

## VACUUM CEMENT PACKING MACHINES

ARODO designs and develops bagging machines for cement in fully deaerated plastic bags that don't feature perforations of any kind. This brings along a great deal of advantages compared to conventional paper packing:

- ▲ Environmental friendly solution, less wastage
- ▲ Water and weather resistant, unprotected open air storage
- ▲ Substantial longer life expectancy
- ▲ Clean storage, no leaks
- ▲ Dust and spillage free
- ▲ Capacity on demand
- ▲ Lower packaging costs
- ▲ Better printing possibilities on plastic bags



# AROVAC

Vacuum Bagging Solutions

AROVAC, a watertight long life solution



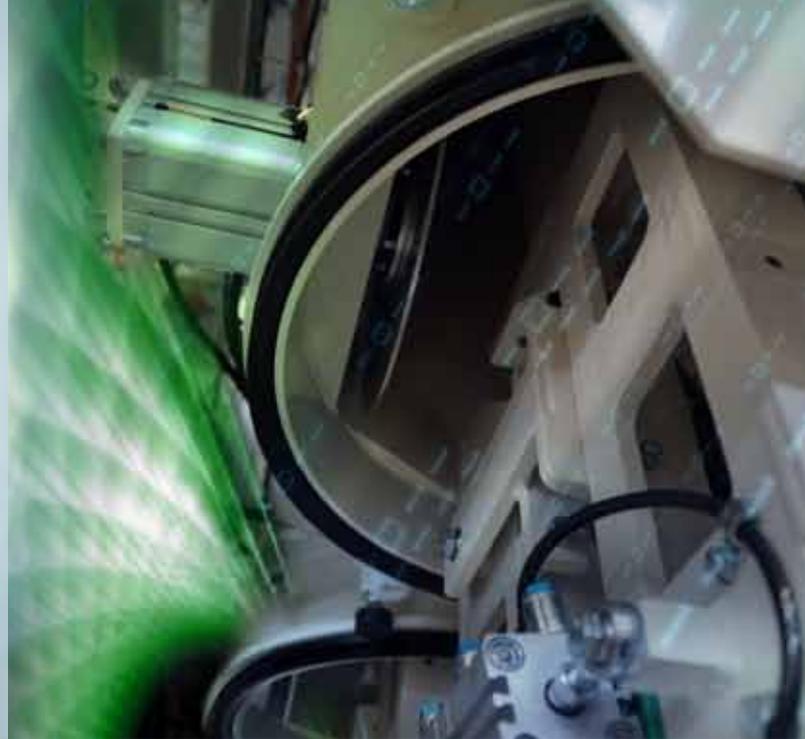
## AROVAC, a watertight long life solution

### ARODO

Arodo specialises in the design of packing systems for complete packing lines and manufactures dosing, bagging, palletising and stretchhood systems. Development, design and manufacture of the machines take place at the head-office in Arendonk, Belgium where 115 people are employed.

### Cement packing

Packaging of cement has changed little over the last 50 years, usually paper valve sacks are being used leaving the end user to cope with dust, spillage and wastage problems. Ingress of water brought about by poor storage conditions have largely remained unchallenged.



### AROVAC vacuum packing

All has changed with the development of the AROVAC vacuum bagging system that produces fully deaerated plastic packs that don't feature perforations of any kind. The absence of these perforations allows each individual pack to be stored or placed in unprotected outdoor conditions without the risk of spoiling the product through water ingress.

Conventional vacuum techniques have been ineffective because air taken out of the product carried dust which caused cumulative product wastage and blinding filters leading to loss of vacuum deterioration. Arodo's AROVAC vacuum bagging system led to a whole different approach by a unique two-stage vacuum process. The product is first deaerated at the filling point to minimise overall sack dimensions, the process is completed in a second-stage post-deaeration position further down the line which finishes the conditioning process. The seal zone is first cleaned and then sealed using Arodo's own impulse sealing system.

### Increased shelf-life

Products packed in this way can be stored outside without the need for additional protective packaging. Additionally, the absence of air in the product substantially increases its shelf-life.

### Capacity

ARODO offers the AROVAC system in two versions: up to 500 or 1000 bags per hour, producing hermetically closed PE bags of the same size as the comparable paper sack alternative.

ARODO has supplied a great number of systems World wide to various customers such as Mapei, Cemex, Celco, Saint-Gobain Weber, etc.

