

Empty container handlers for your world



What's your world like?

The circumstances of each lift truck driver can be very different: local environment, climate challenges, load capacities, height specifications and individual needs are just a few examples of how they can vary. By listening to you and observing your world, we can design and deliver a lift truck that is ideal for your requirements.

Built for your world

We understand that the world that matters most to you is your world, not ours. Here at Konecranes Lift Trucks, we listen to, learn from, design for, deliver to and support you to help you succeed in the unique conditions at your operations. Our lift trucks are your lift trucks. They are built for your world.

Taking on the world

Lift trucks carry the coffee we drink, the paper we write on, and the bricks that build our homes. Almost everything around us, from cocoa to car parts, has been transported by lift trucks at some time. They play an essential role in the logistics of international trade.

Since our humble beginnings in Sweden over 60 years ago, Konecranes Lift Trucks has risen to become a highly valued part of that global trade network, renowned for our quality design, advanced technology and innovative solutions that have transformed the heavy lifting business. And our lift trucks only exist because of our people, who personify our company with their expertise and tireless dedication.



"The machines from Konecranes are very reliable and good quality, which is very important for us living in the middle of nowhere here in the Faroe Islands. Only the best of the best is useful for us. And if necessary, we can always call for help, day and night and get the support we need."

- Johann Behrens, Fleet Manager, Faroe Ship, Faroe Islands

Branding your trucks

The Konecranes name is world famous for reliable, lasting and technologically advanced equipment for materials handling. Whether you need one or one hundred, a standardized fleet or machines specially tailored for your unique challenges, the Konecranes empty container handlers portfolio is as varied as our customers' requirements.

Your empty container handlers are special, and not just because they come from Konecranes. They play a key role in your port or terminal operations. So some customers like to personalize their trucks with company colors, logos or other identifying marks, to show how important their Konecranes lift trucks are, while also making them truly unique.



Safety never ends

Material handling is dangerous work, so safety is the number one priority every single day. Because no two sites are exactly the same, we offer a wide variety of safety options to help you to maximize the safety of the people working in your world.



Top tips for improving safety

Every Konecranes empty container handler includes plenty of built-in safety features. Here are just a few of the ways you can improve the safety of your empty container handlers even further.

Cabin protection

The Over Head Guard is a steel frame mounted around the front and sides of the lift truck cabin that creates a buffer zone between any falling object and the external surface of the cabin for extra protection from potential damage or injury. Its open design ensures no obstruction to visibility.

Cameras, sensors, lights and warnings

LED light bars, warning lights, reverse cameras and laser sensors all improve visibility and audible warnings (such as reverse alarms) help in low visibility conditions.

CheckApp

This mobile truck inspection tool guides drivers through truck inspections. Quicker and easier inspections mean safer trucks, and immediate results help you to plan ahead.

Start with prevention. Your technicians and drivers must be properly trained on Konecranes empty container handler. Then built-in safety features combined with preventive maintenance, CheckApp mobile inspections and taking advantage of Lifetime Advantage upgrades provide the safest empty container handlers you can imagine.

Konecranes uses secure Internet to ensure the safety of your usage data as it travels from the trucks to your KONECRANES.com, the customer portal where you can analyze and plan your operations in detail.

Standards matter. Konecranes keeps up with regulatory changes to ensure that your empty container handlers comply with your local safety requirements, international safety standards and general good practice for the safe use of lifting equipment.



Innovations like Over Head Guard-Safety cage cabin protection and Konecranes CheckApp are not important because they are cutting-edge, but because they make your work environment safer. They protect your drivers and ground staff.

Customized lift trucks performance and impress

Established in 2010, Depot Service Rauma Ltd (DSR) runs container services at the Port of Rauma, on the western Finnish coast. They handle, inspect, repair, store and sell empty containers for shipping customers coming through the port. With just 15 employees, they provide a valuable service for what is the largest port in the region and Finland's largest paper exporting port.

Fast-moving, high-tech container movers

DSR serves container owners, container leasing companies, and major shipping lines. Mostly, they move empty containers in and out of the depot area. However, containers suffer wear and tear from use, and need regular service and repairs, so they must sometimes be taken to a repair yard as well and transported to the interchange area, where the terminal operator prepares them for loading. Running on tight schedules, a high volume of containers must be in exactly the right place at exactly the right time, so DSR needs safe, fast and powerful equipment with low downtime.

In 2015, DSR bought their first Konecranes lift truck empty container handler. After some time of operation with the initial unit, the drivers requested some specific adjustments for their particular working environment that would have improved their comfort and work efficiency. Konecranes were able to provide a machine with every one of their requirements met which in 2017 led to an order for 3 more units with this improved specification.

They now have a total of four Konecranes SMV 7/8 ECC 90 empty container handlers with a 9-ton capacity. This particular model can sense the container load, adapting its lifting power to the weight, and can go 8 containers high thanks to its wide mast. Ideal for the harsh Finnish winter, it has reheaters for both the engine and hydraulics, and a pausebreak heater for when the engine is shut down or idling. A light console on the roof, a reverse alarm and a rotating warning beacon all maximize visibility and safety. The special modifications requested by the drivers were increased spreader working speeds, additional platforms in front of the cabin window for cleaning and a high-mounted, tilted cabin for better visibility and ergonomics.

Through TRUCONNECT® Premium, the Operations Manager monitors the four lift trucks remotely, as his office is off-site.



Company: Depot Service Rauma Ltd

Industry: Port & Terminal

Country: Finland

RFID Smart-Start gives access to driver performance data to help plan training.

"These Konecranes machines have significantly improved our speed, productivity and safety while minimizing operational costs," says Teemu Heikkala Finance Manager at DSR. "Konecranes really listened to our drivers and we consider them to be a vitally important partner supplier. We will be discussing our next lift truck purchase with Konecranes."

Lowering emissions, lowering costs

The World Health Organization says that Finland has the best air quality in the world, and it has very strict environmental regulations to ensure that the air stays clean. All the SMV 7/8 ECC 90 empty container handlers follow these local rules. With a certified low-emission engine for extra-high torque at low revs, both fuel consumption and noise levels are low as well. DSR also chose the HLL (Hydraulic Long-Life) filter system, which extends the life of hydraulic oil up to three times longer than a traditional filter, and the automatic engine shut-down timer, to ensure fuel is never wasted.

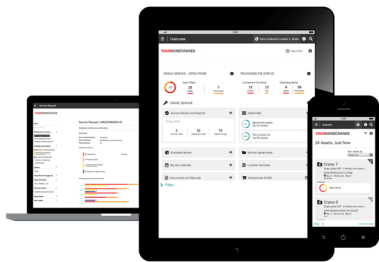
"Our drivers operate and take care of the lift trucks as if they owned the machines themselves," continues Mr Heikkala. "Lower emissions and noise levels not only help to maintain their health and benefit the environment, but a decrease in operating expenses also makes our business far more cost efficient. It's a winning solution for everybody: us, our drivers and Konecranes."

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– Teemu Heikkala, Finance Manager, DSR

Smart Connected Lift Trucks

We connect data, machines and people to provide you with the insights that allow you to optimize your empty container handler fleet.



yourKONECRANES

All the data from your Konecranes empty container handlers travels securely to our customer portal yourKONECRANES, a user-friendly single point of access for comprehensive information on your fleet and its performance. Customized settings simplify maintenance and asset management.

“Through yourKONECRANES.com, we can follow the performance of each truck, including productivity, operational efficiency and fuel consumption. We can also predict parts needed for future preventive maintenance and repair. This feature will optimize both time and resources.” says Mr. Yu Debin, General Manager of Tianjin Sinotrans Container Development.

To assist you in important operational decisions, we’ve made our empty container handlers smart and connected. Keep up to date with your equipment using analytics about the current condition by sending analytical data to the online customer portal yourKONECRANES. There you can adjust equipment settings, plan maintenance, and optimize your operations for your world.

Konecranes TRUCONNECT telematics and the yourKONECRANES customer portal offer near real-time monitoring and diagnostics. Online trucks allow you to follow truck movements, check oil, monitor tire pressure, improve energy consumption and much more that will boost the safety and efficiency of your operation.

In 2012, we sold our first Smart Connected Lift Truck. Since 2022, TRUCONNECT® has been standard on all new Konecranes lift trucks.



Explore more
www.kcliftrucks.com/digital-solutions

Get your Lifetime Advantage

After you purchase a Konecranes empty container handler, we offer you far more than just after-sales service. You can get resources for truck maintenance, fleet management, investment growth and safety enhancements, all backed up by a dependable support network.

Because this is available to you for the entire life cycle of your Konecranes empty container handler, we call it the Konecranes Lifetime Advantage. It’s a better experience.



A smarter maintenance experience

Our Smart Connected Lift Truck resources give you a clear view of your Konecranes machine. See its current status along with its overall performance. Then access simple-to-use tools such as CheckApp and Maintenance Planner to put your insights into action. A clear view leads to smart maintenance and a lifetime of reliable performance.



A wiser management experience

Konecranes digital tools help you to better assess the efficiency, cost effectiveness and productivity of your empty container handler fleet. Understand how your machines are being used, the driving patterns of your team, and the overall sustainability of your operation. Accurate, up-to-date knowledge means smarter decisions and a lifetime of fleet efficiency.



A cleverer investment experience

Your empty container handler fleet is a significant investment. We help you to preserve its value through our upgrade packages, retrofits and sustainability improvements. You get a feeling of “money well spent” with a reliable fleet that gives you a solid return on your investment. The longer you stay with us, the better your investment will look.



A safer driving experience

Safety is embedded in everything we do. It’s the first thing on our minds when designing our empty container handlers, when thinking about their maintenance, and when considering your drivers’ day-to-day machine handling experience. A safer empty container handler is a better empty container handler. Lifetime Advantage prioritizes safety in and around Konecranes lift trucks.



A dependable team with experience

With the deep knowledge that comes from many decades of designing, manufacturing and selling empty container handlers, we offer you outstanding technology and expertise through carefully chosen distributors who are fully committed to the success of our customers. For the entire life cycle of your equipment, we will always be at your side.

Genuine Konecranes parts and promotions

Genuine Konecranes parts are the best protection for your investment increasing the reliability and performance of your Konecranes empty container handlers.

Explore more
kcliftrucks.com/lifetime-advantage



Konecranes Ecolifting

Every Konecranes empty container handlers is designed with environmental sustainability in mind. Our knowledge and innovative technologies help to make lifting and material flows more productive while minimizing waste, energy and time throughout the value chain.

Uncompromised performance

Konecranes Ecolifting future-proofs your lift truck fleet by significantly decreasing your fuel consumption, on-site emissions and overall carbon footprint without reducing performance. Not only do our factories use renewable energy, but our trucks are available with a range of technical innovations and energy options so that you can choose the solution that best suits your world.

KONECRANES
ecolifting



Less CO₂ per move

The Path to Ecolifting offers solutions that decrease your carbon footprint without reducing performance.

1. Change from conventional diesel to biofuel.
2. Make your diesel drives as eco-efficient as possible.
3. Step forward to fully electric equipment.

Eco-efficiency by default

Proper maintenance using genuine Konecranes parts and services extends the service life of your lift trucks with lower fuel consumption, less wear and tear and more efficient use of resources

HVO100

The latest generation of Konecranes empty container handlers can use HVO100, a 100% renewable and fossil-free chemical copy of diesel fuel made mostly of vegetable oil. With almost the same characteristics as regular diesel, it reduces carbon emissions by up to 90%. This is a fast and economical transition that doesn't require changes to your local infrastructure.



Every industry has its own special requirements. The equipment must be customizable to your particular business, so you don't have to tailor your operations to the limitations of the equipment.

Driver-friendliness

For the driver spending countless hours in a lift truck, the most important thing is probably not the return on investment or the overall performance of the fleet. Drivers want to feel secure and comfortable, and have the opportunity to do their jobs with precision and effectiveness.

Meeting the needs of drivers



The OPTIMA cabin is designed to enhance comfort, safety, and productivity for Konecranes lift truck operators. It is the market leader in terms of visibility, featuring large, unobstructed windows that provide remarkable sightlines in all directions. The cabin also includes an integrated touch screen for full monitoring of vital components and ergonomic instrumentation for easy access to controls. The driving experience is further improved with adjustable seating, climate control, and low noise levels. Its robust steel structure ensures durability, while customizable options like lift controls and cabin positioning cater to various operational needs.

06 SMART LOAD-SENSING HYDRAULICS

Specially designed hydraulics sense the weight of the load and adapt lifting power accordingly. The truck gives maximum power only when needed, so it consumes less fuel while reducing emissions and noise.

04 OUTSTANDING ERGONOMICS

With driver-focused design, the OPTIMA cabin is one of the most spacious on the market. Everything is within easy reach. Visibility is excellent in all directions.

02 ELECTRONIC MACHINE CONTROL

The EMC Master displays all vital components and functions on a 7-inch touch screen. CanBus technology improves engine and transmission reliability as well as hydraulic and joystick control.



01 VERY FAST LIFTING AND LOWERING

With few hoses and cables, you have minimal maintenance and downtime. A heavy-duty mast and tilt cylinder offers high stability and safety.

03 SINGLE AND DOUBLE STACKING

Telescopic sidelif spreaders handle standard 20–40 ft containers or non-standard 45–53 ft containers. Large sideshift, mechanical pile slope and optional hydraulic pile slope. Single mode lifts up to 8 containers high, and double mode lifts up to 2-over-6.

05 ECO-EFFICIENT ENGINE

A certified low-emission engine provides extra-high torque at low revs for reduced fuel consumption, driveline adjustments improve efficiency still further and HVO100 biofuel minimizes emissions.

07 MAINTENANCE-FREE BRAKES

Brakes with continuous oil cooling provide full braking force in every situation.

People are your most valuable asset. Driver-friendly trucks facilitate the well-being and work of the drivers. Cabins that are well-designed for long shifts and demanding conditions lead to relaxed and more effective drivers. Konecranes cabins put your drivers in a position to succeed – to be their best at what they do.

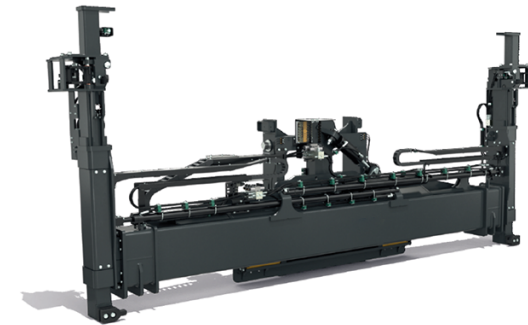
We have the attachment

Lift your containers with the right attachment.



Single stacking spreader

Telescopic side lift spreader with vertical twist locks for handling single empty 20 and 40 ft ISO and Binnencontainers up to 9 tonnes and 45 ft container in the 40 ft position. It is designed to be integrated in the mast of an empty container handling truck. The latest model features a reinforced structure, enhanced durability, an optimized hydraulic system and improved visibility for the driver. A version with hydraulically adjustable heads is available as option.



Double stacking spreader

An 11-ton telescopic side lift spreader for handling two empty ISO/refrigerator containers simultaneously. It engages and secures the containers with two horizontal lifting hooks and side clamps. Ideal for heavy-duty double handling applications, combined with handling eccentric load, it can take double reefer containers with refrigeration units aligned. This simplifies handling and improves lifting efficiency.

The latest model features a reinforced spreader with a stronger structure, enhanced durability, Power Pile Slope as standard, an optimized hydraulic system and improved visibility for the driver. A version with four horizontal twist locks is available as option.





Taking container handling to a higher level

When you buy a Konecranes empty container handler, you are investing in time-tested technology with innovative, eco-efficient features to enhance productivity and cut lifecycle costs. We offer a range of solutions and technologies to reduce engine, drive train and tire wear, extend

the functional life of your empty container handler and decrease your running expenses. When your lifting needs change, a well-maintained empty container handler also has high resale value.



8 Tons
3–6 high
Single stacking

MODEL NAME	CAPACITY	WHEELBASE
SMV 3 ECC 80	8 tons at 1220 mm	3750 mm
SMV 4 ECC 80	8 tons at 1220 mm	3750 mm
SMV 5 ECC 80	8 tons at 1220 mm	3750 mm
SMV 6 ECC 80	8 tons at 1220 mm	3750 mm



9 Tons
5–8 high
Single stacking

MODEL NAME	CAPACITY	WHEELBASE
SMV 5/6 ECC 90	9 tons at 1220 mm	4500 mm
SMV 6/7 ECC 90	9 tons at 1220 mm	4500 mm
SMV 7/8 ECC 90	9 tons at 1220 mm	4500 mm



10 Tons
4–8 high
Double stacking

MODEL NAME	CAPACITY	WHEELBASE
SMV 4/5 ECC 100 DS	10 tons at 1220 mm	4500 mm
SMV 5/6 ECC 100 DS	10 tons at 1220 mm	4500 mm
SMV 6/7 ECC 100 DS	10 tons at 1220 mm	4500 mm



11 Tons
4–8 high
Double stacking

MODEL NAME	CAPACITY	WHEELBASE
SMV 4/5 ECC 110 DS	11 tons at 1220 mm	4500 mm
SMV 4/5 ECC 110 DS	11 tons at 1220 mm	4500 mm
SMV 4/5 ECC 110 DS	11 tons at 1220 mm	4500 mm



Konecranes is a global leader in material handling solutions, serving a broad range of customers across multiple industries. We consistently set the industry benchmark, from everyday improvements to the breakthroughs at moments that matter most, because we know we can always find a safer, more productive and sustainable way. That's why, with around 16,500 professionals in over 50 countries, Konecranes is trusted every day to lift, handle and move what the world needs. In 2024, Group sales totalled EUR 4.2 billion. Konecranes shares are listed on Nasdaq Helsinki (symbol: KCR).

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