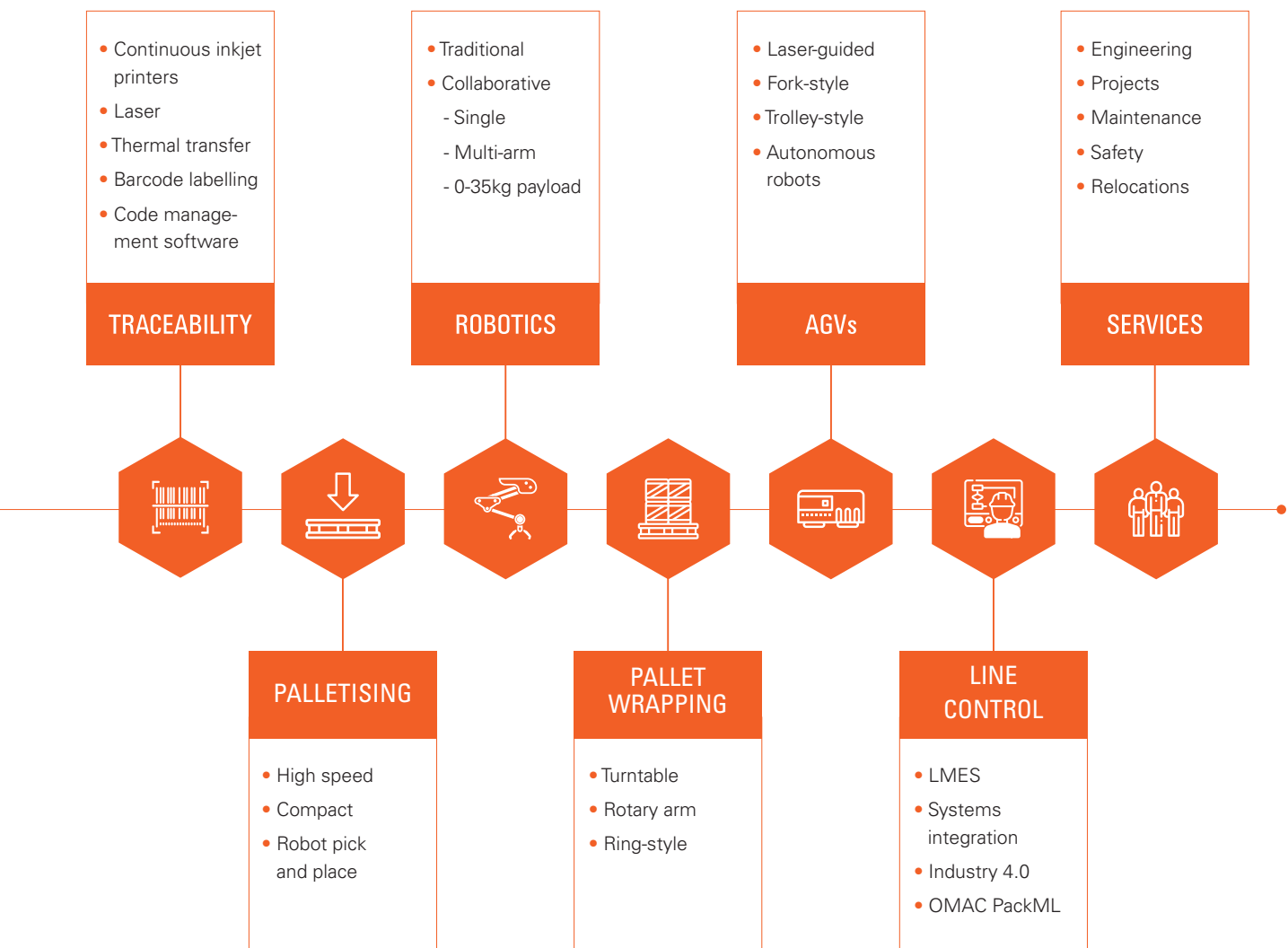
electrical and safety-accredited technicians, engineers and software programmers are leaders in digitisation for Industry 4.0.

Have a chat with us about your challenges. We'll help you improve your manufacturing productivity and maximise overall equipment effectiveness.



*'Foodmach worked with us to deliver an incredibly compact and flexible full packaging line.'*

**Capital Projects Director, Lion**





# DEPALLETISING



Beer glass/can depalletiser

## FOODMACH DEPALLETISERS

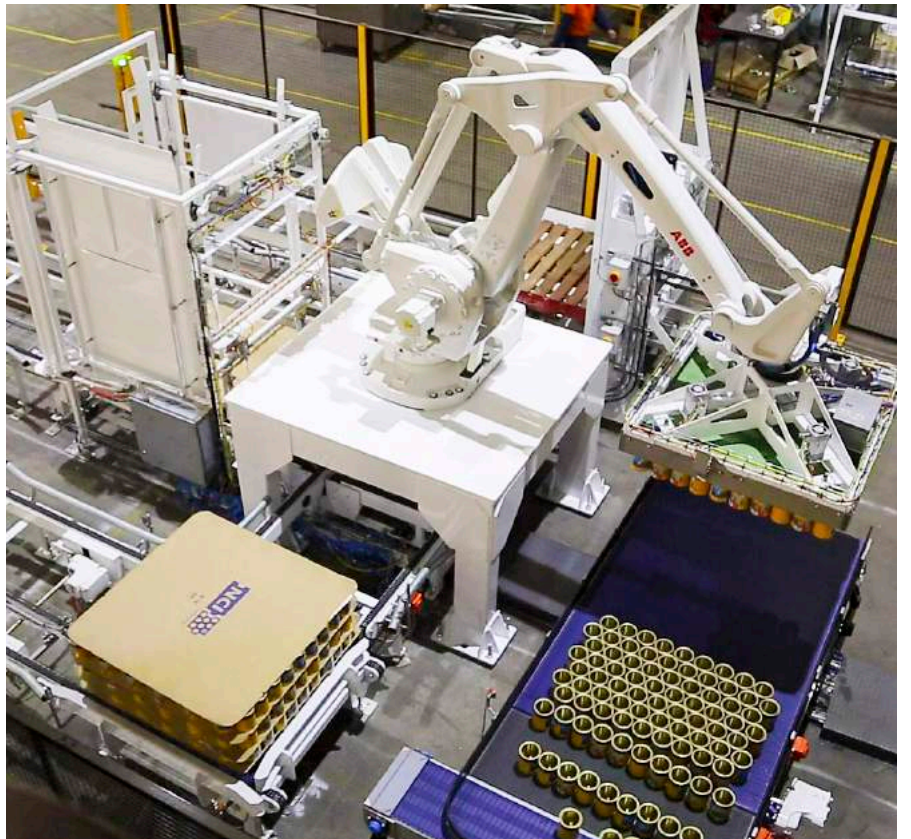
Trusted by the biggest names in food and beverage. We offer:

- mechanical high-level
- mechanical low-level
- robot pick and place

for flexible depalletising of shrink, trays, multi-packs, cartons, cases, bags and open trays. Foodmach's mechanical range gently handles glass, cans and PET in a single machine, ensuring a



Low-level glass depalletiser



Paint can depalletiser





20L drum depalletiser

noticeably quieter working environment. Multiple lines can be connected to one depalletiser.

Robotic pick and place depalletisers may be combined with vision systems to scan and validate product label to production SKU request and ensure correct orientation of non-uniform products.

Our bag palletiser is unique in the market for its reliable handling and orientation.



Bag depalletiser



High-level glass depalletiser



# CONVEYING



High-speed beverage can conveying



High-speed beer can conveying with control, mass flow merge and divider units

## FOODMACH CONVEYORS

Packaging lines are only as fast as their conveyors. Foodmach offers the latest in conveyor technologies, custom-built to handle any type of product or packaging:

- containers (PET bottles, glass and cans)
- case and tray (cartons, multi-packs, shrink-packs, open trays)
- pallets

We also specialise in conveying control systems.



Case conveying





Shrink pack conveying



Bottle conveying



High-speed bottling lines



Carton conveying



Can check weigher conveying



Winery conveying



PET conveying



Glass/tray/shrink conveying



Pallet conveying for turn-key logistics line



# FILLING



ALL IN ONE Filler

## GEA VIPOLL ALL IN ONE

A rinser/filler/seamer/capper in one machine, designed to handle cans, glass and PET bottles.

- revolutionary fast format changeovers
- fills carbonated and still beverages: beer, soft drinks, wine, spirits, juice, water.
- perfect for small and medium-sized plants, i.e. craft brewers
- universal grippers for glass, PET and cans (no change necessary)





# INSPECTION

Quality, safety and efficiency is critical when filling and packaging food, beverages and pharmaceuticals.

Modular solutions from our preferred partners put these key factors into practice simply and effectively.

Our range of inspection systems for:

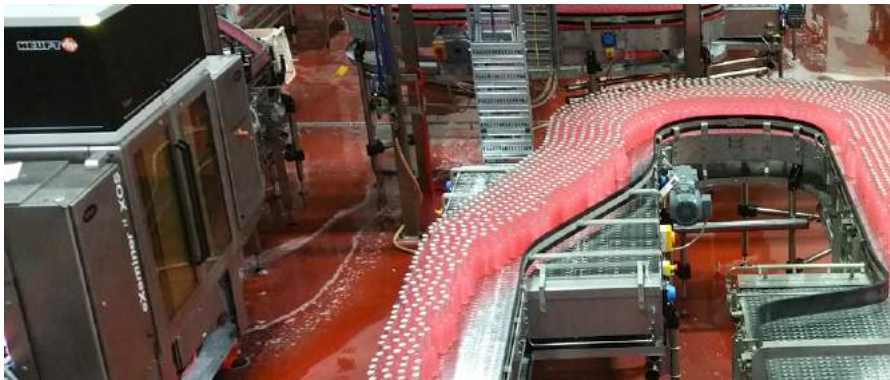
- empty containers
- full containers
- vision
- and x-ray

will ensure that only perfect products reach the market. We believe inspection systems should be affordably priced and offer the best available value.

We use the latest technology from global suppliers to give you the best possible result.



Empty bottle inspection



Full container inspection



Check weigher



Fill height inspection system



# LABELLING



Markem-Image Print & Apply

Foodmach integrates labelling equipment from any OEM (original equipment manufacturer) with existing packaging lines. We also partner with:

## PE LABELLERS

Product Labelling: print and apply

## MARKEM-IMAJE

Product Labelling: print and apply



GS1-compliant labelling



PE Labellers: all existing and new labelling technologies



# CASE PACKING

We offer case packing equipment at up to 100 cases/minute, from our in-house Robomatrix range or a range of quality manufacturers such as Somic, Ocme, Prismatic and Dimac.

We're happy to integrate case packers from any original equipment manufacturer of your choice and supply the bulk of the line.

## ROBOMATRIX®

- Wraparound
- RSC
- Shelf-ready
- Shrink

Robomatrix case packers are designed to handle all sizes and configurations of product and RSC cases—at any speed—with rapid changeovers.

The technology is both proven and award-winning and comes with the extra advantage of Foodmach's integration expertise.



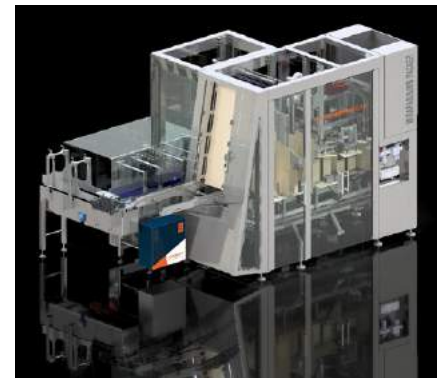
Compact Robot Packer



RSC Top Load



Robotic Pick and Place



NEW! Wraparound Packer



Shelf Ready



# TRACEABILITY



## MARKEM-IMAJE

### Primary Product Coding:

- small character continuous inkjet
- thermal transfer overprinters
- laser coding

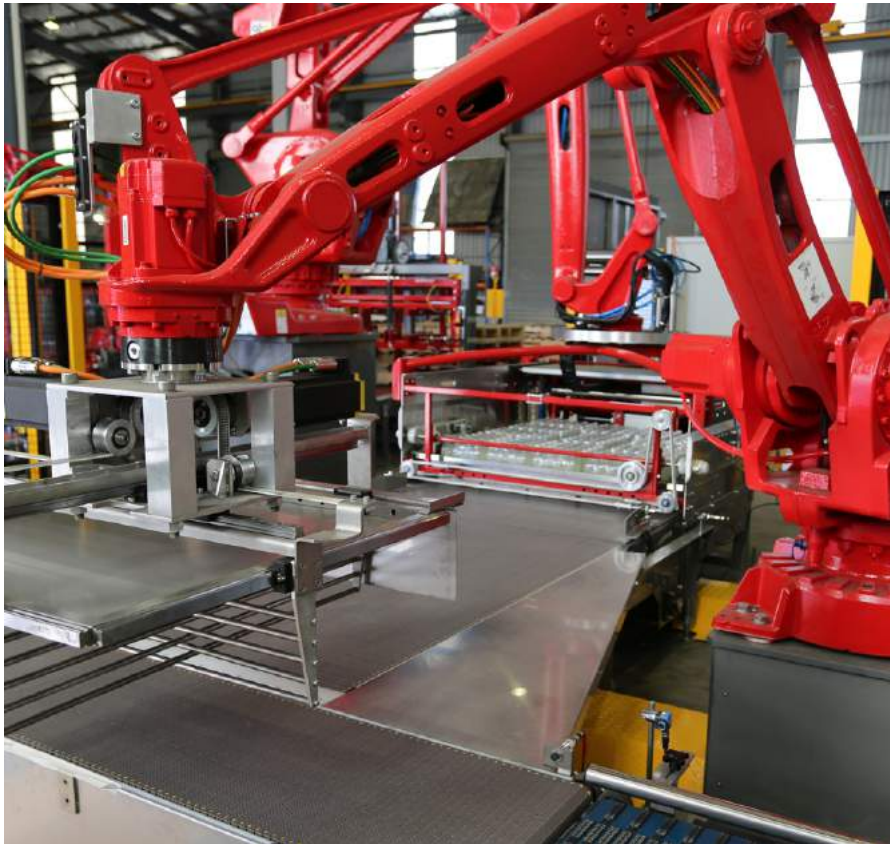
### Case Coding & Labelling:

- print and apply labelling
- large character high res inkjet
- large character valvejet
- large or small character thermal inkjet

Code Management Software



# PALLETISING



High-speed, low-level with compact head (static pattern-forming)

## ROBOMATRIX®

Award-winning, Australian-made and supported palletising:

- high-speed / high and low-level
- compact / low-medium speed
- pick and place / low-speed

We have a palletiser solution for any challenge and all our systems provide flexibility with pallet patterns. Robowizard® makes changing pallet patterns easy. Just ask us.



High-speed, high level with track and grip head (dynamic pattern forming)



Medium-speed



High-speed, low-level with track and grip head (dynamic pattern forming)



Cask line compact pick and place





Medium-speed pick and place



Medium-speed pick and place



Pick and place bag palletising



8-line centralised medium-speed pick and place



Medium-speed compact



# ROBOTICS



## COLLABORATIVE

Designed to work alongside humans:

- single and multi-arm
- payload of 0-35kg
- easily programmed
- from any supplier

## CONVENTIONAL

Any size/payload.

- from any supplier
- certified channel partner ABB
- official system partner KUKA Robotics

Collaborative robotic arms



Conventional robotic arms

# PALLET WRAPPING



Ring style



Turntable



Ring style



Rotary arm

We partner with global leaders in stretch wrapping, Robopac Systems, to bring you a range of quality automated pallet stretch wrapping solutions.

## ROBOPAC PALLET WRAPPERS

- turntable
- rotary arm
- ring style

at up to 130 pallets per hour.

A correctly-specified pallet stretch wrapper can easily keep up with overall production without creating a backlog of unwrapped pallets, will reduce film usage and reduce damaged product in transit.

Robopac's Cube Technology™ applies precisely the right amount of film in the correct position with the right containment force. It provides 30-55% film savings using multi-variable pre-stretching of film, which is strategically placed where it has the greatest impact on load containment.



Rotary arm



# AGVs



Autonomous Mobile Robots

## AUTOMATED GUIDED VEHICLES

- laser guided
- fork-style
- trolley-style
- autonomous mobile robots
- follow-me mode for order picking
- scissor lift
- trolley tunnelling
- unit load and towing for trolley movement



Reach Truck LGV



LGV Forklift



Load Stabiliser LGV



# LINE INTEGRATION



Industry 4.0 connectivity



Systems integration



Line integration



Line MES

Integration refers to both the conveying that connects equipment as well as machine to machine communication.

Not all integrators handle all mechanical, electrical, software and automation aspects of a project. Foodmach has an in-house team of specialists that will ensure that machine software is correctly programmed, that it works together with every machine on the line, which in turn works with all the others. We can also install simple line control systems

and line MES (Management Execution Systems) to make changeovers easier, implement recipe-driven settings, manage conveyor speeds and connect single lines into plant automation systems. We go beyond that to full digitisation for Industry 4.0 connectivity.

If you've been thinking about how to upgrade your line to meet new industry standards, start with a line audit. We'll provide you with options to meet your budget.



Line Control



# SERVICES



Electrical services



Factory and equipment relocation



Systems audits



Maintenance support

Our in-house support offerings cover the full range of services from maintenance, repairs, troubleshooting, spares, updates and modifications for new production runs.

We also provide safety and factory relocation services. Foodmach Service Engineers are specifically trained in the fast-moving and dynamically-changing packaging industry. We offer maintenance programs to suit your budget, engineering diagnostics and design and audits for line efficiency.



Remote/phone support



Safety services

# WHAT CAN WE DO FOR YOU?



## PALLETISING

### Our Award-winning Range

**Robomatrix®** High Speed

Compact **Robomatrix®**

Pick & Place

Robot Pick & Place Depalletiser

Mechanical High Level Depalletiser

Mechanical Low Level Depalletiser



## CONVEYING

The latest in conveyor technologies, custom-built to handle any type of product or packaging:

Container Conveying  
(PET bottles, glass and cans)

Case & Tray Conveying  
(cartons, multi-packs, shrink-packs, open trays)

Pallet Conveying



## ENGINEERING & PROJECTS

Engineering Diagnostics & Design

System Design 3D Simulation

Automation & Control Systems

Equipment Manufacture

Installation & Commissioning  
(mechanical, electrical & software)

Total Project Management

Line Efficiency Audits



## TECHNOLOGY PRODUCTS

Inspection Systems

Collaborative Robots

Conventional Robots

Fillers

Labelling and Coding

Case Packers

Pallet Wrappers

AGVs



## SAFETY

Risk Assessments

Safety Upgrades

Compliance

Reporting



## CUSTOMER SUPPORT

Maintenance Support  
(major service, system audit, robotics)

Operator & Maintenance Training

Remote Phone Support

Spare Parts Service

24/7 Support Programs  
(mechanical, electrical & software)



## LINE INTEGRATION

Industry 4.0

Systems Integration

Line Control

Line MES

OMAC PackML



## RELOCATION SERVICES

Factory

Equipment

End to End Service

## CONTACT US

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**At Foodmach,  
our challenge is to put you  
behind the wheel of the fastest, most  
powerful production line solution possible.**

One that gives you real-time information and gets you to the finish line first. We guarantee you speed – speed of service and delivery because we're local manufacturers and do everything in-house, and higher operational speeds through better technology tailored to your exact requirements.

And we guarantee control – better project management control through a single point of contact and better machine control through the industry's most user-focused operation and software solutions. We integrate all the equipment on your line and give you more live data than ever before.

Control over operational safety too, because we're the safety experts and we make the safest machines in the business. We'll even relocate your entire factory and get you safety compliant.

**Foodmach is the fastest way to get control  
of your packaging line.**

**speed + control | ability**