

A man in a dark t-shirt is operating a reach forklift in a warehouse. The forklift is positioned between two rows of double-deep pallet racks, which are filled with cardboard boxes. The warehouse has a high ceiling with orange lighting fixtures. The forklift's mast is extended upwards, and the operator is looking towards the right side of the frame.

DOUBLE-DEEP PALLET STORAGE

MORE SPACE, LOWER COSTS, 30% EXTRA STORAGE CAPACITY WITH DOUBLE-DEEP RACKS

- Relatively inexpensive to purchase.
- Easy to assemble.
- Virtually no maintenance.
- Multi-functional.
- No structural modifications to the forklift are required.

ENHANCING EFFICIENCY AND REDUCING DAMAGE IN DOUBLE DEEP STACKING

As the industry leader in double-deep pallet storage solutions, KOOI® ReachForks are designed to optimize pallet handling processes and minimize product damage, especially when managing double-deep pallet racking. Whether in logistics, warehousing, or production environments, KOOI® ReachForks significantly enhances the efficiency and safety of material handling tasks.

What are KOOI® ReachForks?

KOOI® ReachForks are **hydraulically extendable forks** specifically designed for double-deep pallet storage, enabling the placement of pallets two deep in racking, saving valuable aisle space. The use of telescopic forks is both simple and cost-effective compared to other reach systems, making them an ideal solution for optimizing warehouse efficiency.

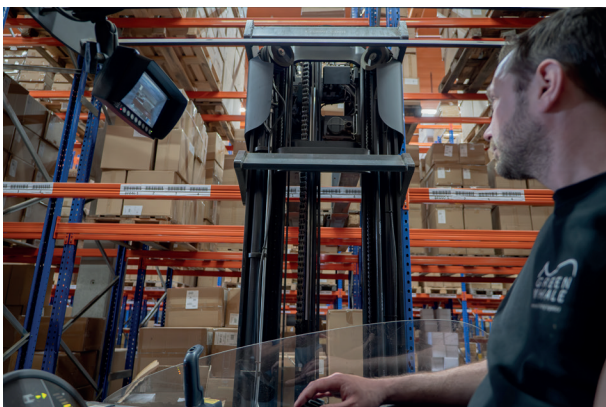
Double-Deep Pallet Racking

Double-deep pallet racking is a warehouse storage solution where pallets are stored two rows deep, optimizing storage capacity by reducing the number of aisles. This system allows for higher-density storage as one pallet is placed behind another. To access the back pallets, specialized forklifts with extended ReachForks are required. Double-deep pallet racking is particularly suitable for industries such as manufacturing, logistics, and retail, where efficient space utilization and high-density storage are essential for managing large inventories. The principle of double-deep pallet storage operates under the FIFO (First In, First Out) or LIFO (Last In, First Out) warehouse systems.

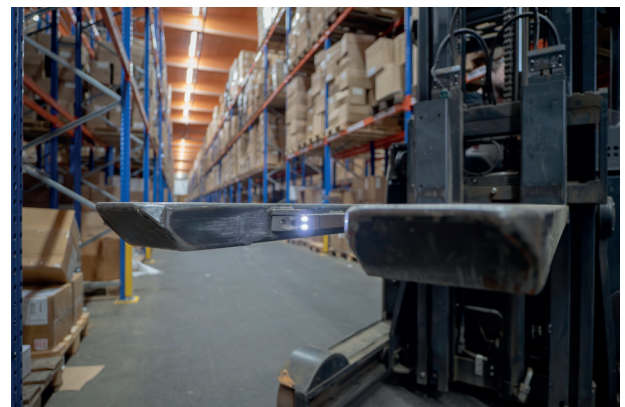


Smart Investment: How KOOI® ReachForks Pay Off

Unlike a pantograph system, telescopic forklift forks can be mounted directly onto the forklift without significant modifications. As with other reach systems, the forklift must, of course, be balanced, and an additional hydraulic function is required. With a minimal number of components, the ReachForks are nearly maintenance-free. These factors have led to Reach Trucks and Narrow Aisle Forklifts increasingly being equipped with KOOI® Telescopic forks.



KOOI® REACHFORKS



Key Benefits of KOOI® ReachForks for Double-Deep Stacking

Extra Storage Space

Double-deep pallet storage increases warehouse storage density by 30%. With a ReachTruck equipped with telescopic forks, pallets can be placed directly on the racking floor without the need for an additional beam, as required with a double-deep pantograph forklift. This eliminates the need to position the forklift's wheel legs under the beam, maximizing pallet storage space.

Ergonomics / Ease of Operation

If maintenance is needed, ReachForks can be quickly swapped out. With minimal wear parts, maintenance is fast, allowing the extendable forks to stay on the truck. Like any other attachment, the telescopic forks are easily operated from the driver's cabin. Efficiency is further enhanced with a camera system that displays the fork position relative to the pallet pockets.

Reducing Costs and Energy Consumption

ReachForks are significantly lighter and have fewer components than pantograph reach systems, making them more affordable to purchase as equipment and reducing ongoing maintenance costs. Additionally, the combination of a forklift with ReachForks consumes less energy, as the lighter weight of the telescopic forks requires less effort to move, resulting in greater energy efficiency.

Forklift / Truck Driver Satisfaction

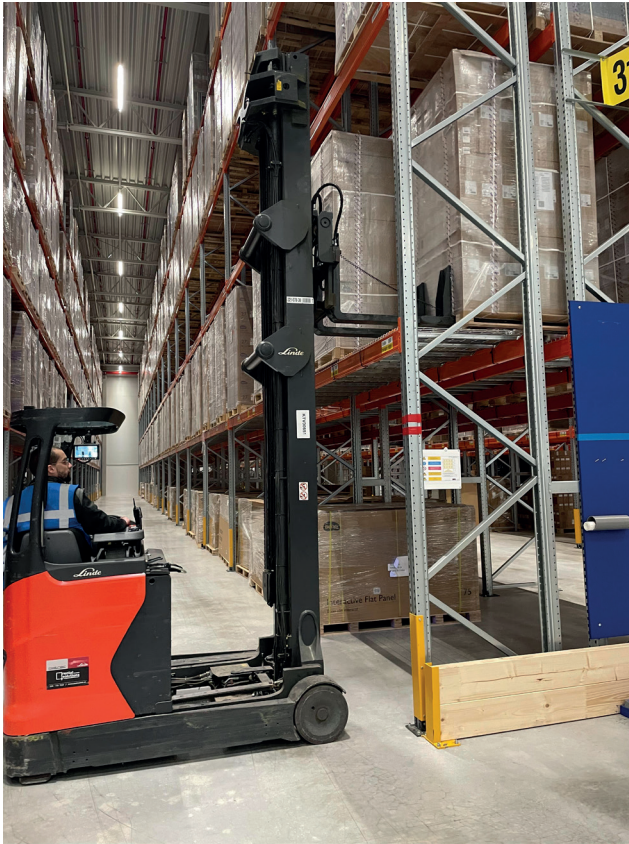
With ReachForks, operators can easily adjust the fork length from the cabin, and the absence of a pantograph mechanism ensures an unobstructed view. This reduces operator stress, allowing them to perform their tasks with greater confidence and satisfaction. As a result, they not only enjoy their work more but also achieve higher productivity.

How do KOOI® ReachForks Work?

The technology behind KOOI® ReachForks is simple yet powerful. Using a hydraulic system, the forks can extend and retract as needed, allowing pallets to be placed deeper into storage racks. The "synchronization system" developed by Meijer ensures that the outer tubes move simultaneously, ensuring safe operation.

KOOI® ReachForks can be easily mounted on a forklift and require an additional hydraulic function, which can be implemented via extra hoses over the forklift mast or through a solenoid valve. Even with a high-capacity forklift, you will still benefit from the described advantages and cost savings.





Why choose KOOI® ReachForks?

Proven Reliability

Trusted by industries worldwide, KOOI® ReachForks are engineered with high-quality materials, ensuring durability and long service life. More than 100,000 sets are already operational within logistics and KOOI® ReachForks can be applied to all renowned brands.

Customizable Solutions

Tailored to fit the specific needs of your operation, KOOI® ReachForks are available in various models and sizes to handle different pallet dimensions, capacities and mounting connections.

Sustainable Operations

With reduced energy consumption and fewer forklift movements required, KOOI® ReachForks contribute to more sustainable and environmentally friendly warehouse operations.

About Meijer Handling Solutions

Meijer Handling Solutions is the global leader in material handling attachments. We are committed to providing innovative solutions like KOOI® ReachForks to help businesses improve their operational efficiency and reduce costs.

Production and safety standards

Meijer handling Solutions requires its KOOI® REACHFORKS 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 13284

Fork arm extensions and Telescopic fork arms. Technical characteristics and strength requirements. (Safety factor of 3 at all times).



ISO 4406

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



ISO 3834-2

Quality requirements for welding. Fusion welding of metallic materials.



ISO 2330

Manufacturing, testing, and marking requirements for solid-section fork arms, for quantity production and with all types of mounting.



CE

European Machinery Directives 2006/42/EC



Scan for more information

Meijer Handling Solutions B.V.

Oude Bildtdijk 894 | 9079 NG Sint Jacobiparochie | The Netherlands
+31 (0)518 49 29 29 | info@meijer-group.com | www.meijer-handling-solutions.com