

## UNLOADMASTER

### INDUSTRIES



FRESH PRODUCE



Maximise efficiency and boost productivity from the very start of your line with the MARCO UnloadMaster. This robust, expertly crafted system automates and streamlines the unloading of “packed-at-source” open punnets, transferring them effortlessly from trays to your conveyor line for faster, more efficient processing.

At the core of the UnloadMaster is a durable, stainless steel roller conveyor built for high-volume operations. With advanced sensors and intelligent controls, it delivers precise, reliable operation, reducing the need for manual labour and minimising errors.

The system’s automated infeed technology ensures a steady flow of products onto your production line, driving throughput and enhancing overall efficiency.

Seamlessly integrate the UnloadMaster into your current setup and benefit from a flexible, cost-effective solution that significantly lowers labour expenses and elevates productivity.

### KEY FEATURES:

- Simple to use operator HMI to select products or add new ones
- Up to 14 cycles per minute in a typical format of 2 rows in a box (packs & presentation format dependant)
- The simple design allows for extremely quick skills transfer to non-specialised labour
- Compact design with a small footprint

### BENEFITS:

- Intuitive and user-friendly
- Reduce Labour
- Reduces probability of operator injury
- Rapid ROI
- Increase Productivity
- Increase Efficiency
- Consistent delivery of product onto the front of line
- Can be further automated with the use of a de-palletiser (available within the ATS Packaging and Food Technology division)



# UNLOADMASTER SPECIFICATION SHEET

The UnloadMaster is expertly engineered to streamline the process of removing punnets from trays transferring them onto a conveyor line.

Its innovative infeed system features an intelligent roller conveyor constructed from durable stainless steel, equipped with advanced built-in sensors to ensure precise and efficient operation.

## PRODUCT SPECIFICATION

<b>Length:</b>	5400mm (17.7ft)
<b>Height:</b>	2404mm (7.8ft)
<b>Depth:</b>	1440mm (4.7ft)
<b>IP Rating:</b>	IP-65 wipe down only
<b>Air Requirements:</b>	6 Bar (0.6 Mpa)
<b>Power Requirements:</b>	Canada: 208V 3 phase USA: 400/480V AC 3 phase
<b>Material:</b>	304 Stainless Steel
<b>Minimum Container Size:</b>	400mm x 300mm (15.7" x 11.8")
<b>Maximum Container Size:</b>	600mm x 400mm (23.6" x 15.7")
<b>Max total load on gripper head:</b>	11kg (24lbs)
<b>Punnet/Clamshell Outfeed:</b>	2lb per pack (max)
<b>Touch Screen:</b>	21" HMI TFT-LCD Touchscreen (available in multiple languages)
<b>Foot type:</b>	Adjustable

## Servo Motor Driven Arm

<b>Safety Standards:</b>	Machinery Directive 89/392/EEC EEC (European Economic Community) directives: 93/368/EEC, 93/44/EEC
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## Cycles

- Up to 14 cycles per minute in a typical format of 2 row in a box
- 3 boxes per cycle - narrow edge leading
- The trays must not exceed 600mm length, 400mm width, 250mm height and must be positioned narrow edge leading on the conveyor.

## OPTIONS

- Vision System
- Bypass conveyor with manual loading
- Crate Reject
- MARCO Trac-IT® YCM Integration
- Lane Divert
- Product Turner

## TRAY DESIGN

- Open Cardboard Trays
- Lipped Trays (narrow edge)
- Plastic RPC's with stackable barriers
- Collapsible Trays

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