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# COMPLETE PROGRAM.

Comprehensive solutions for your material handling needs.



**ISO 9001** The German production facilities  
**ISO 14001** in Norderstedt, Moosburg, Landsberg  
and Kaltenkirchen are certified.



Jungheinrich trucks  
conform to the European  
Safety Requirements.

**Jungheinrich NV / SA**

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 **JUNGHEINRICH**

 **JUNGHEINRICH**

# Industrial trucks for stacking, transporting, storing, order picking and automation.



We make logistics a crucial factor in your success – cost-effective, reliable and tailored to your needs.

We offer the right pallet truck, forklift truck, order picker or tow tractor for every application.

Irrespective of the lift height, surface or transport distance – with more than 600 truck models there is bound to be a solution for your application among them. Our product range features manual, semi-automatic and fully automatic machines for your every need.

Requirements are as diverse as the industries and sectors. If our series products do not adequately meet your particular transport requirements, a special build solution may be the answer.

But first you should have a look at our standard trucks (overview on the right) to see if we have what you need. For example, if you need to transport goods over short distances without having to stack them on a rack, you will find the AM hand pallet truck and EJE C electric pedestrian pallet truck under the headings “Transporting” and “Short distance”.

Our table provides an initial overview of our truck range. Of course we will be available to provide with help and advice for all your detailed questions.

Throughput	From the floor	<b>EFG</b> Electric 3-wheel forklift truck with front drive	<b>EFG</b> Electric 4-wheel forklift truck	<b>ETM/ETV</b> Reach truck	<b>ETV C</b> Reach truck for indoor and outdoor use	<b>ETV Q</b> Multi-way reach truck for long goods		
	Over ramp	<b>AM</b> Hand pallet truck	<b>EJE</b> Electric pedestrian pallet truck	<b>ERE</b> Electric pedestrian pallet truck with stand-on platform	<b>ESE</b> Electric stand-on and sideways-seated pallet truck	<b>EJD</b> Electric pedestrian stacker for double-deck loading	<b>ERD</b> Electric pedestrian stacker with stand-on platform for double-deck loading	<b>ESD</b> Electric stand-on and sideways-seated stacker for double-deck loading
Transporting	Short distance	<b>AM</b> Hand pallet truck	<b>AME</b> Electric pedestrian pallet truck	<b>EJE</b> Electric pedestrian pallet truck	<b>EJE C</b> Electric pedestrian pallet truck with ergonomic lift	<b>EJC</b> Electric pedestrian stacker	<b>EJD</b> Electric pedestrian stacker for double-deck loading	<b>EZS</b> Electric pedestrian tow tractor
	Medium distance	<b>ERE</b> Electric pedestrian pallet truck with stand-on platform	<b>ERC</b> Electric pedestrian stacker with stand-on platform	<b>ERD</b> Electric pedestrian stacker with stand-on platform for double-deck loading	<b>EZS</b> Electric stand-on tow tractor	<b>EAEa</b> Mobile robot Low-level applications	<b>arculee</b> Mobile robot Underload transport	<b>SOTO</b> Mobile robot Tote handling
	Long distance	<b>ESE</b> Electric stand-on and sideways-seated pallet truck	<b>ESC</b> Electric sideways-seated stacker	<b>ESD</b> Electric stand-on and sideways-seated stacker for double-deck loading	<b>EZS</b> Electric sit-on tow tractor	<b>EREa</b> Mobile robot Low-level applications		
Storage/stacking	Lift height up to 6,200 mm	<b>AMC</b> Electric pedestrian stacker	<b>EJC</b> Electric pedestrian stacker	<b>ERC</b> Electric pedestrian stacker with stand-on platform	<b>ESC</b> Electric sideways-seated stacker	<b>ERCa</b> Mobile robot High-stack applications	<b>EKSa</b> Mobile robot High-stack applications	
	Lift height up to 9,000 mm	<b>EFG</b> Electric 3-wheel forklift truck with front drive	<b>EFG</b> Electric 4-wheel forklift truck	<b>ETV C</b> Reach truck for indoor and outdoor use	<b>EFX</b> Tri-lateral stacker			
	Lift height up to 18,000 mm	<b>ETM/ETV</b> Reach truck	<b>ETR</b> Pantograph reach truck	<b>ETV Q</b> Multi-way reach truck for long goods	<b>EKX</b> Order picker/tri-lateral stacker with lifting operator cabin	<b>EKXa</b> Mobile robot Automated VNA storage		
Order picking	Picking height up to 2 <sup>nd</sup> level	<b>EJE C</b> Electric pedestrian pallet truck with ergonomic lift	<b>ECE</b> Low level order picker	<b>ECD</b> Low level order picker	<b>EZS</b> Electric stand-on tow tractor			
	Picking height up to 14,345 mm	<b>EKS</b> Medium/high level order picker with lifting operator cabin						
	Picking height up to 16,530 mm	<b>EKX</b> Order picker/tri-lateral stacker with lifting operator cabin						



# Any height, any load: we have the right selection.

Over 600 truck variants.  
Rental and financing solutions · 5-star refurbished trucks.  
Service with competence.  
For maximum availability of your trucks.

## Pallet trucks



**AM 22/30**  
Hand pallet truck  
Max. capacity: 3,000 kg



**AME 13/15/16**  
Electric pedestrian pallet truck  
Max. capacity: 1,600 kg



**EJE 114i-120i**  
Electric pedestrian pallet truck  
Max. capacity: 2,000 kg



**EJE 114-120**  
Electric pedestrian pallet truck  
Max. capacity: 2,000 kg



**E3E C20i/C20**  
Electric pedestrian pallet truck  
with ergonomic lift  
Max. capacity: 2,000 kg



**E3E 222-235**  
Electric pedestrian pallet truck  
Max. capacity: 3,500 kg



**ERE 120i/125i**  
Electric pedestrian pallet truck  
with stand-on platform  
Max. capacity: 2,500 kg



**ERE 120-230**  
Electric pedestrian pallet truck  
with stand-on platform  
Max. capacity: 3,000 kg



**ERE 225i**  
Electric pedestrian pallet truck  
with fixed stand-on platform  
Max. capacity: 2,500 kg



**ESE 120**  
Electric stand-on pallet truck  
Max. capacity: 2,000 kg



**ESE 220-533**  
Electric sideways-seated  
pallet truck  
Max. capacity: 3,300 kg

## Pallet stackers



**AMC 12/12z**  
Electric pedestrian stacker  
Max. lift height: 3,600 mm  
Max. capacity: 1,200 kg



**E3C 010i**  
Electric pedestrian stacker  
Max. lift height: 3,600 mm  
Max. capacity: 1,000 kg



**E3C 110i/112i\*\***  
Electric pedestrian stacker  
Max. lift height: 4,700 mm  
Max. capacity: 1,200 kg  
Optional with mono mast



**E3C 212-230\*\***  
Electric pedestrian stacker  
Max. lift height: 6,000 mm  
Max. capacity: 3,000 kg



**E3D 118i/120/222**  
Electric pedestrian stacker  
for double-deck loading  
Max. lift height: 2,905 mm  
Max. capacity: 2,200 kg



**ERD 120/220**  
Electric pedestrian stacker  
with stand-on platform  
for double-deck loading  
Max. lift height: 2,905 mm  
Max. capacity: 2,000 kg



**ERD 220i**  
Electric pedestrian stacker  
with fixed stand-on platform  
for double-deck loading  
Max. lift height: 3,760 mm  
Max. capacity: 2,000 kg



**ERC 110i/112i\*\***  
Electric pedestrian stacker  
with stand-on platform  
Max. lift height: 4,700 mm  
Max. capacity: 1,200 kg



**ERC 214i/216i\*\***  
Electric pedestrian stacker  
with fixed stand-on platform  
Max. lift height: 6,000 mm  
Max. capacity: 1,600 kg



**ERC 212-220\*\***  
Electric pedestrian stacker  
with stand-on platform  
Max. lift height: 6,000 mm  
Max. capacity: 2,000 kg

## Order pickers



**ESD 120**  
Electric stand-on stacker  
for double-deck loading  
Max. lift height: 1,960 mm  
Max. capacity: 2,000 kg



**ESD 220**  
Electric sideways-seated stacker  
for double-deck loading  
Max. lift height: 1,660 mm  
Max. capacity: 2,000 kg



**ESE 214-316\*\***  
Electric sideways-seated stacker  
Max. lift height: 6,200 mm  
Max. capacity: 1,600 kg



**ECE 225**  
Low level order picker  
Max. capacity: 2,500 kg  
Optional with easyPILOT  
remote operation



**ECE 310/320**  
Low level order picker  
Max. capacity: 2,000 kg  
Optional with easyPILOT  
remote operation



**ECD 320**  
Low level order picker  
Max. capacity: 2,000 kg  
Optional with easyPILOT  
remote operation



**EKM 202**  
Small parts order picker  
Max. picking height: 5,324 mm  
Max. capacity: 215 kg



**EKS 110**  
Medium/high level order picker  
Max. picking height: 4,600 mm  
Max. capacity: 1,000 kg



**EKS 210-412**  
Medium/high level order picker  
Max. picking height: 10,845 mm  
Max. capacity: 1,200 kg



**EKS 310s/412s\*\*\***  
Medium/high level order picker  
Max. picking height: 14,345 mm  
Max. capacity: 1,200 kg

## Reach trucks



**ETV 214i/216i**  
Reach truck  
Max. lift height: 10,700 mm  
Max. capacity: 1,600 kg



**ETV 314i-325i**  
Reach truck  
Max. lift height: 14,000 mm  
Max. capacity: 2,500 kg



**ETV 210-216i/ETM 214/216**  
Reach truck  
Max. lift height: 10,700 mm  
Max. capacity: 1,600 kg



**ETV 318-325i/ETM 325**  
Reach truck  
Max. lift height: 14,000 mm  
Max. capacity: 2,500 kg



**ETV C16/C20**  
Reach truck  
Max. lift height: 7,400 mm  
Max. capacity: 2,000 kg



**ETV Q20/Q25**  
Multi-way reach truck  
Max. lift height: 10,700 mm  
Max. capacity: 2,500 kg



**ETR 214-320/316d**  
Pantograph reach truck  
Max. lift height: 11,354 mm  
Max. capacity: 2,000 kg



**ETR 420/416d**  
Pantograph reach truck  
Max. lift height: 11,354 mm  
Max. capacity: 2,000 kg

## Electric forklift trucks



**EFG 112**  
Electric 3-wheel forklift truck  
Max. lift height: 7,000 mm  
Max. capacity: 1,200 kg



**EFG 213-220**  
Electric 3-wheel forklift truck  
Max. lift height: 7,000 mm  
Max. capacity: 2,000 kg



**EFG 316-320**  
Electric 4-wheel forklift truck  
Max. lift height: 7,000 mm  
Max. capacity: 2,000 kg



**EFG 425-435**  
Electric 4-wheel forklift truck  
Max. lift height: 7,500 mm  
Max. capacity: 3,500 kg



**EFG 535k-550**  
Electric 4-wheel forklift truck  
Max. lift height: 7,500 mm  
Max. capacity: 5,000 kg



**EFG BA 113/115**  
Electric 3-wheel forklift truck  
Max. lift height: 6,500 mm  
Max. capacity: 1,500 kg



**EFG BB 216k**  
Electric 3-wheel forklift truck  
Max. lift height: 6,500 mm  
Max. capacity: 1,600 kg



**EFG BC 316-330**  
Electric 4-wheel forklift truck  
Max. lift height: 6,500 mm  
Max. capacity: 3,000 kg

## Tow tractors



**EZS 010**  
Electric pedestrian tow tractor  
Max. towing capacity: 1,000 kg



**EZS 130**  
Electric stand-on tow tractor  
Max. towing capacity: 3,000 kg



**EZS C40**  
Electric stand-on tow tractor  
Max. towing capacity: 4,000 kg



**EZS 350**  
Electric stand-on tow tractor  
Max. towing capacity: 5,000 kg



**EZS 570-5100**  
Electric sit-on tow tractor  
Max. towing capacity: 10,000 kg



**EZS 7280**  
Electric sit-on tow tractor  
Max. towing capacity: 28,000 kg

## High-rack stackers



**EFX 411/414\*\*\***  
Tri-lateral stacker  
Max. lift height: 9,000 mm  
Max. capacity: 1,360 kg



**EKK 410-516k\*\*\***  
Order picker/tri-lateral stacker  
Max. lift height: 18,000 mm  
Max. capacity: 1,600 kg

## Mobile robots



**arculee S/M**  
Mobile robot  
Underload transport  
Max. capacity S: 920 kg  
Max. capacity M: 1,300 kg



**EAE 212a**  
Mobile robot  
Low-level applications  
Max. lift height: 250 mm  
Max. capacity: 1,200 kg



**ERE 225a**  
Mobile robot  
Low-level applications  
Max. lift height: 125 mm  
Max. capacity: 2,500 kg



**ERC 213a/217a**  
Mobile robot  
High-stack applications  
Max. lift height: 4,400 mm  
Max. capacity: 1,700 kg



**EKS 215a**  
Mobile robot  
High-stack applications  
Max. lift height: 6,000 mm  
Max. capacity: 1,500 kg



**EKK 514a/516ka/516a**  
Mobile robot  
Automated VNA storage  
Max. lift height: 13,000 mm  
Max. capacity: 1,600 kg



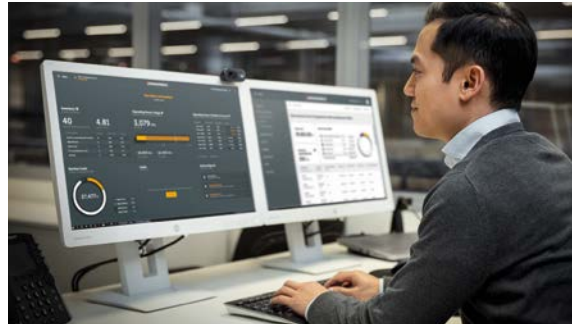
**SOTO**  
Mobile robot  
Tote handling  
Max. number of totes: 24  
Max. tote weight: 20 kg

## Digital products and software solutions



**WAREHOUSE MANAGEMENT: JUNGHEINRICH WMS**

- Intelligent management, control and optimisation of your warehouse.
- Optimum solution for warehouses of all sizes and complexities.
- Excellent warehouse technology integration.
- Unrivalled ease of use and future security.
- Wide functional scope including more than 180 highly optimised and individually configurable algorithms as well as artificial intelligence.



**FLEET MANAGEMENT: JUNGHEINRICH FMS**

- Transparent overviews of all relevant fleet data.
- Comprehensive cost analyses in order to identify savings potential.
- Automatic warnings if an individual set threshold is exceeded.
- In-depth analyses regarding the utilisation and deployment of trucks and batteries.
- Definition of access rights and pre-op checks as well as notification of impact events.



**MOBILE ROBOT MANAGEMENT**

- Combination of central order management and truck control.
- Continuous toolchain including reporting tool and visualisation in real time.

**INTERFACE MANAGEMENT: JUNGHEINRICH LOGISTICS INTERFACE**

- Versatile interface for your warehouse.
- Simple communication between trucks, warehouse equipment and software.
- Intelligent networking of individual areas and processes.

## IT hardware



**INDUSTRIAL IT: TERMINALS, SCANNERS AND ACCESSORIES**

- Truck and handheld terminals for paperless order processing in the warehouse.
- Error-free recording and labeling with scanners and label printers.
- Customer-specific Wi-Fi infrastructure as the basis for mobile data connection.
- Mobile workstations for locally flexible provision of scanners, printers and terminals.

## Assistance systems



**HIGHER PROCESS PERFORMANCE, INCREASED SAFETY**

- zoneCONTROL for safe and efficient forklift traffic in every application.
- Digital camera systems addedVIEW with additional features for the best visibility, collision prevention and error-free stacking and retrieval.
- Efficient and ergonomic: all systems can be used simultaneously on one display.

- Optional with additional lift
- Optional with additional lift or wide-tread version
- Optional with warehouseNAVIGATION

In addition, we also offer trucks made of stainless steel, with hot galvanisation, for cold store operations, in explosion-proof version, with the option to fully customise a truck – to your exact specification.

Not every truck and service is available in every market.





# System provider with experience.

Intelligent material handling is the best possible interaction of human, machine, software and individual storage environment. We optimise the flow of goods for you – for highly efficient warehousing processes.



## Planning & configuration. Customised logistics process.

Together with you we plan and project your new logistics solution. With our experience from many industries and companies of different sizes, we provide you with the solution tailored to meet your needs.

- Questioning old structures and creative thinking.
- Individual solution identification with the optimal degree of automation.
- International experience in a wide range of industries.

## Implementation & system integration. A one-stop shop.

As a general contractor, we ensure that every step in the process is carried out with pinpoint accuracy and ensure that all components interact perfectly. Maintaining everything from a single source means optimal process reliability for you – during the project and when operating your system.

- Reliable, transparent project management.
- One contact partner for all functions.
- Everything from a single source, ensuring all components work perfectly together.



## Service & support. By your side for the long term.

With a service network that is unique in the industry, we are always at your side, even after the project has been completed. Our service technicians carry out maintenance, inspections, safety inspections and repairs. And our software support hotline is available around the clock if you wish – to minimise downtime and ensure optimal system availability.

- Worldwide, reliable and cost-transparent service.
- A competent partner by your side around the clock.
- Highly qualified service technicians for all requirements.

## Efficiency in motion.

Automation from analysis to satisfaction.





# Warehouse equipment.

Rackings and systems – a pillar of strength in your warehouse.

## Pallet storage



Multi-bay racking



Shuttle compact storage system with UPC (up to 1,500 kg)



Mobile racking

Well-designed racking is the backbone of your warehouse. Once built, it must not only carry loads but also accommodate changes. Future-proof planning is therefore essential. At Jungheinrich, we have been focusing on in-house developments, individual solutions and the highest quality for more than 60 years.

## Built on partnership: future-proof racking systems from Jungheinrich.

Planning a warehouse requires vision as well as people with the necessary expertise, such as the developers of the first Jungheinrich rack "Hubertus", which continues to offer outstanding performance in warehouses across the globe. Is your warehouse vulnerable to earthquakes? No problem! We can provide you with suitable system components for your new rack – the perfect support for heavy loads and tailor-made for use in earthquake zones. No matter how complex your requirements, you can trust in the skills of the Jungheinrich experts: They are at your side throughout the entire process, from the initial idea to the final implementation. They will work with you to analyse your processes and subsequently develop a structurally and financially stable rack concept – one that you will not find anywhere else in the world. And they will implement this concept on-site with maximum precision, while complying with the strictest quality standards.

## Our responsibility for certified quality.

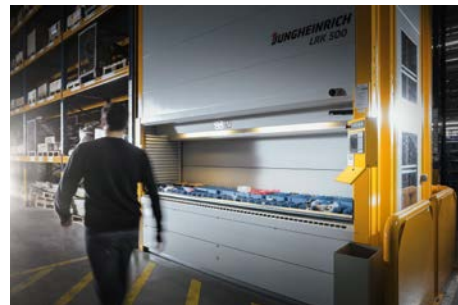
Our racking systems are produced at locations in six countries and the components undergo regular testing in our test centre in Germany, in addition to the independent material tests that are required. This is how we guarantee the highest quality standards. The certification of one of the first pallet racking systems with a general building authority approval (DIBt) as well as the RAL quality seal is just one piece of evidence for this.

And even when your racking solution is in place, we ensure constant quality and safety in your warehouse. On request, one of our 120 certified inspectors will carry out the annual inspection required by **DIN EN 15635**. If anything is missing, you can order the original spare parts from the inspector right away – saving valuable time.

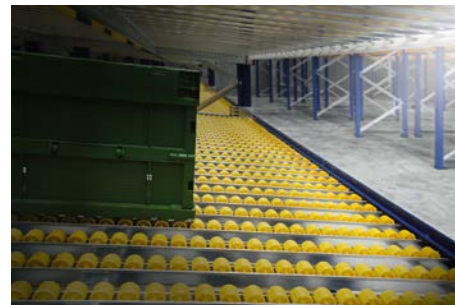
## Small parts storage



Shelving



Vertical lift system



Carton-live storage

## Long goods storage and platforms



Cantilever racking



Mezzanine floor

We also offer other racking types to your exact requirements.

