KOOI® SYSTEMS

# HEAVY DUTY STATIONARY PALLET CHANGER

## HORIZONTAL PALLET EXCHANGERS DESIGNED FOR PRODUCTS THAT REQUIRE **A STABLE, NON-TILTING PALLET TRANSFER.**

- Heavy-duty, stationary pallet exchange machines for efficient horizontal pallet transfer.
- Suitable for pushing goods from wooden to plastic pallets or vice versa.
- Ideal for loads until 2000 kg
- Can be integrated into full pallet handling lines e.g., pallet dispensers.

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# STATIONARY PALLET EXCHANGER – **BUILT FOR HEAVY-DUTY PERFORMANCE**

Our stationary pallet exchanger is designed for robust and demanding operations, handling loads up to 2,000 kg. Products are smoothly transferred from one pallet to another without tilting or rotating.

This solution is widely used in the food and hygiene industries, where goods frequently need to be moved between plastic and wooden pallets, or from one-way pallets to stronger, in-house pallet types, ensuring compliance with hygiene standards and optimizing internal logistics.

## No manual handling means faster, safer pallet transfers — reducing both product damage and workplace injuries.

For decades, Meijer Handling Solutions has been a leading manufacturer of stationary pallet changers designed to transfer goods from one pallet to another without tilting or rotating the load. This makes our KOOI® pallet exchange systems ideal for food, and hygiene-sensitive products where product stability and contamination control are essential.

Our horizontal pallet exchangers ensure a smooth pallet-to-pallet transfer while eliminating manual handling, significantly reducing the risks of product damage and workplace injuries.

Because pallet sizes and operational requirements vary, many of our systems are custom engineered to fit your specific logistics process. We can integrate additional safety features and modify the load-handling platform to work seamlessly with forklifts, pallet trucks, and automated palletizing equipment.

### Key Benefits

- Stationary unit, heavy-duty design.
- Hands-Free pallet transfer.
- Horizontal load movement during pallet exchange.
- Goods transferred within 30 seconds.
- Aan en afvoer van pallets zelfs mogelijk met hand pallettrucks.
- Maximum capacity: 2000 kg.

### Safety: CAT3 / Pl d

All stationary pallet transfer units comply with CAT3 / PL d, ISO 13849-1 safety standards, ensuring fault-tolerant performance and a high level of risk reduction in the event of component failure.

Each machine is also equipped with a warning light and audible buzzer, while the scissor mechanism is safeguarded by a reachable plexiglass protection panel, providing both operational safety and clear visibility during use.

## Various platform configurations are available:

- **TLP-D**

Designed to hold two pallets simultaneously, the pallet with goods and the new pallet for transfer. Pallets can be placed onto the low platform using a (powered) pallet truck.

- **HLP-D**

Also designed for two pallets at once. Pallets are loaded using a forklift. This configuration allows the unit to be relocated when needed.

- **HLP-S**

Intended for situations where the pallet with goods is placed on the platform, while the receiving pallet remains on the forklift forks.

### Damage-Free Octabin Pallet Transfer

Octabins are large, octagonal bulk packaging units commonly used for liquids, powders, and granulates, products that must not be tilted or distorted during logistics processes.

To securely transfer these containers between pallets, our stationary pallet exchanger can be equipped with a dedicated Octabin Adapter. This specially designed interface supports the octagonal shape during horizontal movement, preventing deformation, damage, or loss of product integrity.

### Laser Light Curtain

Depending on the layout and available space, different safety configurations can be provided. A minimum of two columns is required to protect the long side, but additional columns (e.g., a third one for the short side) can be added if necessary.

The distance between the laser light curtain and the machine is determined by the approach speed of personnel and the system response time.

### Hygienic Design

For applications with strict hygiene requirements, the unit can be supplied fully or partially in stainless steel.

### Safety Sensors

Additional sensors can be integrated for enhanced safety—such as monitoring oil temperature and oil levels, or distance sensors that verify correct pallet positioning and confirm that the goods have been fully transferred.

### Components

We use components from reputable, well-known suppliers who guarantee high product quality, ensuring our units operate reliably and deliver consistent performance.

### Who we are:

Meijer Handling Solutions is part of the Meijer Group, which also includes Meijer Metal, one of the leading Dutch suppliers to OEMs in sectors such as transport, food processing and logistics.

Meijer Metal operates with a high level of automation, including a 24/7 production environment. Automated Guided Vehicles (AGVs) supply semi-finished parts from a buffer warehouse to advanced robotic cells for welding, bending, milling and other key processes.

Because Meijer Handling Solutions and Meijer Metal share the same facility, we maintain full control over production and quality throughout the manufacturing process. This integrated approach supports consistent product performance and dependable lead times.

### What We Also Offer:

We are the world's largest producer of telescopic forklift forks,  both manual and hydraulic, sold under the KOOI® ReachForks brand and manufactured in the Netherlands and Vietnam. In addition, Meijer Handling Solutions develops other unique load-handling attachments for forklifts and related equipment.

## Production and safety standards

Meijer Handling Solutions requires its KOOI® SYSTEMS to be of the highest quality and we can only guarantee this by complying with all applicable international standards.

**ISO 9001-2008**
Model for quality assurance in design/ development, production, installation and servicing.

**ISO 4406**
Hydraulic fluid power - Fluids Method for coding level of contaminations by solid particles.

**CE**
European Machinery Directives 2006/42/EC

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