

HIGHEST CAPACITY IN THE SMALLEST OF SPACES: TRAPO LAYER PALLETIZING WITH ROBOTS

We are a globally responsible, experienced partner to the chemical industry. We set ourselves the challenge of optimizing production flows with individual solutions and optimally protecting their products. Our robots distribute, shape, palletize and secure perfectly – even in limited space.

Your benefits

- **We operate at top speed.**
58 layers per hour / 70 cartons per minute.
- **We automate.**
Employment of our palletizer-robot increases efficiency.
- **We offer unique performance.**
Flexible distribution, shaping and securing on pallet.
- **We guarantee secure gripping and perfect hold.**
Our robots act efficiently and reliably; with consistently highest capacity level.
- **We design requirement-oriented.**
Low-maintenance highest capacity layer palletizer even in limited space.



- With up to 70 cartons per minute, washing powder is perfectly stacked and securely packed.



Challenge us!

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Assignment

In washing powder manufacture the task was to stack neatly and secure the cartons in limited production space. The dimensions of cartons determine in each case the layer formation with an average weight from 1 to 10kg. An equally flexible and stable layer formation at varying heights and sustainable optimization of production processes stood at the very top of the list of priorities.

Our solution

The goods packed in the cartons are distributed on two lines in order to guarantee consistently high capacity.

Flexible, programmable palletizing processes determine layer formation and stack height: Horizontal- or vertical sliding permits variable layer formation in a 3- or 4- pattern.

Layer slides guide the entire layer precisely to the gripper.

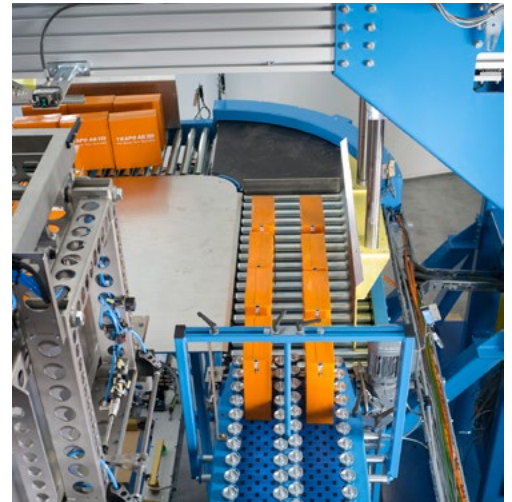
The vacuum gripper places the intermediate layer. It ensures a stable, optimum layer image with perfectly sitting products. Shifting or falling is precluded.

Our contribution to efficiency increase in your production: While the first palletizing process is still running, the following one is in preparation: Via the pallet magazine an empty pallet is being fed which is readied once again for palletizing.

We additionally secure the pallet reliably with a cover film and by wrapping with film.

Naturally our solution takes charge of goods traceability thanks to technically controlled labelling. Identification of the pallet guarantees logistical traceability.

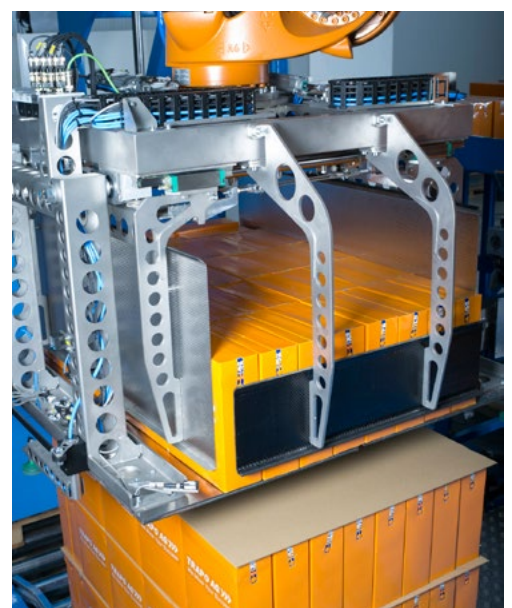
Case Study 01/July 2016



➤ The goods packed in cartons are distributed on two lines.



➤ A layer-slider feeds the layer of cartons precisely to the gripper.



➤ The vacuum gripper positions the intermediate layer.