

# **ARODO**

TOTAL BAG-HANDLING

## ***SACK FILLING LINES***

***PALLETISERS***

***STRETCHOOD MACHINES***



# Sack-filling systems

**ARODO** sack filling systems are suitable for bag weights ranging from 1 to 5 kg or from 5 to 50 kg. Sacks of any size and shape can also be handled. In almost every system the sack top is stretched on the filling spout. The sack top is transported to the closing section using a transport device to guarantee 100% accurate and reliable presentation of the stretched sack top. Transport to each closing station is executed in stepped synchronisation to ensure critical closing or pre-closing operations such as sealing, fold over and pinch etc. are executed on a stationary sack. A wide range of product dosing devices is available to suit a variety of product flow characteristics.

**Capacity: up to 1400 sacks/hr.**

## Nett Weighing System

Suitable for non-sticky products. The nett weighing principal also makes it possible to fill big-bags and other large containers.



*Nett weighing and screw dosing system for cement and cement based mixtures. The system produces water/weather proof bags by using 'non perforated' tubular film and a vacuum chamber incorporated in the closing section.*



*Nett weighing system with duplex weighing and belt conveyor dosing - pet-food. Designed as a "combi-system" the system is suitable for handling pre-made sacks as well as processing them drawn from the reel. A range of closing devices, such as heat sealing, stitching or pinch, are available that can be selected individually or in combination.*

*Removable dosing screws providing optimal access for cleaning.*



*The nett weighing principal can be used to fill big-bags as well as sacks.*

## Gross Weighing System

Suitable for sticky products. Since the installed height is minimal, it can also be used in locations where height is insufficient for a nett weighing system.



Gross weighing and sack filling system with screw dosing and a sealing unit for sack weights ranging from 1 to 5 kg. Line operation is executed using paper sacks with an inner plastic coating and the gussets reformed.



Gross weighing system with screw dosing for cheese powder. Pinch closing with sealing of the P.E. liner. The closing section incorporates a de-aeration device enabling a liner without perforations to be used.



Gross weighing system with vibratory dosing and pinch closing. The whole assembly has been manufactured in stainless steel.



## Volume Dosing

Arodo has 2 volume dosing systems available dependent on the product to be packed. A volume-dosing conveyor is available for handling products such as sand, gravel, compost etc. For products such as cat litter, granules etc. a chamber-dosing device can be used.

Volume dosing in combination with the RODOMATIC Tube-on-a-Reel system. Sack closing is by impulse heat sealing.

# Rodomatic

## Tube-on-a-Reel System

The RODOMATIC tube-on-a-reel system makes and attaches P.E. plastic sacks formed from the tube automatically to a filling spout.

- Suitable for flat or gusseted tubular film.
- Provides fast change of sack width to reduce changeover time.
- Provided with lifting mechanism for the reel to eliminate manual handling problems.
- Simple adjustment of the sack length via the touch screen interface for continuous printed film.
- Automatic sack length detection of print registered film.
- Possibility to apply corner seals.
- Possibility to apply a handgrip with a carrying load up to 25 kg, depending on the design.
- Space in the system to build in labelling and printing devices.
- **Possibility to incorporate a sack-placing device to enable the handling of pre-made sacks as well as those made from the reel.**



## Sack-Placing Device

Designed to attach pre-made sacks automatically to a filling spout.

- Suitable for all types of sack, that can be handled with suction cups.
- Suitable for sacks with or without gussets.
- Simple manual adjustment for various sack dimensions by means of hand wheels (electrical adjustment available as an option).
- Multiple empty sack magazines.
- **Possibility to incorporate a sack-placing device to enable the handling of pre-made sacks as well as those made from the reel.**



*“Combi-System” in which the RODOMATIC Tube-on-a-Reel system incorporates a sack-placing device to enable the handling of pre-made sacks drawn from the reel.*

## Sack-Closing Lines

The following closing devices are available:

- Stitching.
- Fold -over and Stitch.
- Stitching with crêpe.
- Heat sealing.
- Pinch closing (by means of re-activating a pre-applied line of hot melt adhesive on the mouth flap).
- Single or double fold-over and closing with hot melt.
- **Combinations of above-mentioned closing systems in one single line.**



## System control and Operation

All sack-filling systems designed by ARODO are controlled by means of a Programmable Logic Controller. Operation and set up of the system takes place via a Touch Screen. All system parameters are entered through the Touch Screen, which also provides the following relevant information:

- Number of revolutions of the dosing device.
- Sack-closing device selection.
- Sealing time.
- Cooling time.
- Sack length.
- Current capacity.
- Current dosing time.
- Number of units produced.
- **All the parameters can be saved under a product name or product number.**
- There is a record of the last 200 breakdowns including the nature of the breakdown occurred.
- In case of a breakdown the touch screen will display problem-solving instructions for the operator.



## 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 Scandinavia A/S**  
 Speditørvej 1  
 DK-9000 Aalborg  
 Tel. +45 9816 2000  
 Fax +45 9816 2023  
 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 148585  
 Fax +33 299 545640  
 sales@arodo.fr • www.arodo.com