

# RB1200 PALLETISER



# INTRODUCTION

Reeco and Omron have partnered up to bring you the RB1200 palletiser. A safe, flexible and versatile solution to palletising processes which is designed to improve production efficiency and save costs.

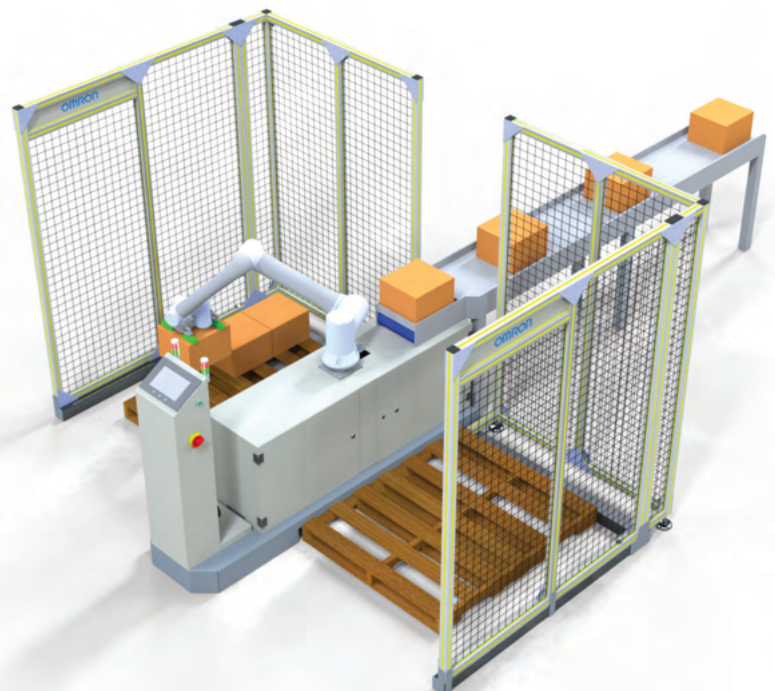
## COBOT PALLETISING

If your operations require you to palletise large quantities of inventory, having an efficient palletising system in place is paramount to operational success. Cobot palletising systems are the latest offering in palletising solutions with companies now recognising the benefits Cobots have to offer. Cobot palletisers provide a safe and manageable, repeatable and efficient way of palletising inventory.

## OMRON x REECO

To bring a unique palletising solution to the market, Reeco have teamed up with Omron and developed an intuitive plug and play palletising system. The partnership brings a unique perspective to the palletising market, combining expert product knowledge from a trusted global brand, with an automation specialist who has a proven track record of providing Cobot solutions that increase productivity and reduce production costs.

- Rapid deployment
- Safe, flexible and versatile
- Quickly respond to changes in demand
- Improve accuracy and repeatability





# RB1200 PALLETISER

## OMRON TM12

1300mm reach, 12kg payload.

## 7 AXIS

7th axis lift kit for full reach across all suitable pallets.

## EASY STACK

Custom software, easy to program.

## PICKING LOCATION

Easy to change pick point for quick redeployment.

## SAFETY SCANNER

Omron OS32C 270 degree safety scanner.

## TOOLING

Fitted with a vacuum gripper for easy picking. Purpose built tooling for other products.



### VERSATILE

Suitable for pallets up to 1300 x 1100mm.



### INTEGRATED SAFETY

A market ready solution with integrated safety for quicker deployment.



### PROGRAMMING

Custom software, intuitive and easy to use, no experience needed.

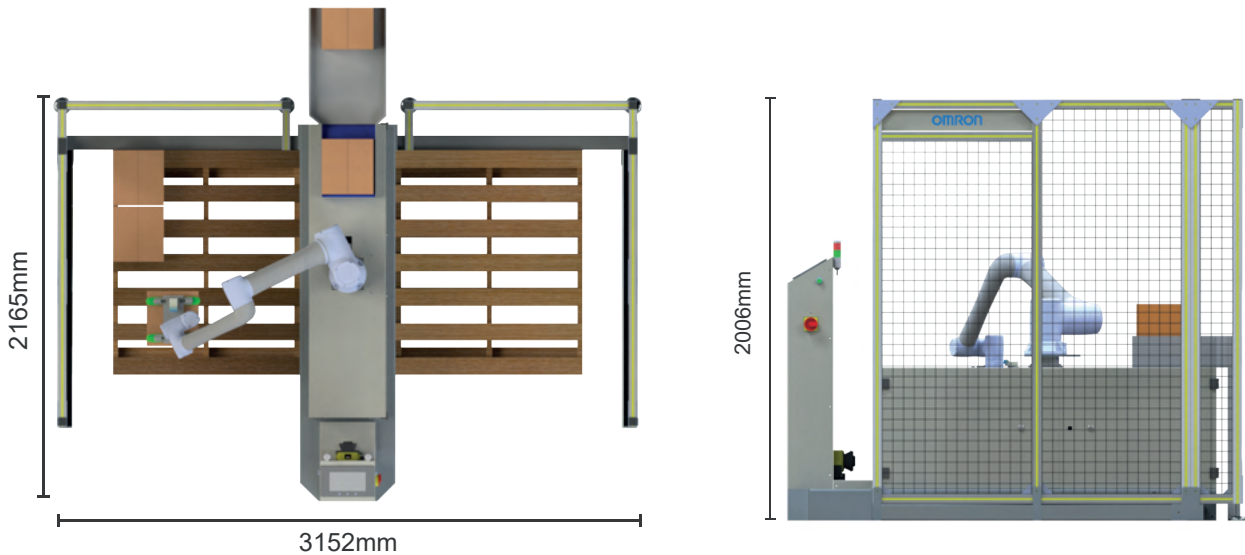


### QUICK SET UP

Connected through one 240v plug.

# SMALL, EASY AND INTUITIVE.

The RB1200 is designed for operations where palletising is a core process of your business and where humans and machines are in close proximity. The RB1200 palletiser provides a manageable and efficient way of palletising inventory.



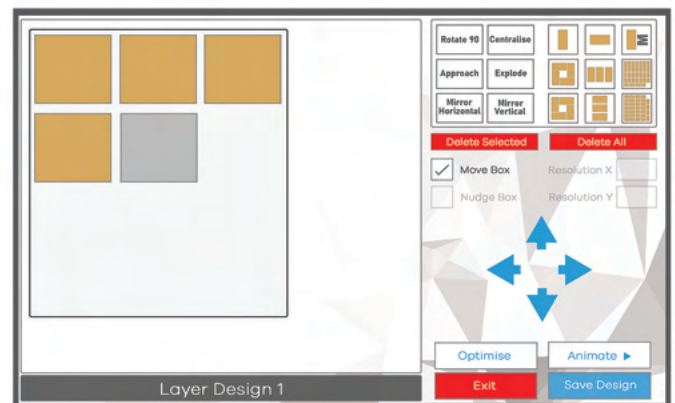
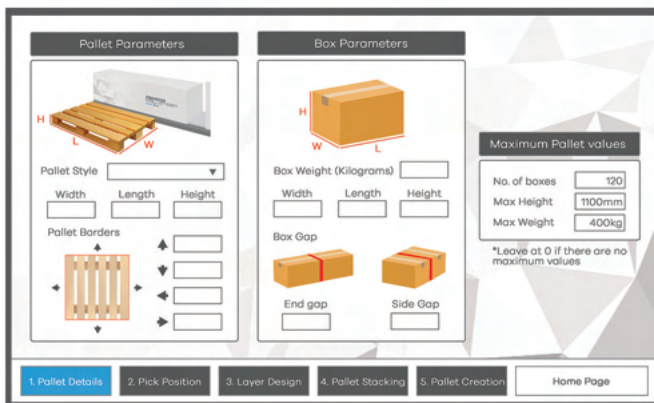
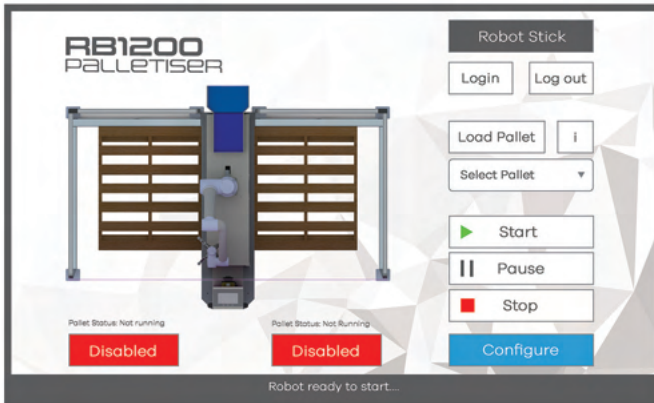
The RB1200 has a small factory footprint, making it ideal for operations where space is limited. The RB1200 is designed to be easy to set up and redeploy, coupled with the Easy Stack software which enables operators with no programming experience to create and edit pallet programs.



- Efficient palletising of products
- Save and create new pallet layouts
- Suitable for most pallet sizes
- Small factory footprint

# EASY STACK

Easy Stack is a software development by Reeco and Omron which simplifies palletising operations, dramatically reducing automation complexity and the skill level required to operate. Easy stack was designed to allow businesses to quickly respond to change without the need for technical support.



With a visually intuitive interface, Easy Stack combines and interfaces all the technology and capabilities within the RB1200 palletiser, giving operators high levels of control for little input. The recipe formula-style pallet builder offers a fool-proof way of configuring pallet programs.



- Visually intuitive interface
- Respond to production changes
- Limit expert call outs
- Highly customisable

# INTEGRATED SAFETY

Each system comes with integrated safety to ensure quick deployment and compliance with safety guidelines.

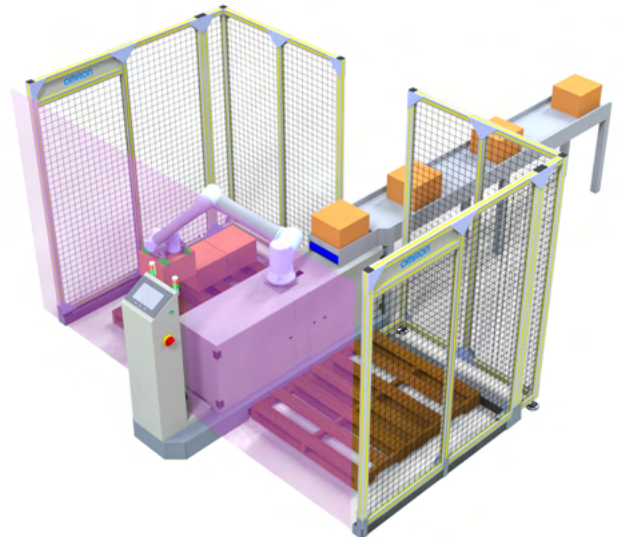


ISO 13849-1    ISO 10218    ISO/TS 15066

## SAFETY DESIGN

Though Cobots are generally safe out of the box, when they are equipped with tooling a safety reassessment is required.

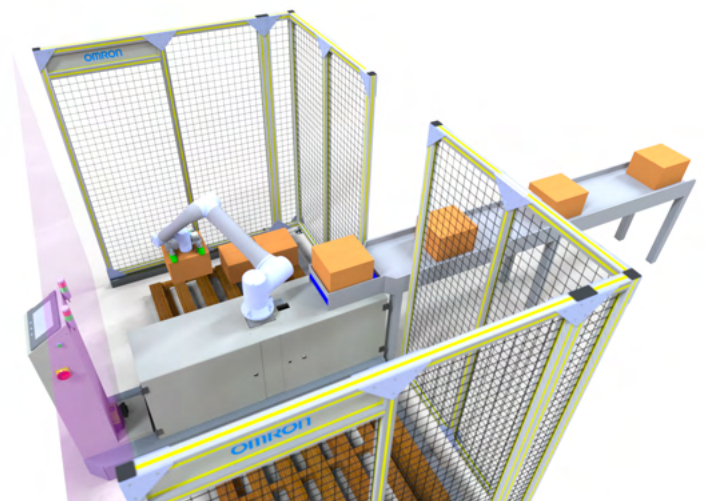
The RB1200 has been designed and assessed accordingly to ensure quick deployment with no safety concern. Safety fencing is used alongside each pallet runway, with limited access at the rear. Fencing allows us to restrict entry points and accurately monitor them with safety scanners.



## SAFETY FUNCTIONALITY

An Omron OS32C 270 degree scanner monitors the front opening of the system, triggering the safety stop function should this area be breached.

The safety scanner is positioned between the HMI podium and base, protecting it from damage during loading.



- Quickly deployed with no safety concerns
- Risk assessed in accordance with safety standards
- Scanner mounted in an enclosed location to prevent damaging and blocking

# AMR COMPATIBLE

The RB1200 can be made compatible with Autonomous Mobile Robots (AMRs), which together make the perfect team for a completely automated end-of-line (EOL) packaging system. These can be integrated into the factory and used alongside the RB1200 for pallet collection and delivery, taking pallets to a wrapping applicator and finally to a warehouse.

As Omron's official UK AMR solution partner with a dedicated AMR facility, Reeco are able to offer class leading mobile robot solutions for EOL and other internal logistics processes.

## On call like a taxi

Unlike AGVs which operate more like trains, AMRs are available on demand.

## Safety compliant

Equipped with scanners, Omron's HD1500 has 360 degrees of safety.

## Existing infrastructure

AMRs use sensors to map the most optimal routes using obstacle avoidance.

## Fleet of up to 100

Fleet manager allows for the management of 100 AMRS in one place.





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