



# **A**RODO

TOTAL BAG-HANDLING

***SACK FILLING LINES***

***PALLETISERS***

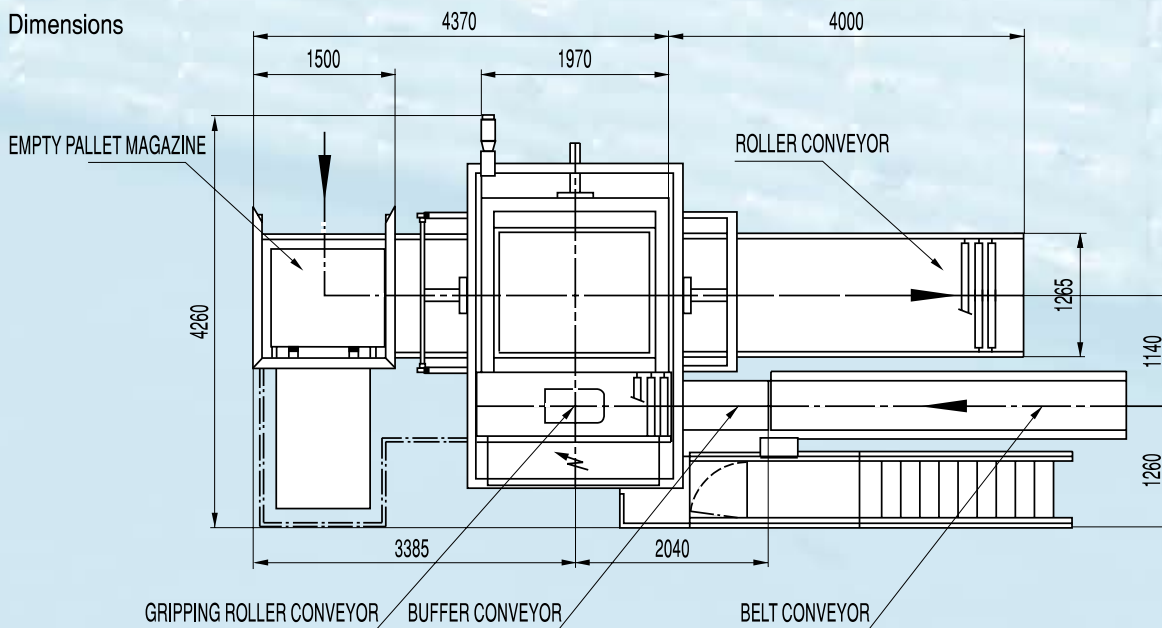
***STRETCHOOD MACHINES***



# Automatic Palletiser Type GR

The GR palletiser combines the advantages of a robot and a conventional palletiser system in one machine. This particular system has been especially developed for overlapped palletising of different sack dimensions caused by fluctuating weighments and product densities. Furthermore, a stable pallet is created through the overlapped sack positioning that also enables pallet layers to be formed inboard of the pallet, helping reduce damage caused by overhang. In contrast to normal robot palletising systems we also achieve a very precise and secure finished pallet by applying side and top pressure.

Capacity: up to 1000 bags/hr.





## Automatic Palletiser Type DS

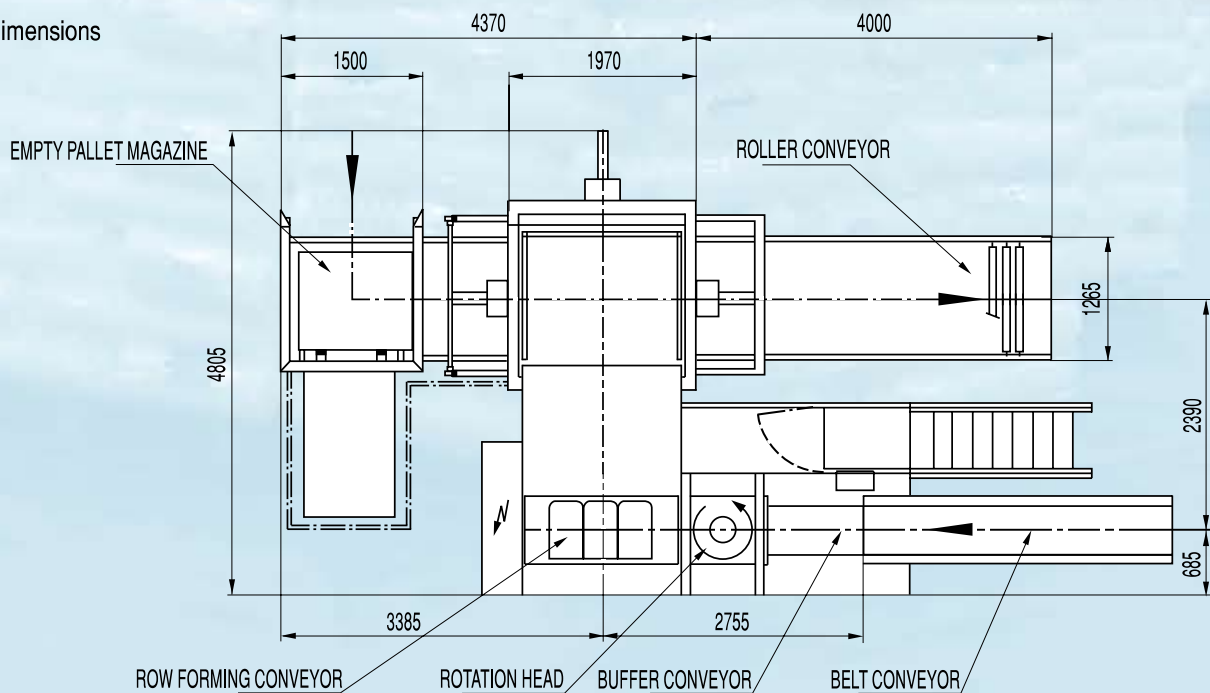
The DS range of palletisers forms the rows with a turning head and a formation belt conveyor. The rows are transferred to the stripping plate by a row pusher.

Using a special programme it is possible to palletise with gaps between the bags, without mechanical stops.

This gives flexibility in the choice for bag dimensions.

Capacity: up to 2500 bags/hr.

### Dimensions



## Robots

**ARODO** utilises robot palletisers when:

- Sacks from more than one filling line have to be stacked simultaneously.
- Containers or other shapes and sizes (e.g. boxes, buckets etc.) have to be stacked as well as or instead of sacks.
- Bags have to be placed inside boxes or crates.



## Automatic palletiser Type GRS

The GRS palletiser is a compact palletising system with a maximum capacity of 600 cycles/hour. It features a vertical sack lifting device, rotation head and an adjustable sack layer guide for precise overlapped or non overlapped sack placement and a perfect vertical pallet stack. The sack lifting system is integrated within the guarded palletiser boundary to save floor space and so that the system can be positioned almost immediately after the discharge point on the filling and closing line.

The GRS palletiser can also be delivered as a semi automatic version without empty pallet magazine and roller conveyor. In this version the empty pallet is placed on the floor and the finished pallet removed by hand pallet truck.





## Special Features

- Empty pallet magazine with fork mechanism to release the lowest pallet. Suitable for handling pallets of varying condition.
- An electro-mechanical device positions the empty pallet in the loading position ensuring no jams occur during the transport of the pallet.
- Precise layer positioning through side forming dams.
- High pallet stability through compression on each layer.
- Free programmable control stored in memory such as:
  - Layer Programme.
  - Pallet Dimensions.
  - Compression Force.
  - Pallet Height.
- Modular structure, allows an ARODO palletiser to be assembled in almost every factory situation.

## Technical Data:

### Pallet Dimensions:

from 800 x 1200 to 1200 x 1500 mm

### Max. pallet load:

to be agreed on

### Max. pallet height:

1800 mm (up to 2800 mm possible)

### Max. load empty pallet magazine:

750 kg

Special requests possible.

## Options Available:

- |                             |                           |
|-----------------------------|---------------------------|
| ● Bag Flatteners            | ● Pallet Sheet Dispensers |
| ● Vibratory Conveyors       | ● Roller Conveyors        |
| ● Bag Pressing Conveyors    | ● Chain Conveyors         |
| ● Hot-Melt Glue Applicators | ● Turning Tables          |
| ● Ink-Jet Printing          | ● Trolleys                |
| ● Bag Leak Detection        | ● . . .                   |

## Business thinking

Since **ARODO** both design and manufacture our own packing lines, we guarantee perfection in operation of the whole packing line.



## Equipment range

- Filling lines for all types of sacks and bags
- Bag placing units for open mouth sacks and bags
- Closing systems
  - sewing
  - folding and sewing
  - sealing
  - sealing inliner and sewing outer bag
  - double folding and closing with hot-melt
  - closing pinch bag by folding and reactivating the glue
- Sack vacuum techniques
- Check weighers
- Big-bag filling systems
- Palletisers
- Stretchhood machines

## Packing to specifications

When designing a packing line for specific use in your company, we have in mind:

- Supply of a packing line at a reasonable price
- Development of packing lines with your specifications as our standard



Head office **ARODO BVBA**  
Hoge Mauw 740  
B-2370 Arendonk  
Tel. +32 14/672332 • Fax +32 14/671760  
sales@arodo.com • www.arodo.com

**ARODO**  
TOTAL BAG-HANDLING

**ARODO Scandinavia A/s**  
Speditørvej 1  
DK-9000 Aalborg  
Tel. +45 98 162000 • Fax +45 98 162023  
sales@arodo.dk • www.arodo.com

**ARODO GmbH**  
Neuwieder Str. 17  
D-53567 Buchholz  
Tel. +49 2683/967164 • Fax +49 2683/967165  
sales@arodo.de • www.arodo.com

**ARODO UK Ltd**  
PO Box 65  
Snodland • ME6 9BT  
Tel. +44 1634 672253 • Fax +44 1634 687174  
sales@arodo.co.uk • www.arodo.com

**ARODO France SARL**  
1 Rue Gerhoui  
F-35650 Le Rheu  
Tel. +33 299 148 585 • Fax +33 299 545 640  
sales@arodo.fr • www.arodo.com