



PALLETIZING AND CONTROL SYSTEM

The intelligent solution  
for palletizing and control  
**FAST PICK STATION**

# Efficient and ergonomic picking with high performance.

Palletizing, (loading and unloading) and other material handling processes are typical tasks where goods are moved in the shortest time possible.

Now, a WINKEL innovation combines high performance, efficient motion control and extreme reliability in the FAST PICK STATION.

## WHAT IS THE FAST PICK STATION?

The FAST PICK STATION consists of a work station that processes, shrink wraps, stacks and conveys palett-ready shipments quickly and efficiently. The goods are forwarded down through the shaft and shrink wrapped immediately, securing the goods for shipment.

The FAST PICK STATION can be easily integrated into existing conveying systems since it does not require a pit.

The FAST PICK STATION can be used with a number of applications, including unit conveying and package processing, automotive parts, food, textile, drug and other packaged goods.

Pallets with mixed goods can also be commissioned with the FAST PICK STATION without any problems.

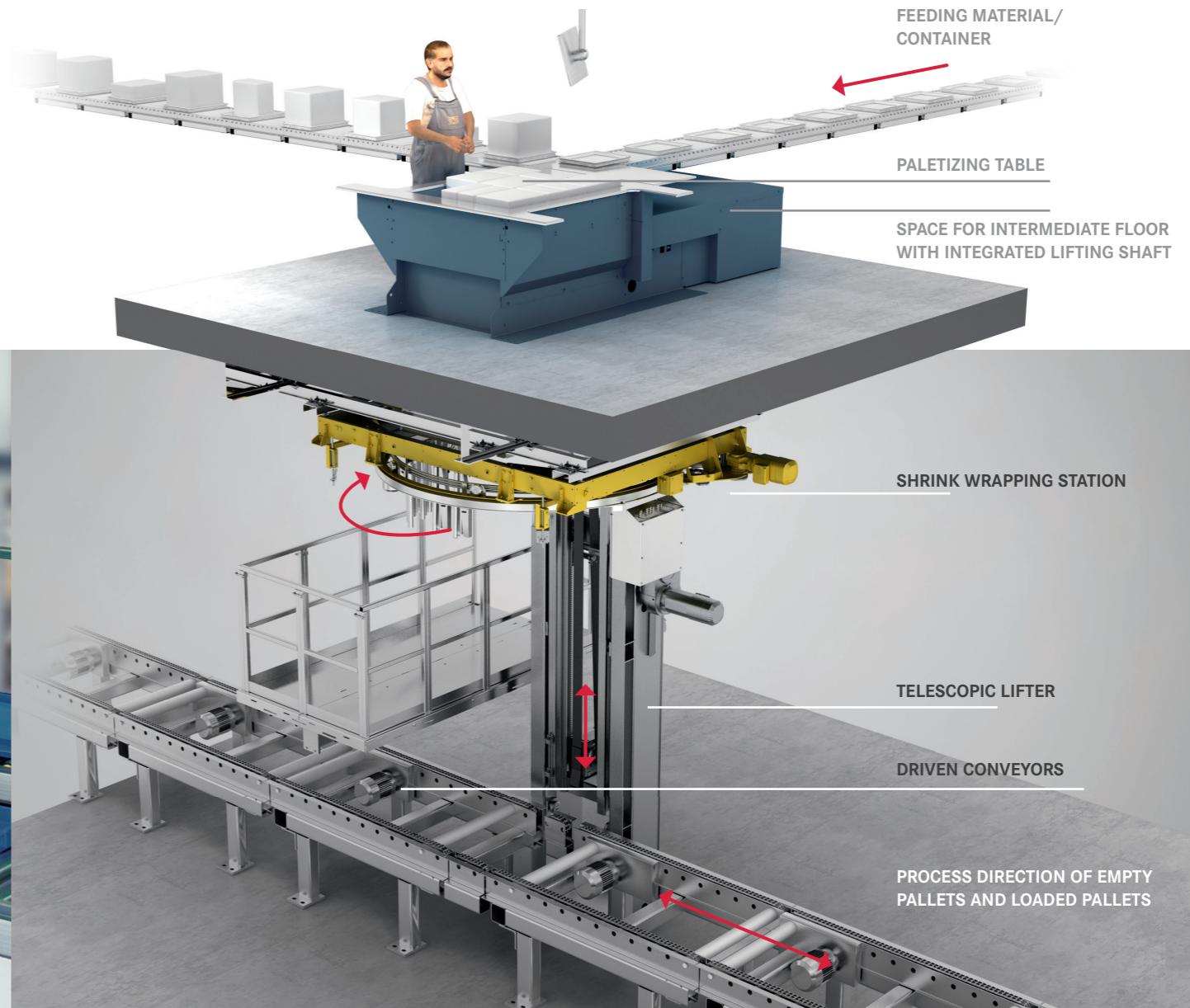
**800 PICK-UPS/HOUR**

**AUTOMATIC LOADING SAFETY**

**SHORTER ORDER PROCESSING TIME**

**MINIMUM SPACE REQUIREMENTS**

**FLEXIBLE INTEGRATION**



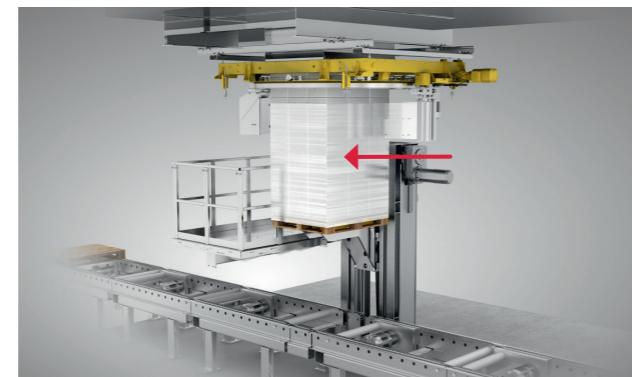
# CONTINUOUS PROCESS

## Automatic shrink wrapping station

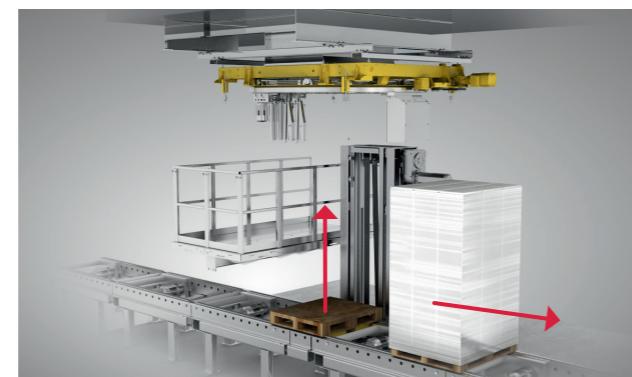
A pallet with varying products is loaded on the FAST PICK STATION table. These goods may be conveyed separately or on trays while the merchandise management system coordinates and ensures the proper sequencing. The operator can modify and/or control the height of the pallet at any time.



After staging the goods on the pallet, the full pallet is lowered automatically via the shaft to the shrink wrapping station. The shaft containment walls ensure that the load stays stable. This is especially important in pallets with mixed goods. As soon as the pallet is lowered, the shrink wrapping station contains the load automatically with a film. The goods are well-protected from slipping and ready for shipment.



The shrink wrapped pallet is automatically conveyed away and the work station is ready for the next pallet of goods. The exchange time between two carriers takes only a few seconds.



Meanwhile, optionally further operations can be processed on an intermediate floor and later the goods are simply moved onto the next pallet. Once the new pallet is in position the intermediate floor will be removed.



# HIGHEST EFFICIENCY

## Fast, flexible and reliable commissioning

Work more efficiently with FAST PICK STATION: one single staff can manage up to 800 pick-ups per hour – easy and comfortably, without heavy lifting. By tight process feed, the error rate is lowered nearly to zero during commissioning.

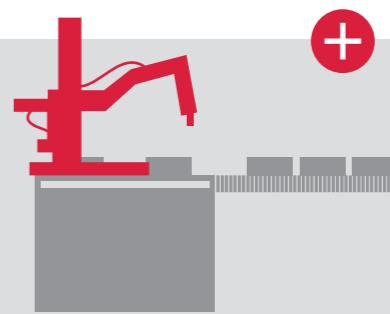
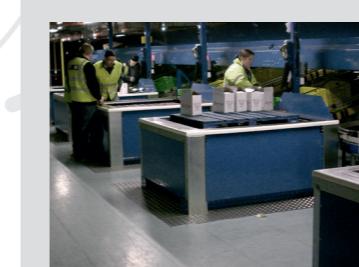
**Up to 800 pick-ups/hour**

**Short exchange times**

**Processing of different carriers**

**Low error rate**

The FAST PICK STATION can handle different carriers: euro pallets, ½-Euro pallets, industrial pallets, roller container, crates...



**Easy access:**  
The staff can chose the working position that is most convenient. Also, two persons can work at one FAST PICK STATION for even more efficiency.

**Continuous work flow:**  
Pallets can be exchanged within a few seconds. An optional intermediate floor can improve processing times.

**Even more efficient:**  
The FAST PICK STATION is also available with 6 axis robots.

# ERGONOMY

## Simplifying work, improving the process reducing the burden on staff

The FAST PICK Station positions the carrier – pallets, roller container and crates – always at the optimal height. The staff must not lift the goods anymore, only move it horizontally – an enormous simplification!

To ease the work more, the FAST PICK STATION can be combined with different lifting aids if desired.

**Ergonomic workplace**

**Safer workplace**

**Balustrade adjustable**



# COMMISSIONING

## More innovative WINKEL commissioning solutions

For more efficiency, ergonomics and safety during commissioning WINKEL offers a variety of lifting aids. No matter whether pallets, cardboard or container: With the compact and dynamic WINKEL solutions, you can adjust every carrier to the optimal working height and thereby avoid heavy lifting. This saves time, increases the efficiency of your processes and maintains health and safety.



**PALLET LIFTER:**

The power package with lifting capacity of 0.5 to 8 tons is available with electro mechanic or hydraulic motor – fixed or movable. The pallet lifter is used in the automotive industry for example.



**TANDEM PALLET LIFTER:**

Lifts two pallets with a lifting capacity of 2 x 1,500 kg, with low maintenance and high durability. Due to its compact construction, it is ideal for commissioning zones. The tandem pallet lifter is used in mercantile distribution centres.



**CONTAINER LIFTER:**

Lifts and lowers containers up to 700 mm – for ergonomically optimised workstations. Available as mono or duo construction with a loading capacity of 1 (resp. 2) x 250 kg. WINKEL provides plug-in container lifters with operating keys. The container lifter is used in the automotive industry for example.



Since 1981, **WINKEL** has been active in the linear motion and material handling industries. The company with headquarters in Illingen/Wuerttemberg began by supplying components to industrial trucks and lift masts for forklifts. Today, **WINKEL** is the market leader for heavy-duty linear motion and handling systems for 10 kg to 100 tons.

**WINKEL** is an international leader of customized systems integration. **WINKEL** components and systems are used in more than 8,000 companies in a wide variety of industries worldwide. **WINKEL** uses an innovative modular system approach that is applied within the smart palletizing and control system **FAST PICK STATION**.



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