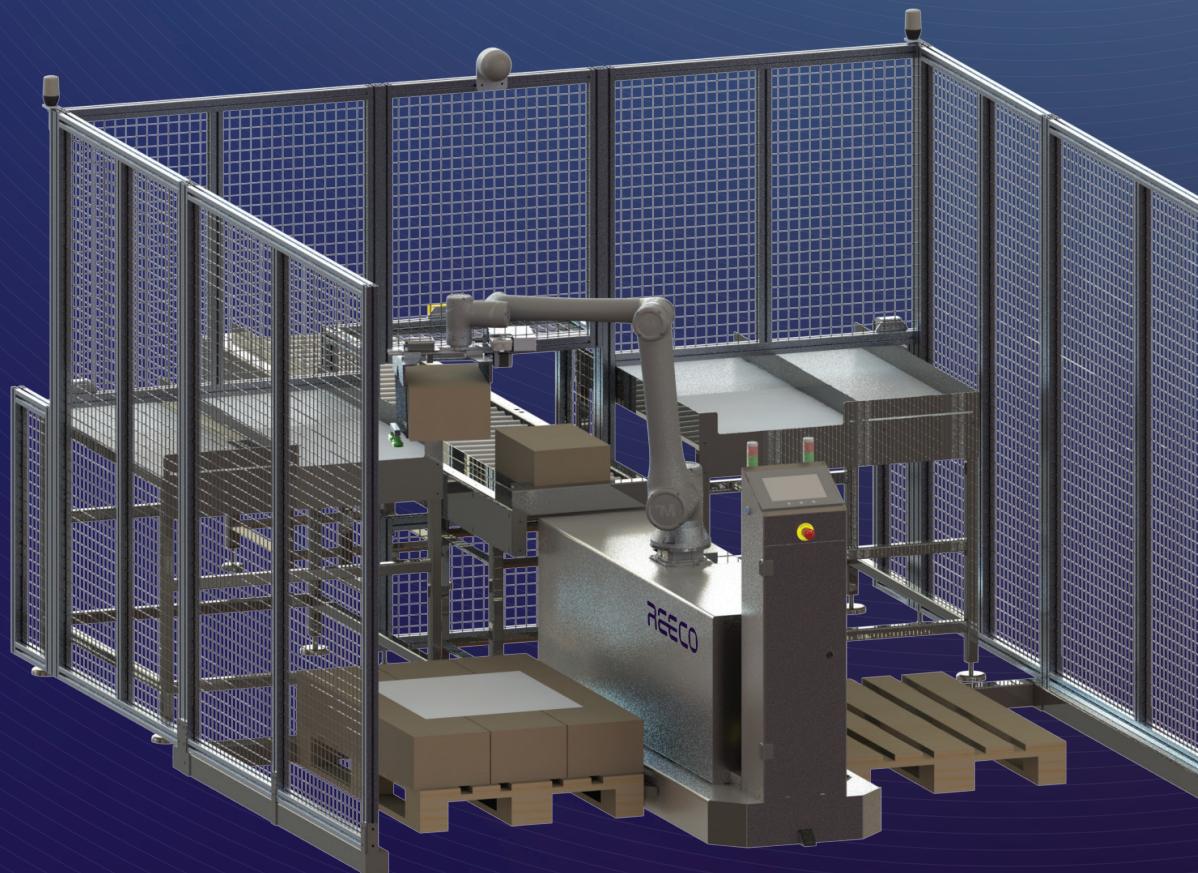


RB palletisers

Industry's most advanced
localised palletising



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Powerful robotics packed into a small space.

If your production involves palletising of large quantities of inventory, automation enables enhanced efficiency and dependable operation.

RB Palletisers combine impressive functionality with simple operation. Capable of more complex executions than all other cobot palletisers, they stand in a class of their own. But despite their advanced capability, they take up very little space, can be integrated swiftly, and offer exceptional ease of use. Read on to discover how they could transform your end-of-line process.



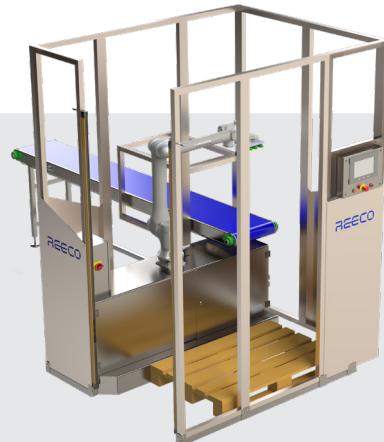
Reeco was appointed the UK solution partner for OMRON in 2019. We have worked in partnership with them to develop cutting-edge localised automation solutions.

The RB Palletiser series

Three models offering different capacities but all the same advanced functionality.

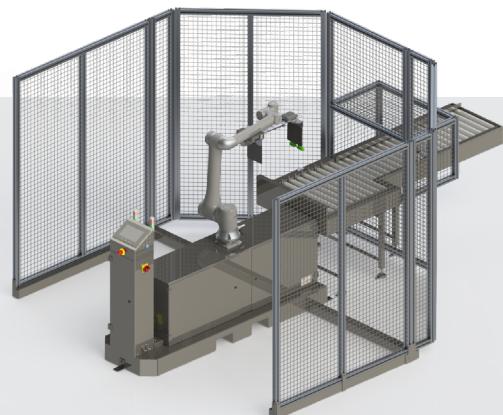
CB2000

Occupying an exceptionally small footprint, the CB2000 provides palletising efficiency in even the tightest factory environments. Equipped with OMRON TM12 or TM20 collaborative robots, it has a payload of up to 20kg and a reach of 1300mm, providing strong capability despite its small size.



RB1200

The RB1200 Palletiser features an OMRON TM12 collaborative robot, providing a reach of 1300mm together with a 7th axis lifter for full reach across all suitable pallets. With a payload of up to 12kg, the RB1200 comes with integral safety features, and can be swiftly installed using plug-and-play connectivity.



RB2000

The RB2000 is equipped with an OMRON TM20 collaborative robot, which provides a payload of up to 20kg for more demanding loading requirements. It has a reach of 1300mm which covers all suitable pallets via the 7th axis lifter. Safety features are inbuilt and integration is swift with plug-and-play connectivity.



The benefits of RB Palletisers

Automating your palletising operations brings significant advantages over manual loading, including greater productivity, improved reliability and cost savings. But what gives Reeco's RB palletiser the edge?

User-friendly interface

The pre-programmed HMI provides easy access to pallet-build plans with minimal operator interaction, even providing language options for ease of use.

Adjustable end-of-arm tooling

The unique servo gripper adapts effortlessly to different packaging configurations entirely via the software. Where a change of tool is required, our quick-release system makes it easy.

Superior on-board processing power

An integral IPC enables the RB Palletiser to handle more complex processes at speed than other localised palletisers, without strain on the cobot arm's own processor.

Pre-programming of recurring jobs

All product SKUs can be pre-programmed, so switching between products and pallet plans is simply a button selection from the intuitive interface.

In-built safety in every model

Each RB palletiser arm operates within its own guarding, ensuring any nearby people are kept out of harm's way. Sensors detect if anyone enters the area.

Exceptionally small footprint

With one of the smallest footprints in the cobot palletising market, the RB makes it possible to bring automation efficiencies to even the tightest spaces.

Quick to install and integrate

Thanks to off-site set-up and plug-and-play installation, your RB palletiser can integrate with your line quickly, with minimal interruption to production.

Simple to relocate

When factory needs change, the RB palletiser can be easily relocated to other areas to suit, without significant interruption to production.

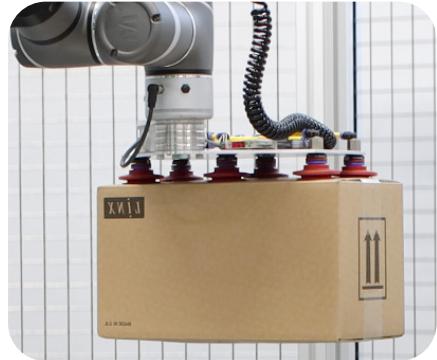
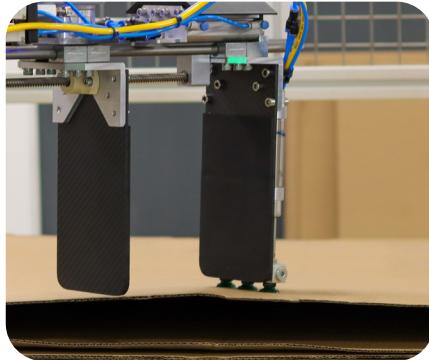
Prove the benefits for yourself



We offer proof-of-concept exercises to demonstrate how the RB Palletiser will handle your goods. Make contact to find out more.

End-of-arm tooling

RB Palletisers can handle a very wide range of pallet loading requirements thanks to the versatility of tooling, both standard or bespoke.



SG series servo-grip heads

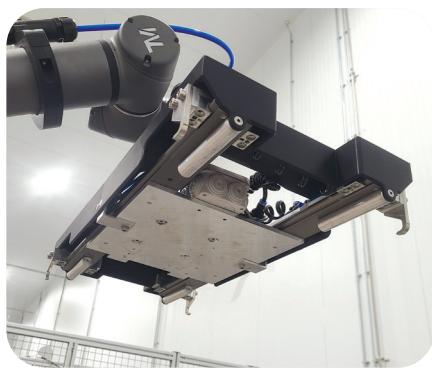
Our unique servo-grip heads, including the SG545 and SG600 offer unparalleled flexibility to handle different box sizes and shapes. Quickly programmed via the user interface, they firmly grip the sides of boxes up to a maximum width of 380mm.

Servo-grip with interlayer pick-up

Our enhanced servo-grip tool has additional functionality built in. Suction cups on one side of the gripper will pick up interlayer cards and lay them on top of completed layers, completely removing the need for human input to the process.

Vacuum head

The RB Vacuum head provides a reliable grip-and-lift action for countless operations. Suitable for all products that can't be lifted with a side gripper, vacuum heads can be tailored for different sized boxes and packaging types.



IFCO bale arm tool

This end-of-arm tool is used for palletising even the heaviest IFCO trays, providing a reliable, accurate grip every time.

Bespoke option

Some products or stacking processes have distinctive characteristics, and require non-standard lifting features. Our in-house engineering department at Reeco will modify, or develop from scratch, tooling to handle your requirements. Speak with a specialist:



+44(0)1686 621 138
sales@reeco.co.uk

User interface

The unique software of the RB palletisers is what converts its impressive automative capacity into everyday ease-of-use for all operators.

EasyStack™

Integral touch-screen operation

All operation of the software is via the touch screen station at the front of the palletiser – no external devices or software required.

Easy access to pre-set programmes

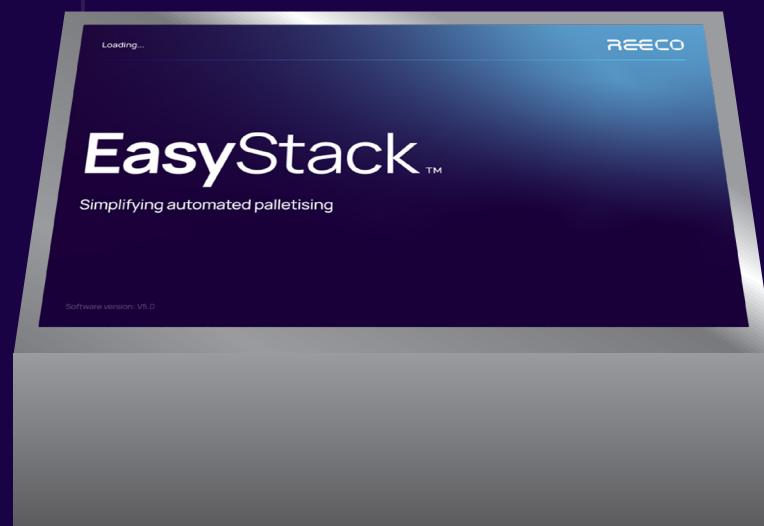
Changing between products and pallet-loading patterns is simple for operators of any skill level via selection of pre-set programmes.

Secure login for new programming

Advanced operator access is password protected ensuring that only authorised personnel can amend or create new programme pre-sets.

Visual pallet-stacking interface

Programming new pallet-stacking patterns is very straightforward using the visual stacking interface with drag-and-drop operation.



Versatile functionality

Automated palletising should flex to the scale and intricacy of your processes, and RB Palletisers are fully able to do so.

Dual-feed capability

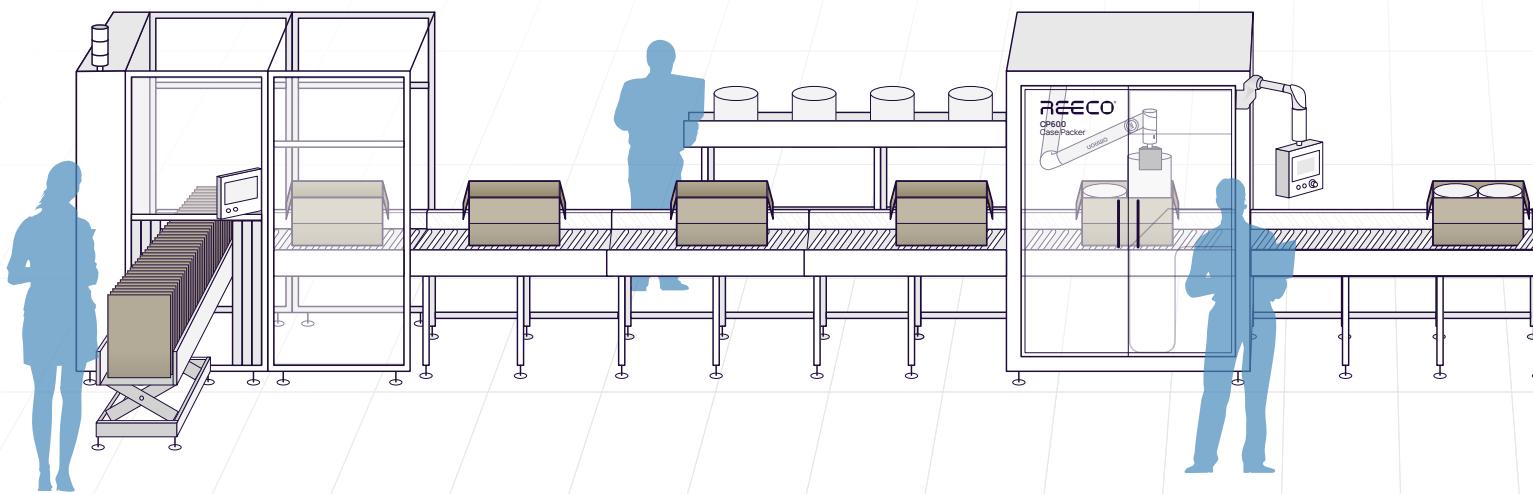


Loading pallets alternately on both sides of the cobot arm enables continual loading without interruption. As soon as one pallet is loaded, the cobot arm swaps to the other side and starts loading a pallet there, while the first is taken away and replaced with another empty one. And the transport of pallets can be carried out by compatible Autonomous Mobile Robots (AMRs).

Multi-SKU operation



The flexibility of the RB Servo-grip head enables the palletiser to handle more than one product type at a time. It can be programmed to alternate between different grip sizes and pick-up patterns on each side of the arm, all within the same packing routine. This significantly enhances throughput and flexibility, enabling one palletiser to serve two production lines.



Straightforward deployment

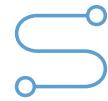
Adding automation to your end-of-line processes shouldn't be a long or complicated undertaking. Cobot technology is quick to deploy and easy to integrate.

Rapid installation

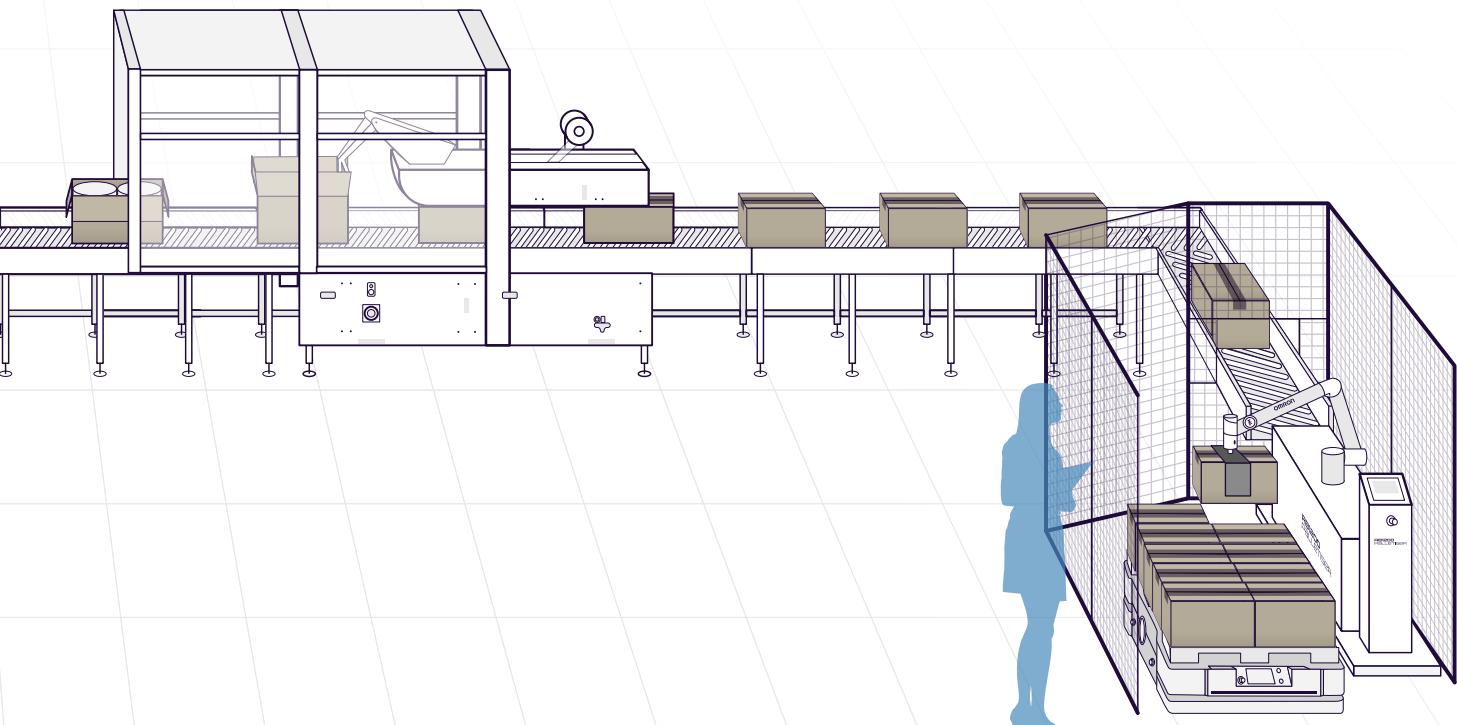


RB Palletisers are exceptionally fast to install, with plug-and-play connectivity through one 240V plug minimising the set-up process. We carry out most configuration of your palletiser off-site, meaning that final installation can almost always be carried out within one day, causing minimal interruption to your production routines. Equipment is simply wheeled into place using a standard pallet truck and its compact size ensures very little rearrangement of surroundings is required.

Ease of integration



Whether standalone or combined with other end-of-line automation, RB Palletisers quickly enhance productivity. They operate safely alongside humans but also integrate seamlessly with other localised automation, such as case erecting, packing and sealing, as well as mobile robots for transport of goods and loaded pallets. Quick to implement and flexible for the future, localised automation offers many advantages over traditional centralised set-ups.



Features and customisation

Our range of palletisers are available in multiple configurations and dimensions to best suit your needs. Explore some of the most popular configuration options below.

Sample configurations:

CB2000

Left-entry



2500mm

1580mm

1956mm

2020mm

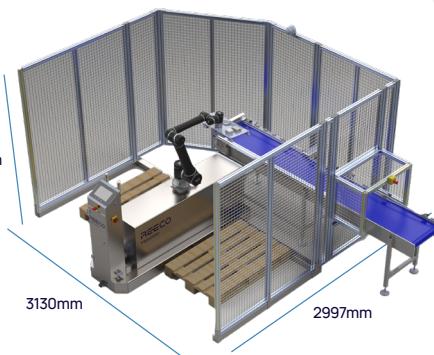
2146mm

5037mm

RB1200
Rear-entry

RB1200

Right-entry



2020mm

3130mm

2997mm

2020mm

3130mm

3083mm

RB1200
Dual-entry

Features and options:

Available with perspex or mesh guarding



Single or double pallet bay options



Left / Right / Rear conveyor entry



Layer card and slip sheet applications available



Stainless steel construction



AMR-ready out of the box*



Boost your
end-of-line efficiency
with RB palletising.



Quick to design
and deploy



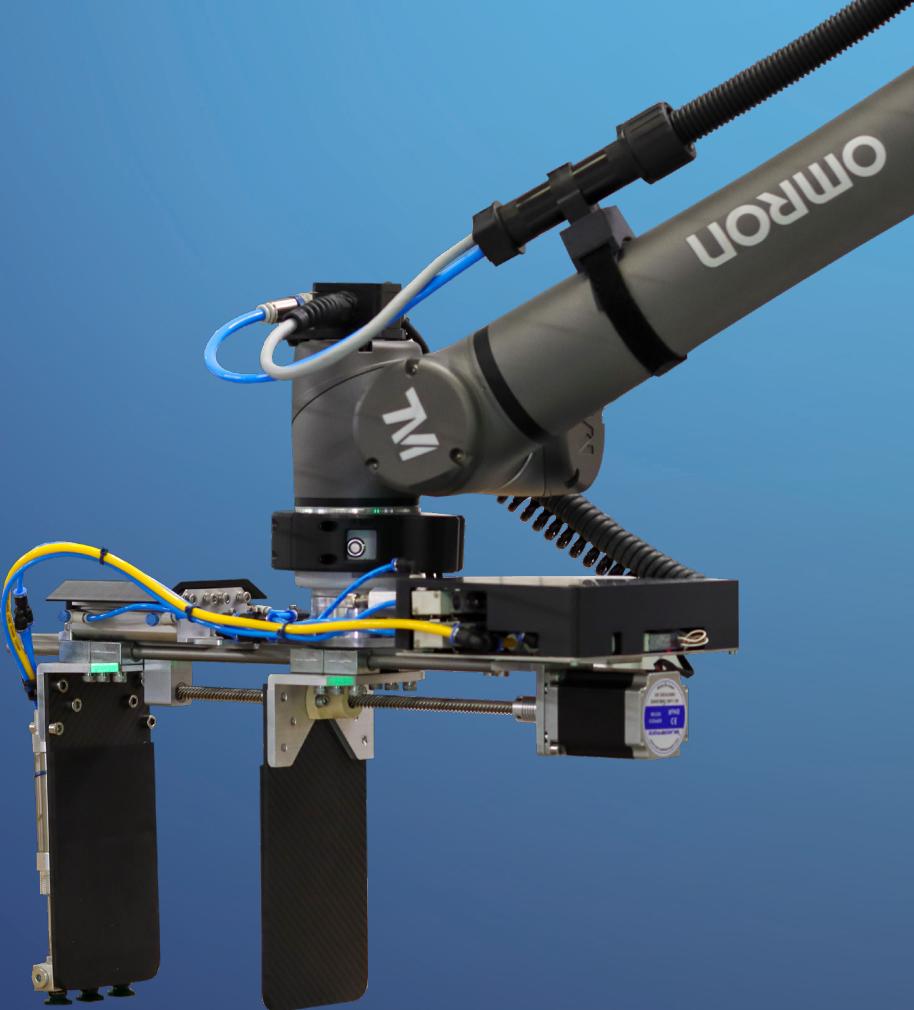
Simple and safe
to operate



Easy to flex to
changes in demand



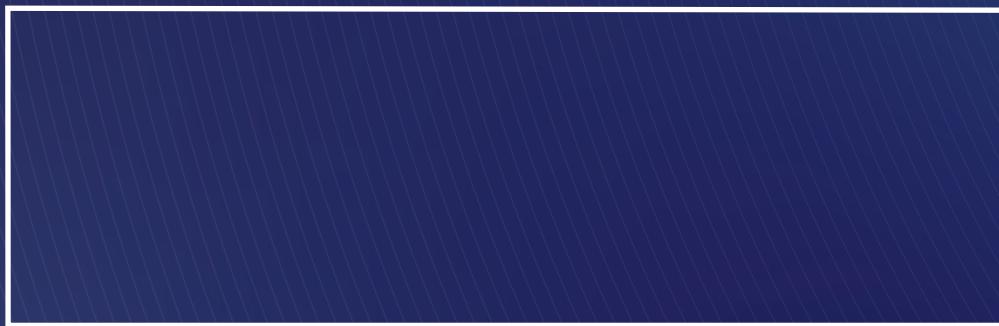
Small enough for the
tightest spaces



Arrange a free trial of your product
on an RB Palletiser or request a site
visit from a Reeco consultant.

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