

NMP - palletisation plant



NMP 1200
Angus Dundee Distillers PLC, Scotland



UTILISATION

- used for palletising crates, packets and other products

THE MAIN PARTS OF THE MACHINES

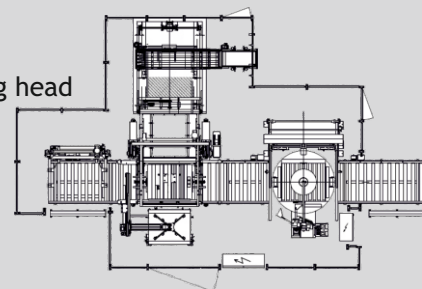
- packet conveyor + pallet conveyor
- sequencer of packets in a layer + packet feeder
- palletiser
- manipulator of the trays
- pallet hopper + tray hopper
- wrapping machine
- service platforms

Machines of the NMP series are fully automatic and are produced in standard stainless steel design with KOMAXIT finish in combination with plastic and stainless steel parts.

The modular principle of ascending and descending palletisation enables flexible arrangement of the feed of products and pallets, alignment table and pallet output.

DESCRIPTION OF THE FUNCTIONS OF ASCENDING PALLETISATION

- products enter the machine at a height of 1 000 mm
- the pallet magazine releases an empty pallet and conveys it under the transmitting head
- the pallet stops in the precisely defined place on the pallet conveyor
- the sorting table creates the relevant layer configuration
- the loading arm I moves the created layer on a moving plate
- the moving plate shifts above the pallet
- the loading arm II moves the created layer to the pallet axis
- after the layer is clamped by a special arm, the moving plate moves back into its default position and the layer is carefully loaded onto the pallet
- the entire cycle is repeated until the required packaging is created
- the pallet with products is transferred to the wrapping machine using a conveyor system, where it is automatically wrapped in shrink foil
- after wrapping, the pallet with the product is transferred by the conveyor system to the unloading point



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PERFORMANCE RANGE

Type	Performance		Type of machine
NMP 1000	1 000	crates / packets per hour	automatic
NMP 1500	1 800		
NMP 2000	2 500		

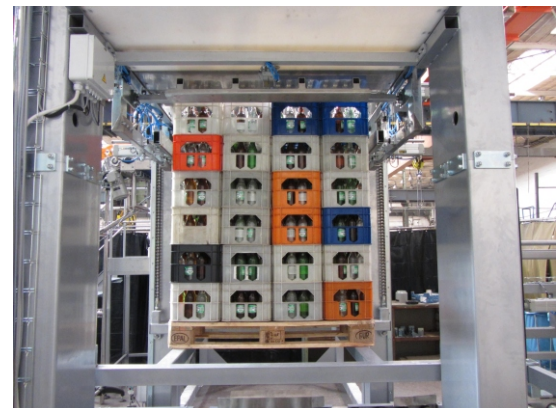
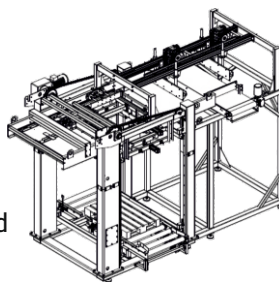


NMP 1200
Perta - Browary Lubelskie S.A., Poland



SELECTED REFERENCES

- DOMRO Borgazdaság Kft.-Kiskörös, Hungary
NMP 1000
- Angus Dundee Distillers PLC, Scotland
NMP 1200
- Polanica Zdrój-Staropolanka, Polanica Zdrój, Poland
NMP 1500
- Libella Bottlers Almaty, Kazakhstan
NMP 1500



NMP 1500
Polanica Zdrój-Staropolanka, Polanica Zdrój, Poland

DESCRIPTION OF THE FUNCTIONS OF DESCENDING PALLETISATION

- products enter the machine at a height of 2 000 mm
- the pallet magazine releases an empty pallet and conveys it the pallet lift
- the pallet is raised under a moving plate
- the sorting table creates the relevant layer configuration
- the loading arm moves the created layer on a moving plate
- after the layer is clamped by a special arm, the moving plate moves back into its default position and the layer is carefully loaded onto the pallet
- the entire cycle is repeated until the required packaging is created
- the pallet with products is transferred to the wrapping machine using a conveyor system, where it is automatically wrapped in shrink foil
- after wrapping, the pallet with the product is transferred by the conveyor system to the unloading point