



NPB packaging centre

Our complete solution for packaging of can-ends in paper bags includes a bagger, an integrated robot palletiser and a pallet handling system. The packaging centre is fully automatic, with low maintenance, high efficiency and good reliability.



NPB designs, develops and manufactures automation equipment for the packaging industry. We have top-rate expertise in mechanics and design as well as thorough knowledge in the development and manufacturing of automation equipment. The organization is customer-oriented and flexible with the aim to deliver intelligent machines that are simple to handle.



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Bagging

The packaging is carried out with NPB's automatic paper bagger which can be built with up to four in-feed lanes. The counted sticks of ends are fed into pre-made paper-bags, folded and sealed before transport to the robot palletiser.

Palletising

A 6-axis standard industrial robot is used for most of the operations, such as placing the folded and oriented bags, handling of the snake wrap paper from side to side and cutting the paper for pallet changes. During the automatic pallet change, the filled pallet is transported on a roller conveyor to the pick-up position for the forklift. An empty pallet then goes into position to start a new palletising sequence.



Technical specification

Product data:

Capacity, standard machine ... 10 bags per minute
Dimensions, product Ø200-208
Bag length up to 1200 mm (47¼ in)
Material Wood/plastic
Pallets 800x1200, 1000x1200, 1200x1200 etc

Technical data:

Height 3500 mm (11,5 ft)
Length 6500 mm (21 ft)
Width 5000-7000 mm (16,4-23 ft)
depending on layout
Power 3x 400-480 VAC/3x50 A 50-60 Hz
Air pressure 0.6 MPa (87psi)
Control-system, PLC Siemens/Allen & Bradley

Options:

Bag sealing with wet-tape, ITU. Various layouts, left or right handed, angled positions etc. Bag printer. Storage of empty pallets.



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