



# LTW CONVEYOR SYSTEMS

## A SEAMLESS FLOW OF MATERIALS, TAILORED TO YOUR NEEDS

Our turnkey solutions are an attractive option, as everything runs smoothly, from incoming goods to outgoing goods. This is because conveyor systems are the connecting element between manual and automatic transports. Once goods are received, they are usually passed on to the conveyor system which, in turn, transports the goods to the warehouse and transfers them to the stacker crane. But our products are as

diverse as our customers. Ranging from continuous conveyor technology, to goods identification and transfer cars, through driverless vehicles, we implement customized turnkey solutions for our customers.

The technology is designed to be robust and comes equipped with helpful features. And we have steadily improved and expanded our subsections over the years.



## LTW CONVEYOR SYSTEMS GOODS IDENTIFICATION

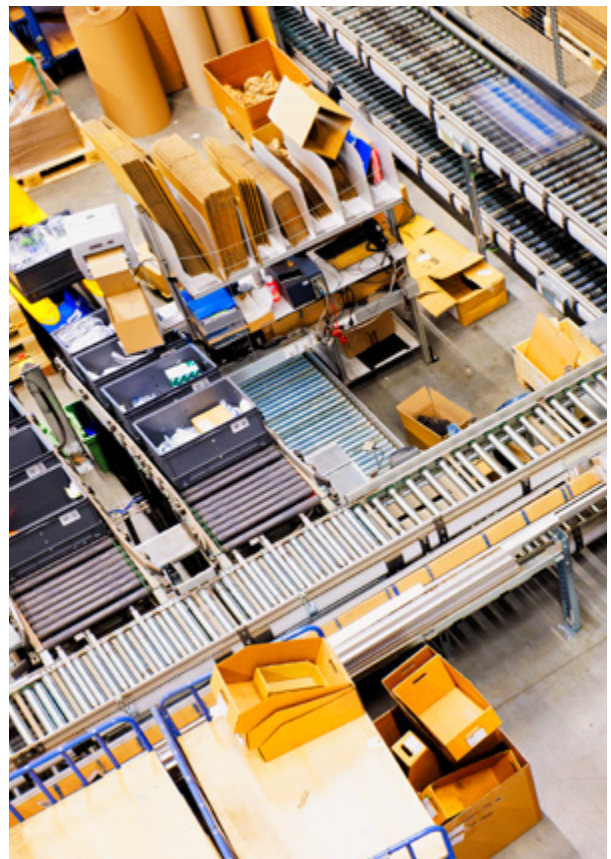
### The monitoring system

When putting a product into storage, it is placed on the conveyor line with the loading equipment. The storage process then takes place completely automatically. But before the product is transferred to the high-bay warehouse, it has to undergo a contour and weight check to ensure it does not exceed the maximum dimensions and weight. The product is also automatically identified by a camera system and the necessary data relating to the transport unit are automatically collected for storage in the system. If one of the checks is not OK, the transport unit is brought for manual correction. The employee can then look at which check the product didn't pass and fix the error before the product can be put into storage again.

## LTW CONVEYOR SYSTEMS E-COMMERCE

### Today's world of retail

Conveyor technology plays a key role in e-commerce in particular. In addition to keeping everything running smoothly in the high-bay warehouse, another key factor is linking up incoming and outgoing goods. Why? Because the required goods need to be stored in a place where employees can complete the picking process, package the products, and get them ready for dispatch. Stations for goods-in, picking, and packing must be perfectly connected to the flow of goods so your team can benefit from processes that are as simple as possible. And this is where our conveyor technology comes into play by making the flow of materials efficient – in conjunction with our intelligent intralogistics software running in the background. We create solutions that are perfectly tailored to our customers' processes.







## LTW CONVEYOR SYSTEMS **CARRY**

### **The flexible floor track system**

The single-rail floor track system is a special alternative to continuous conveyor technology. Two variants are available: the Basic and the Premium model. The Premium model has an integrated energy storage unit, allowing a variable route layout with switches, and the option of an empty vehicle buffer so Carrys can be put to best use for the required material flow.

What do the two have in common? They have the same mechanical construction with tried and tested LTW components, which means the Carry is low-maintenance, and service-friendly. There is no risk of derailment or collision with the floor track system, while the use of several vehicles creates a redundant system.

## LTW CONVEYOR SYSTEMS **USABILITY**

### **Quality is paramount**

Our conveyor system components are equipped with proven control technology in a modular design. We place an emphasis on robust and dirt-repellent versions from well-known manufacturers, simple options for expansion, and long product life cycles. Thanks to the new operating concept, manual interventions are completed quickly and safely.

All conveyor system components can be operated and controlled with mobile tablets via our intuitive user interface, LIOS Cockpit. The entire system visualization, material flow control, and the warehouse management system are also shown on a screen and seamlessly integrated to create the perfect overview. Need support via LTWcare, or spare parts? Thanks to LIOS Cockpit, it's all there with a tap on the tablet.



## LTW CONVEYOR SYSTEMS VERTICAL CONVEYOR

### Moving products between levels

The vertical conveyor is a genuine all-rounder. Not only can it be combined with a variety of different load handling devices, its height is virtually unlimited. It also saves a lot of space, and is highly robust – even deep-freeze temperatures are not a problem. The installed LTW belt technology ensures maximum positioning accuracy without delay, and reduces the maintenance requirement at the same time. When it comes to maintenance, all of the major components can be reached for servicing without having to use a ladder and platform. Thanks to the safety concept, passengers can also be transported during maintenance work. Plus, each lifting carriage of our vertical conveyor comes equipped with a progressive safety gear device and overload measuring device.

## LTW CONVEYOR SYSTEMS TRANSFER CAR

### The connecting element

Our transfer car is as versatile and flexible as our customers' requirements. An overall length of up to 100 meters can be individually selected, making it the ideal element for connecting buildings. We also offer flexibility in the choice of load handling device and drive. The transfer car can be equipped with a friction-driven or belt-driven drive, and used in deep-freeze warehouses.

The side panels – also available in a sliding version – provide a dynamic means of keeping goods in place, so size also isn't an issue. And if performance is the priority, we also offer our transfer car in a high-speed version. It goes without saying that all the devices have modern operating and diagnostic options, as well as the highest safety standards.





# LTW CONVEYOR SYSTEMS UNLIMITED POSSIBILITIES

## From lightweight to heavy, and from compact to bulky

From cases and pallets through to containers – the versatility of our solutions doesn't end with our conveyor technology. Whether you're looking to transport small parts in cases or giant containers, we offer you a conveyor technology system tailored to your needs.

Our **container conveyor system** is especially suitable for products weighing up to 50 kg. Small parts often take up crucial storage space in your high-bay warehouse. So it makes sense to opt for an automated small parts warehouse in this case. It runs especially efficiently thanks to our container conveyor system, which is fast and reliable. Products with a high throughput in particular can be stored and retrieved without any issues.



« **A linked up conveyor system is essential when you have a warehouse complex with two separate high-bay warehouses. In our case, the extensive conveyor system with 18 goods-in stations, 16 picking stations, 20 packing stations, and 9 vertical conveyors more than meets our requirements.**

Bernd Neßler, Head of Logistics, Haberkorn

Many companies also use our **pallet conveyor system**. Pallets typically come into play in standard high-bay warehouses in particular. Whether Euro, industrial, or custom pallets – we can do it all, up to weights of 1,500 kg. Pallet conveyor systems provide an outstanding basis on which to work, especially with recurring processes and consistent routes.

And if your goods far exceed the usual standards and are larger, heavier, as well as bulkier, we also have the right solution for you: our **heavy-duty conveyor systems**. Whether it's 31 meter long material mats or containers weighing 18 tons – custom production for individual requirements is a strength of ours.



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