

Material flow guide.

Your path to Industry 4.0.



 **JUNGHEINRICH**



Make your processes more fail-safe!

You are excellently positioned and have already firmly integrated tow trains into your processes. We would now like to introduce you to the advantages of our electric tow tractors and highlight potential alternatives.

This guide provides you with useful information to make your material handling more fail-safe and efficient. Important: The material flow guide is no substitute for comprehensive advice, nor does Jungheinrich claim to describe your specific situation. The capacities and layout of your storage areas and other stations, the travel routes of industrial trucks and the size of your company play just as much a role in planning as a multitude of other factors.

This guide contains suggestions for improvements as well as ideas for making various processes more cost-effective, faster and safer in the future. We would be happy to assist you personally if you have any questions. Just contact us by phone or email.

Why choose electric tow tractors from Jungheinrich?

Our trucks are highly energy-efficient and the perfect solution to speed up material flows in the warehouse. If necessary, they can also be automated. Jungheinrich tow trains can reduce traffic in the warehouse by simply combining individual trips that were previously necessary. Thanks to the directional stability (all trailers in the tow train follow precisely in the tracks of the electric tow tractor), narrower routes than those required by other industrial trucks are often sufficient. This feature is also important in terms of safety. The high level of reliability ensures that ongoing operations are not interrupted by costly breakdowns. On the following pages, we have compared your potential for improvement based on your selection in the material flow optimiser.

The goals:

- Reduction of emissions.
- Lower maintenance costs.
- Improved safety.
- Smoother processes.



This is important!

Product supply.

Which industrial trucks can you use to optimise your material handling, counteract the lack of space and take the burden off your staff?

Willingness to optimise.

Through a detailed analysis of the flow of goods, you gain valuable insights that you can use to improve material flow in the warehouse.

Loading devices and quantities.

The size and weight of your goods as well as the loading devices used, e.g. Euro pallets, pallet cages or storage boxes, have a major bearing on how effectively individual stations work together. Tow trains make it possible to bundle and transport goods even faster.

Loading and unloading processes.

Smoothly functioning processes during loading and unloading at the respective stations (origin/destination) are an important building block for increasing productivity.

Overview.

With a detailed overview of material flow as well as the corresponding route layout, you save time and utilise existing resources. Tow trains literally open up new ways of planning and provide greater flexibility.

Electric tow tractors from Jungheinrich.

Increasing economic efficiency.

Take the pressure off your team.

Move more material with fewer trips and make better use of your staff. Physical work is also reduced.

Flexible.

No matter how big and heavy your loads are: We find the right trailers so that you can bundle goods perfectly and transport quickly.

Improved performance.

We offer high drawbar pull with zero emissions for every challenge.

Highly reliable.

Electric tow tractors from Jungheinrich are manufactured according to the highest quality standards. This means fewer breakdowns and smoother processes.

Our fleet.

Fewer emissions. Improved performance!

With our electric tow tractors, you will be well equipped to tackle any logistical challenge. Loads weighing up to 28 tons are transported from goods receipt to distribution and production with the utmost efficiency and flexibility. Unlike vehicles with combustion engines, electric tow tractors are suitable for both indoor and outdoor use*. The robust construction, spring-loaded wheels and super-elastic drive wheel ensure optimum drive both on smooth industrial floors and in outside areas. These features make our electric tow trucks ideal for material handling applications in warehouses and production facilities.

* Only applicable to selected series and models.

EZS 130:

For work in narrow areas under cramped conditions.



3.000 kg.

- Customisable tow tractor for SLC tow trains.
- Very narrow design with 600 mm width.
- Reduced energy consumption and greater efficiency.
- Improved space and optimised ergonomics.
- Extensive range of accessories for a whole host of applications.

EZS 350:

Suitable for every application of the tow train with towing loads up to 5 tons.



5.000 kg.

- Powerful, maintenance-free 3-phase AC drive motor.
- Intuitive operation with jetPILOT multifunctional steering wheel.
- Safe cornering with the curveCONTROL steering angle system.
- Individual options for an optimum workplace.
- Trailer coupling easily accessible from the driver's position.

EZS MB230:

Energy efficient, with rugged construction for the toughest applications.



3.000 kg

- Up to 100 mm ground clearance for uneven floors and ramps.
- Compact footprint suitable for a wide range of applications.
- Coupling easily accessible from the driver's position.
- A dampened drive unit and cushioned floor mat as standard, ensuring an effortless and comfortable drive regardless of floor conditions.

EZS 570/580/590/5100:

Strong and powerful over medium travel distances – indoor and outdoor.



7.000 – 10.000 kg

- Robust design also for outdoor use.
- Fully sprung chassis for comfortable operation.
- Automatic parking brake with roll-back protection.
- Impulse control.
- Powerful, maintenance-free 3-phase AC drive motor.



Our forward-looking energy concept with powerful electric motors based on lithium-ion batteries makes a valuable contribution to environmental protection. Electric motors are low-maintenance and low-consumption.

If you have any questions and would like individual advice, we will be happy to help you.

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