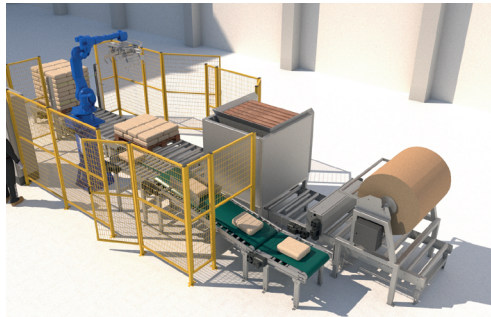




# Robot palletizing - bags, boxes and buckets

# PanPac Engineering a/s

Due to its compact construction design, the PanPac robot palletizing system is particularly suitable for installation in factories with limited space.



## Pallet Soft

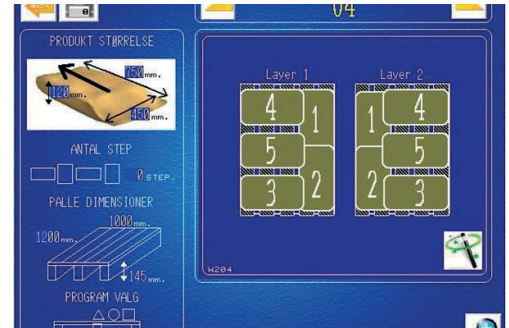
PanPacs own palletizing software, Pallet Soft, is always included in the solution.

Pallet Soft has an integrated, user-friendly touch interface, and is designed to generate palletizing patterns in an easy and user-friendly way for the customer's operator.



## Products:

- Cement
- Mortar
- Calcium
- Sand
- Fertilizer
- Chemicals
- Wood pellets
- Sugar
- Salt
- Milk powder
- Vitamins
- Fish feed



## With our palletizing and depalletizing systems we guarantee:

- A stable and reliable system
- Optimum palletizing of all known bags, boxes and bucket types
- Precise, individual positioning of all bags
- Full freedom to set palletizing patterns
- The highest level of stability for the finished pallet
- Minimum transition time when switching products
- An operation and maintenance-friendly system
- A user interface where users can set up/change patterns themselves
- Individual system construction with standard modules
- The option of incorporating extra equipment upon request

## Efficient robotic palletizing

To reap the full benefits of a robot-based palletizing system, it is particularly important for the system to be equipped with a gripping tool capable of handling the individual products in the best possible way.

An efficient robotic palletizing system must also be capable of positioning the items individually, direct on the pallet, with the greatest degree of flexibility.

PanPacs unique gripping tool, which has been developed based on more than 25 years of experience, is the reason why we are able to offer you a system that meets all of the above-mentioned demands.

This is particularly true in the case of bags or sacks, as it is possible to place them directly onto the pallet in the exact position and order you may choose. The sacks can be positioned with or without spacing/overlap, and depending on their contents, the operator can choose whether the sacks are to fall from a set height or to be carefully laid all the way down onto the pallet.

## Specifications

### Capacity

Incl. pallet changing Up to 1500 units/hour

### Bags

Weight 10-25 kg  
Type Valve bags, open bags, FFS-bags  
Material Paper, plastic, woven polypropylene, jute

### Bag dimensions

Width 300-500 mm\*  
Length 400-1000 mm\*  
Height 75-200 mm\*

### Boxes

Weight 5-25 kg

### Box dimensions

Width 150-450 mm\*  
Length 300-600 mm\*  
Height 200-400 mm\*

### Pallets

Palletizing height 2300 mm incl. pallet\*  
Pallet weight 1500 kg\*  
Pallet type EUR-pallet, industrial pallet, chemical pallet  
Pallets per magazine 12 units  
Pallet dimensions All common pallet sizes

### Palletizing patterns

Number of patterns Up to 99 different patterns\*  
Number of layers Max. 19 different layers\*

### Technical data

Power supply 3 x 400V + N + PE, 50 Hz  
Compressed air 85 l. free air/min. at minimum 6 bar  
Control Fully programmable PLC  
Noise level 70-75 dB (A)

\* Equipment with other specifications to be delivered upon agreement