

LIFT WITH EASE

Efficient and ergonomic
material handling





Item No.: 89-Travers-Custom



Traverse

Maximum capacity (kg)

600

Customized overhead crane for efficient and ergonomic material handling

A custom-designed overhead crane is a flexible and efficient solution for handling lifting tasks in industrial environments where demands for ergonomics, precision, and productivity are high. The overhead crane system consists of a rail system with a suspension mechanism that allows lifting tools or hoists to be easily moved sideways over . This creates a smooth workflow where the load is always within reach.

For businesses with specific requirements, we offer customized solutions that take everything into account—from ceiling height and load-bearing capacity to workflows and safety. Our overhead cranes are designed entirely around your needs and adapted to the conditions of your facility, whether they are installed on the ceiling, on the wall, or via floor-mounted pillar. Thanks to this flexibility, the system can be integrated into both new and existing operations. The overhead crane can also be sized according to the desired width, lifting height, and capacity—up to 600 kg—making it suitable for a wide variety of workplaces, such as warehouses or industrial facilities.

The system is designed to be lightweight, quiet, and responsive. Its low friction means that the operator needs minimal effort to move the load, which contributes to a better work environment and reduces the risk of repetitive strain injuries.

What is an overhead crane?

A traverse is a flexible suspension system and consists of a rail system with suspension where the traverse boom has tracks with carriages. In these carriages you can hang a lifting tool or hoist. With a traverse system, the lifting tool slides smoothly and easily and is always at hand when you need it.

We offer various types of overhead cranes that can be mounted on existing pillar, walls, or ceilings depending on the work environment, and can lift up to 600 kg.

Crossbeams and rail systems

When is an overhead crane used?

An overhead crane is used when you need a high degree of flexibility to operate a lifting tool or hoist within a circular area. Unlike a crane jib, the overhead crane is stationary but covers a larger area. Overhead cranes are highly adaptable and can therefore be used for most lifting needs. They have a flexible

span, high lifting capacity, and can handle all of our lifting tools up to 600 kilograms.

Our overhead cranes are extremely smooth and quiet, which is essential for an ergonomic work environment where items are frequently lifted. Compared to other similar lightweight crane systems, operators need only one-third of the effort to move an object using our system. Reduced physical effort often leads to more efficient handling in the workplace.

Crossbeams for different ceiling heights and spans

Our overhead cranes can be used in spaces with both low and high ceilings. If the ceiling is very high, we can lower the crane. Approximately four meters is often the optimal crane height, as this provides enough space to both work and operate forklifts underneath without the risk of collision. The system can also be designed with a lower profile for environments with low ceilings.

Overhead tracks can be made in both long and short lengths. The overhead tracks we install typically have a span of 2-6 meters. However, we can install overhead tracks in very large, virtually unlimited areas. It is also possible to modify the rail system with a telescopic track to reach areas outside the overhead track's coverage. We can also make adjustments to your existing rail system from Lifts All, for example, if you want to expand it over time.

Different types of overhead cranes

We offer various types of overhead cranes depending on your work environment and how you perform your lifting operations:

Ceiling-mounted overhead crane

Overhead cranes are best installed on the ceiling, as this keeps them out of the way of workers on the floor. Ceiling installation means there is no need to use pillar gantries for anchoring. This allows the space to remain as uncluttered as possible. If the ceiling does not have sufficient load-bearing capacity, we can also provide solutions for mounting the overhead crane to the floor or wall.

Floor-mounted overhead crane

Floor-mounted overhead crane systems are often used in facilities where the ceiling's load-bearing capacity is insufficient. Floor-mounted overhead crane systems are either constructed using pillar, which allows for great flexibility in the system's design, or they are built using arches, which provide greater structural stability. In facilities with high ceilings, floor-mounted overhead crane systems are a better fit due to the shorter length of the hoist and the stability this provides during lifting operations.

Wall-mounted overhead crane

Wall-mounted overhead cranes are coupling the wall. This means that no special load-bearing capacity is required in the ceiling to install them.

Truss systems for cleanroom environments

The standard version of the rails in the overhead track system is suitable for cleanroom environments. Cover strips can be used to seal the grooves in the rails, which prevents dirt from accumulating in the track and meets the cleanliness requirements of industries such as the pharmaceutical and food industries.

What is the difference between an overhead crane, a gantry crane, and a hoist?

Traverse

An overhead crane is a rail system with a suspension mechanism. The overhead crane system consists of beams with tracks on which trolleys run. Lifting tools or hoists can be suspended from the trolleys.

Overhead crane

An overhead crane is very similar to an overhead hoist and serves the same purpose, but is designed to handle heavier loads. An overhead crane is typically motor-driven, whereas Lifts All's overhead hoists are manually operated.

Telfer

A hoist can be suspended from a crane. Just like a lifting tool, a hoist is also a device used for lifting. But while Lifts All's lifting tools are powered by a pneumatic cylinder, a hoist consists of a trolley with a lifting block driven by a motor. A chain or rope with a hook is often attached to the hoist. The hoist can sometimes be limited as a lifting device, whereas the lifting tool is precisely adapted to what it is designed to lift. A lifting tool is also dynamic in that it can be moved up and down smoothly and continuously, whereas the hoist is often more static.

How much does an overhead crane cost?

The cost of an overhead crane depends, among other things, on how long it needs to be, the space where it will be installed, and the lifting capacity required. If the ceiling is high, the crane may need to be suspended from the ceiling. If the ceiling does not have sufficient load-bearing capacity or is difficult to access, it may need to be installed on pillar. Contact us our knowledgeable sales engineers will assist you with a quote based on your needs.

What should you consider when buying an overhead crane?

You don't need to worry about anything in particular when purchasing an overhead crane from Lifts All—all you need to do is describe your needs to us. What are you lifting, and how do you want to lift it? In what kind of environment will you be lifting? Our sales engineers often visit your site to determine exactly what design you need to create the most optimal rail system possible.

Do you have to take a training course to operate an overhead crane?

In most cases, the overhead crane is used to suspend our lifting tools. We always provide training on how to use our tools and take the opportunity to adjust them according to their intended use.

Please Contact us you have any questions

Do you need help finding the overhead crane solution that best suits your business? Don't hesitate to contact us!



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