



NPB unwrapper for ends

Our unwrapper features a flexible modular design, which is easy to adapt to your production and layout. It can be used as a freestanding, semi-automatic unwrapper or as a fully automatic unwrapper, integrated into a depalletiser.



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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Design

As a result of the modular design, the number of lanes does not limit the total capacity. Each module has its own in feed, opening and out feed device. Different products can be handled at the same time.

The unwrapper has compact design and allows access to all parts at floor level. To reduce the down time, need of spare parts and maintenance, the design is focused to use less moving parts and an operator friendly HMI. The unwrapper is suitable for use in wet environments.



Unwrapping

The wraps with ends are opened using cold cut technology; which ensures a clean result without any residual particles from the film. The plastic film is pulled off through rubber rolls and fed with a vacuum fan. The plastic film is either gathered in a bag or extended to a compression unit. The ends are then fed out in a continuous flow to the conveying system. The first and last ends in the stick are traced during the whole process.

Technical specification

Product data:

Capacity 6 wraps per module / min
Dimensions, product Ø60-150 mm (200-603)
(other dimensions on request)
Max wrap length up to 1000 mm (39 in)

Technical data:

Height 1800 mm (5,9 ft)
Length 2600 mm (8,5 ft)
Width 900 mm (3 ft)
Power 3x400-480 VAC/3x20 amp, 50-60 Hz
Air pressure 0.6 MPa (87psi)
Control-system, PLC Siemens/Allen & Bradley

Options:

Left or right handed layout. Other product sizes.
Semi automatic or full automatic, integrated with depalletiser.



Industrigatan 14B | SE-553 02 Jönköping | Sweden
+46 36 354060 | fax +46 36 354061
info@npb.se | www.npb.se