

Material flow guide.

Your path to Intralogistics 4.0.



 **JUNGHEINRICH**



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 intralogistics 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

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.

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 intralogistics, 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 personnel.

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.

Highly reliable.

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

Improved performance.

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

Our fleet.

Fewer emissions. Improved performance!

Intelligent automation components transform our electric tow tractors into Automated Guided Vehicle Systems (AGVS). In conjunction with intelligent software, they make the entire warehousing process more efficient and cost-effective. As a competent automation partner, we plan and implement an Automated Guided Vehicle System (AGV) that is tailored to your needs, enabling you to increase the efficiency of your warehouse automatically.

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 t.



5.000 kg.

- Powerful, maintenance-free 3-phase AC drive motor.
- Intuitive operation with jetPILOT multi-functional 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 C40:

For combined indoor and outdoor use on different surfaces.



4.000 kg

- Super-elastic drive wheel (SE) and increased ground clearance.
- Powerful, maintenance-free 3-phase AC drive motor.
- Safe cornering with curveCONTROL.
- Impulse control.
- Semi-automatic remote coupling release (optional).

EZS 570/580/590/5100:

Strong and powerful over medium travel distances – inside and outside.



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 and solar panels makes a valuable contribution to environmental protection. And 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.

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

 Jungheinrich trucks
conform to the European
Safety Requirements.

Jungheinrich Danmark A/S

Park Allé 350c, 1. sal
DK-2605 Brøndby
Danmark

Telephone +45 8987 4800

info@jungheinrich.dk
www.jungheinrich.dk

 **JUNGHEINRICH**