

# PIKOMAT PALLETIZING PLANTS



## PIKOMAT HPK - CARTON-PALLETIZER

For fully automatic palletizing of

- cartons
- trays
- canister
- light sacks
- other packing drums

Siemensstrasse 7  
D-92521 Schwarzenfeld  
Telefon: +49 (0) 94 35/54 18-0  
Telefax: +49 (0) 94 35/54 18-49  
www.wiko-piehler.de  
Email: VK@wiko-piehler.de



*Two palletizer modell HPK*

### **character of palletizer HPK:**

- high capacity up to 1500 cartons/min
- pallet lift low in vibration
- fully automatic change of products with various pack-pattern ( forming gaps )
- integrated feeder of intermediate cover sheet
- automatic change of pallet-models

**We are planning, delivering and installing your complete plant !  
After initiating your plant our after-sales service will take care of you.**

## Functional characteristics of palletizer PIKOMAT HPK:

The packages get after adjusting into the palletizer and will be assembled in rows program-controlled via package-allocation and package-turn. With spacer gaps can be made in running direction.

The row-pusher assembles the layer on the deposit-plate. The divided deposit-plate opens on both sides

and can draw gaps cross to the running direction. The layer will be taken over from the empty pallet underneath or from the layer already placed.

The transport of full pallets and the feeding of a new pallet from the empty pallet magazine is fully automatic.

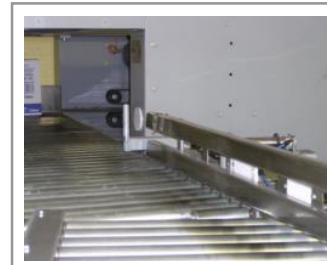
Between the empty pallet magazine and the loader-station an intermediate cover sheet feeder is integrated, which a fork stacker can refill.

The feeder can place a cover sheet onto the empty pallet, between the layers or on the top layer.

### Turning device

Via the lateral guidance independently in breadth the packing drums come to the motive adjustable 90° turn-pin.

A pneumatic operating package-turning arrangement is supporting the turn of narrow cartons.



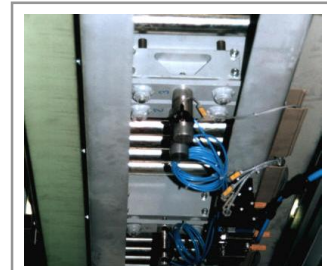
### Roller-conveyor to produce partial layers

On the roller-conveyor partial layers will be produced. The rollers are on a driven flat belt, can be changed without tool and stand out for an extremely silent running.



### Stopper for gap-production

Pneumatic stopper underneath the rollers cause the pack-pattern dependent distance between the packing drums.



### Cross -pusher

The frequency controlled cross-pusher is toothbelt driven and runs silent with Vulkollan coated rolls.

The lifting of the cross-pusher takes place through a crank gear with sinusoidal start- and brakecycles.



---

## WIKO-PIEHLER Palettier-& Fördertechnik GmbH

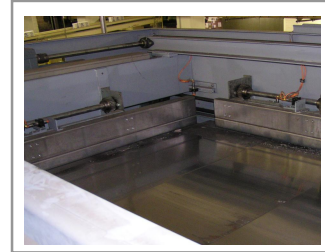
Siemensstrasse 7 • D- 92521 Schwarzenfeld

Tel.: +49 (0) 94 35 / 54 18-0 • Fax: +49 (0) 94 35 / 54 18-49

<http://www.wiko-piehler.de> • Email: [VK@wiko-piehler.de](mailto:VK@wiko-piehler.de)

### **Calibration-Quadrangle**

The calibration-quadrangle will be realized motor driven, pulse controlled and programmable.



### **Placing-plate**

The two-part placing-plate opens with toothbelt. The roller-guidance in combination with wearing protection guarantees a long durability.



### **Pallet-lift**

The frequency controlled pallet lift will be guided diagonally and therefore with less vibrations. The lifting drive mounted easily to maintain near the floor.



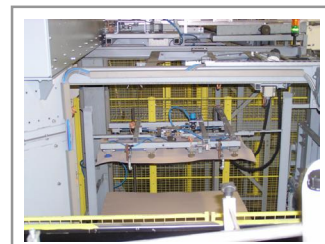
### **Empty pallet magazine**

Using of slewing forks on both sides the magazine is extremely saving space. A turning over of the stacks will be excluded using a shaft closed on three sides.



### **Feeder of intermediate cover sheet**

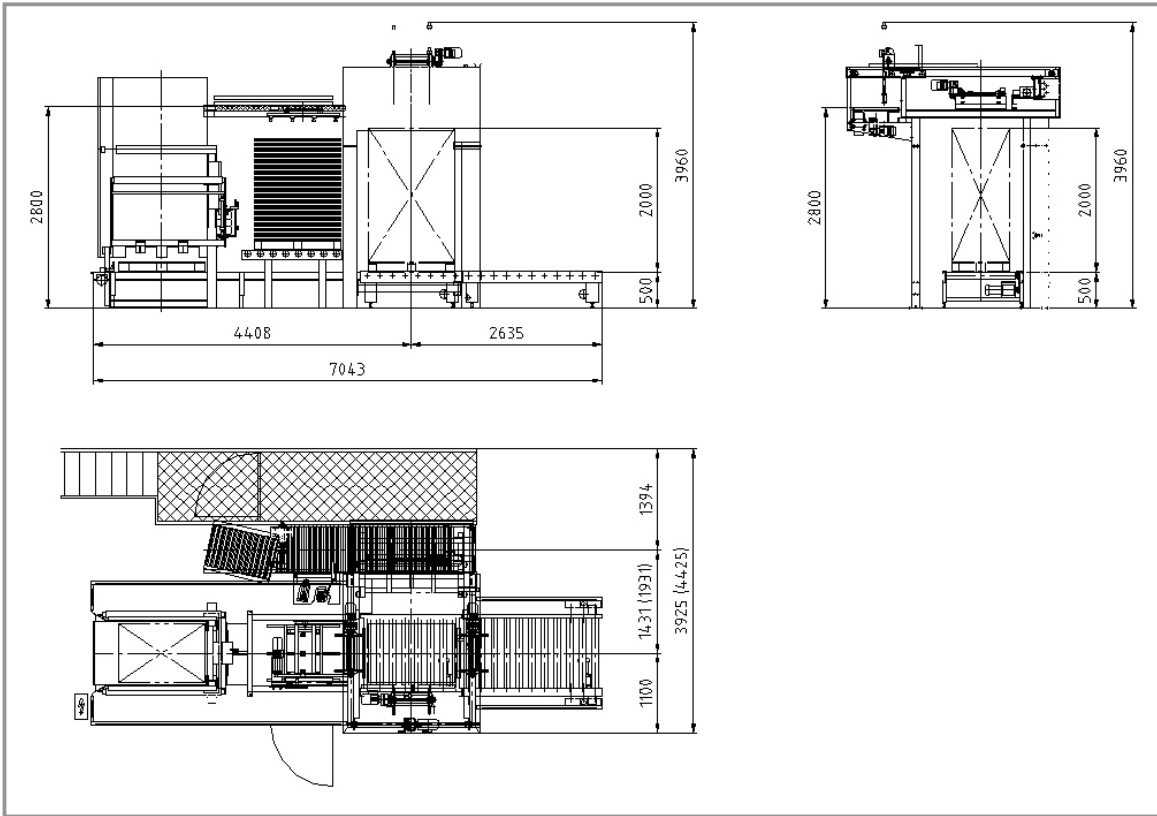
The feeder places cover sheets on the empty pallet and between the layers. The stock-magazine at ground level is adjustable and will be filled manually or with the fork lifter.



### **Control**

The Siemens SPS S7 in combination with the coloured touchscreen and the menuetchnic gives the user a flexible system, e.g. layerpattern can be produced without any problem





Space assignment plan PIKOMAT HPK (HPK-H)

Equipment	
Unit centering	o
Stopper for gap-forming	x
Motric calibration-quadrangle	o
Two-part placing plate	o
Pallet-lift ( less vibration )	o
Empty pallet magazine ( for one size )	o
Empty pallet magazine, autom. adjustable	x
Feeder of intermed. cover sheet	x
Control Siemens S7 with touchscreen	o
o Standard equipment      x special equipment	

Specifications	HPK	HPK-H
Capacity of palletizer [pieces/min]	up to 30	up to 60
Pallet [mm]	1200 x 800 (1000)	1200 x 800 (1000)
Packing pattern	any	any
Stack-height (standard) [mm]	1600	1600
Conveyor technique [mm]	500	500
Empty pallet magazine [pallets]	15	up to 40
Feeding height [mm]	2800	2800
Magazine for interm.cover sheet [mm]	1000	1000
No. of sucker at feeder ( intm.co.sh.) [mm]	12	12
Compressed air [bar]	6	6
Rated voltage [Volt]	3 x 400, 50 Hz	3 x 400, 50 Hz

We deliver you of course the pallet packaging and conveyor technique, too. Talk to us !



**We are planning, delivering and installing your complete plant !  
After initiating your plant our after-sales service will take care of you.**