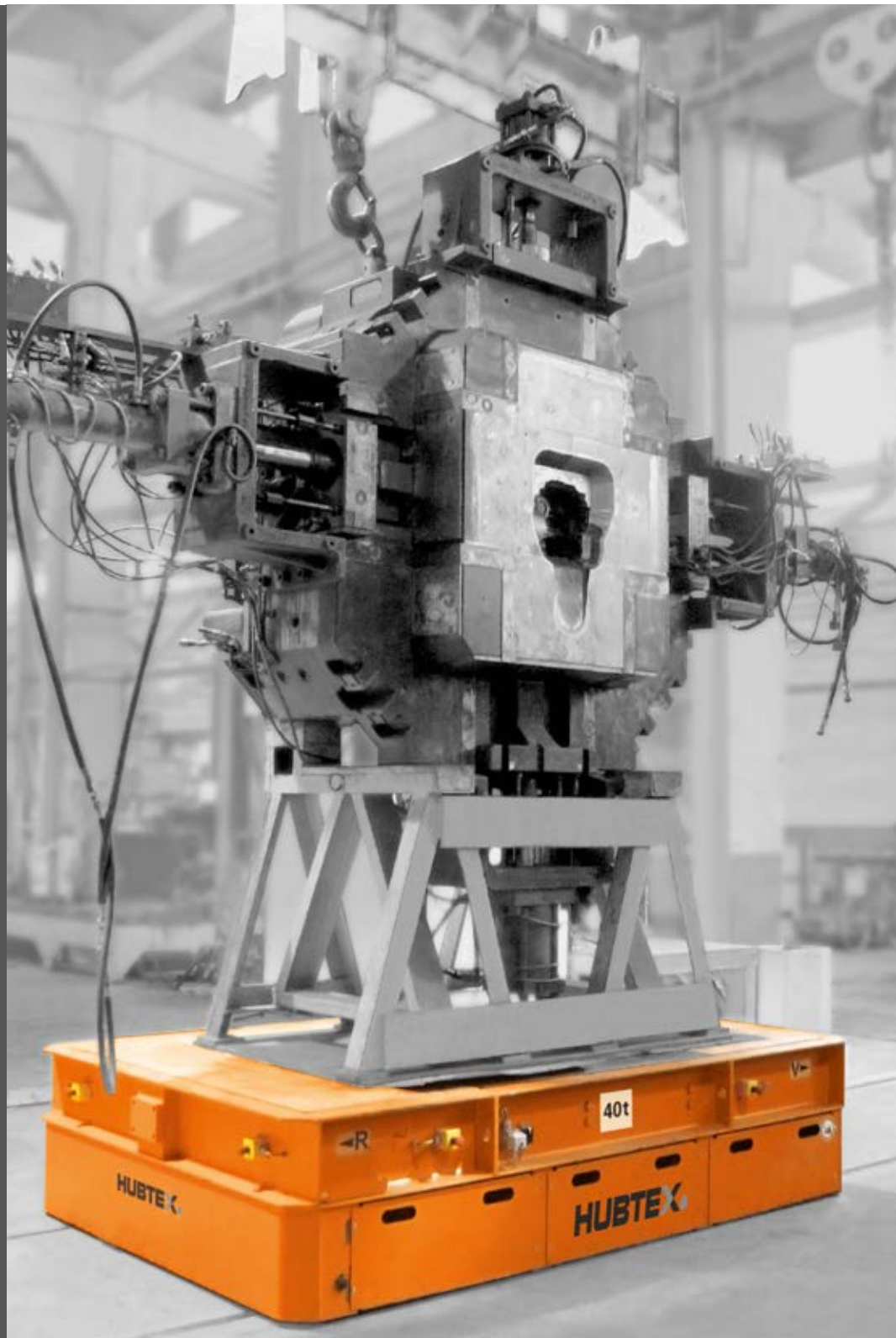


The heavy...

HUBTEX.

- Load capacities up to 350 t
- Platform trucks
- Rail-mounted trucks
- Electric tractor heads
- Heavy-duty multi-directional sideloaders
- Tool changers
- Heavy-duty compact frontlifts
- Heavy-duty compact frontlifts, foundry model
- Glass transporters
- Drum transporters
- Skip and container transporters
- Automatic guided vehicles



Heavy-duty
transport vehicles

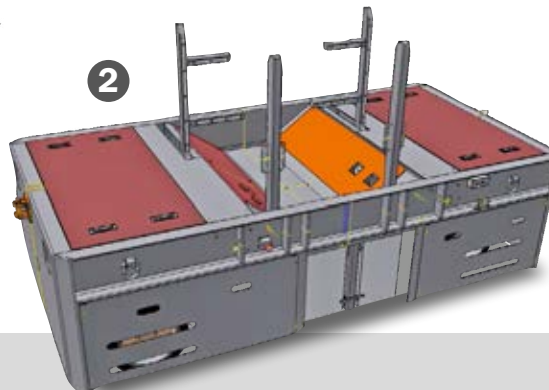
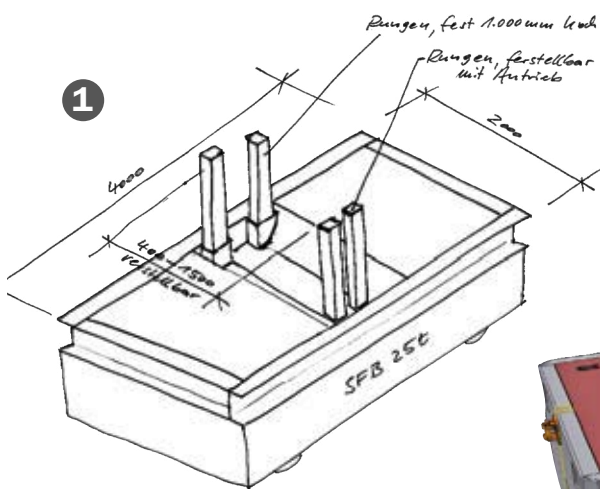
Customized solutions based on experience

As a specialist provider of customised handling solutions, HUBTEX has wide-ranging experience in diverse market sectors. Challenges associated with the transport of heavy loads provide us with the opportunity to showcase our innovative products and solutions. Due to increasingly heavier loads and increasing automation, development is in a continuous flux, and people do well to always keep up to date.

As the demand for heavier, larger and less manageable loads increases, HUBTEX employ highly skilled engineers and cutting edge technology to ensure our products provide solutions that are innovative, highly reliable and above all cost-effective.

Putting ideas into action

As soon as a potential idea has been decided, HUBTEX develops a concept for you which is coordinated and honed in several steps. Throughout this process, you benefit from our experience based on 30 years of manufacturing special vehicles.





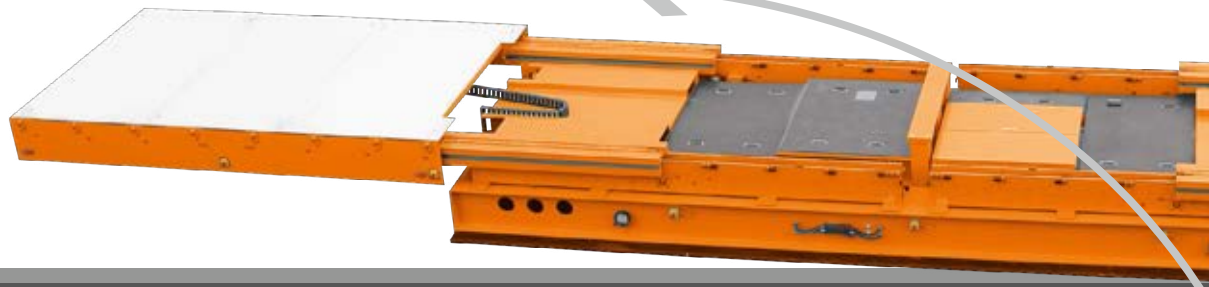
- » Operated via cab, driver cab, remote control or automation
- » Single-axle, all-wheel and multi-directional steering for ideal manoeuvrability
- » Universal use
- » Solid rubber, pneumatic or vulkollan tyres for driving over asphalt, paving stones or industrial floors

- » Indoor and outdoor application combined or exclusively for outdoor application
- » Battery-powered, maintenance-free AC drive technology
- » Load capacities up to 100 t
- » Robust Design

Platform trucks

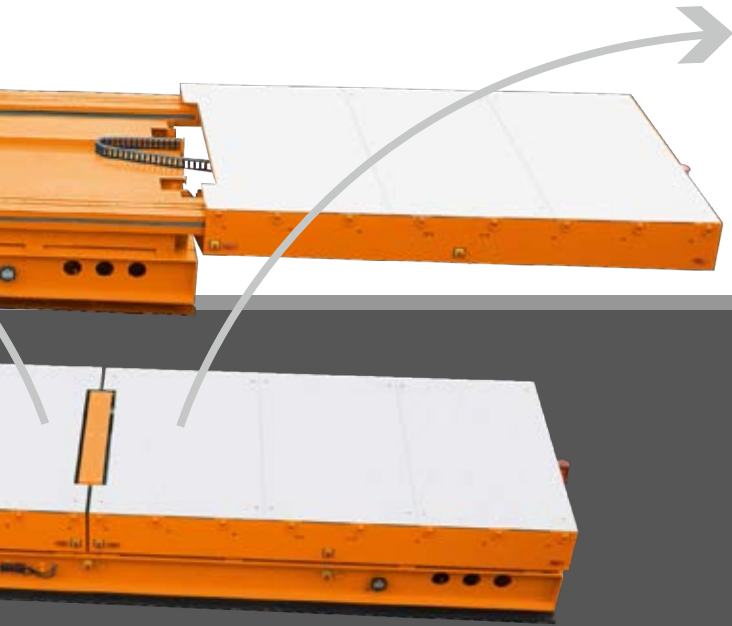
The Platform Truck (Series SFB) is a self-propelled vehicle with a large loading area. They are used for the internal transport of heavy loads of all kinds. These are, for example, sheets, steel girders, coils, machine parts, castings and tools.

Movable platform for transporting load racks and form side parts for car bodies



» Coupling operation

Where there are particularly long loads, there is the option of connecting two individual platforms together via Bluetooth. These are operated centrally via remote control.



Platform trailer for transporting 65.0 tonnes of heavy tools even on asphalt.



Type	SFB
Maximum load (t)	up to 100.0
Height (mm)	from 457
Drive (V)	24 / 80 / 230 / 400 (electric AC)
Tyres	EL / PU / air / track wheel
Operation	cab / remote control / driver cab



Rail-mounted trucks

The rail-mounted trucks (GW) made by HUBTEX are tailor-made to suit individual customer wishes and requirements. Well-proven standard components are used in the driving mechanisms and the control systems. The rail-mounted truck is exclusively designed for in-plant transport.

Type	GW
Maximum load (t)	up to 350,0
Drive (V)	24 / 80 / 230 / 400 (electric AC)
Tyres	EL / PU / air / track wheel
Operation	cab / remote control / driver cab



» Individual frame design depending on the transport task

- » Durable crane running wheels
- » Cable or radio remote control
- » Robust design
- » Load-specific load bearing
- » Battery or mains operation
- » Maintenance-free AC drive technology



»» Operation variants

» Radio and cable remote control

The radio remote control is equipped with joysticks for precise control, emergency-stop, horn buttons and other options. Alternatively, a cable remote control is also available. This can be connected to the vehicle using several sockets.



Optional radio or cable remote control



Design example

» Cab/driver cab

This vehicle can be controlled via a seat or cab and a wired or wireless remote control.

With the large number of modules this vehicle may be geared to a host of specific requirements.

»» Height-adjustable steering wheel

»» 10"-LCD display in the cab for reverse camera

»» Air-suspended driver seat

»» Ergonomic entry to the cab



Design example

»» Safety

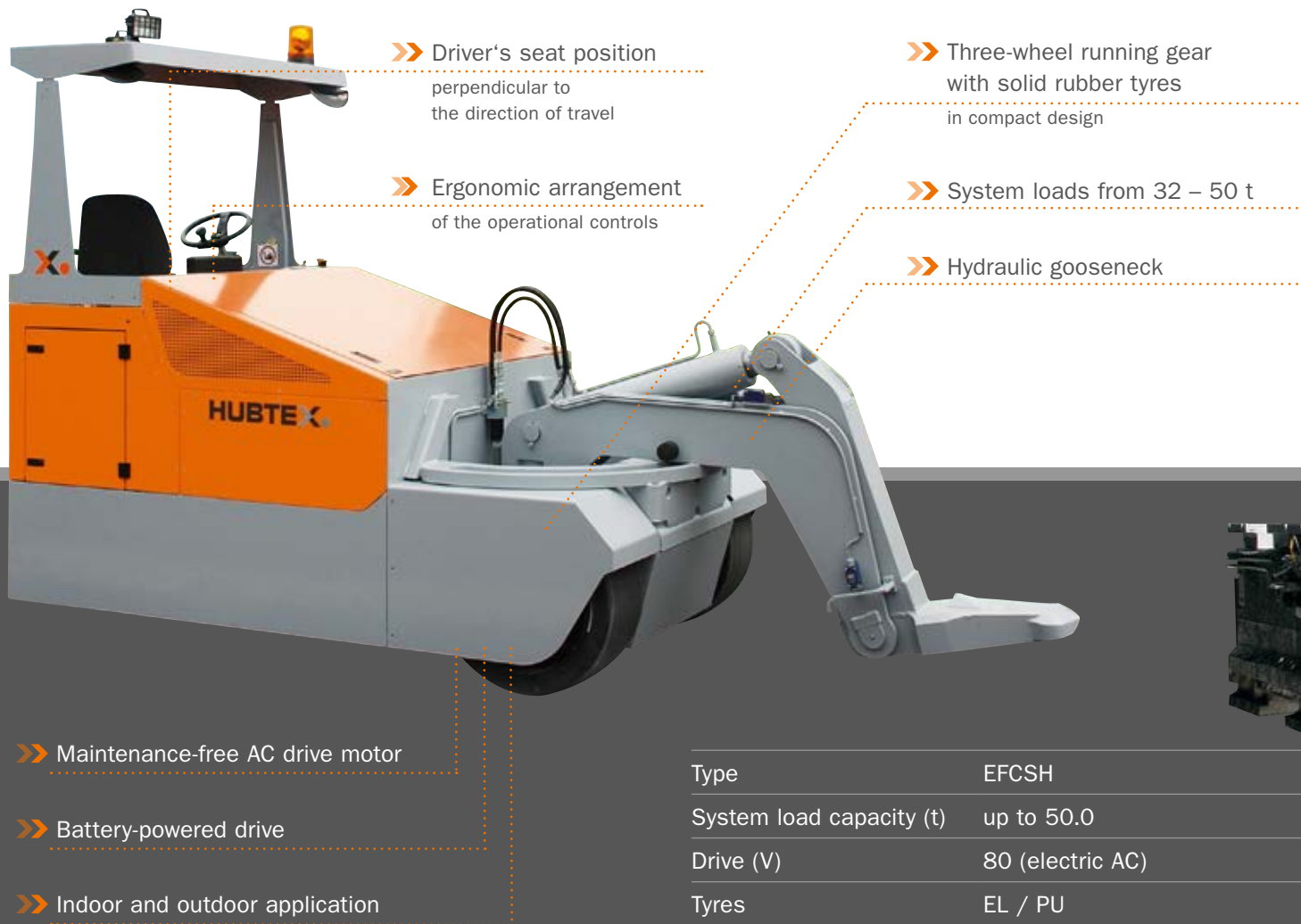
- » Emergency-stop buttons on all sides
- » Protection bars on the front sides
- » Distance sensors and assistance systems
- » Optional personal protection system using laser scanners

»» Two electrically adjustable outside mirrors

»» Four-sided glazing (laminated glass)

»» Wiper- and windscreen wiping system

Electric towing tractor with gooseneck



» Driver's seat position perpendicular to the direction of travel

» Ergonomic arrangement of the operational controls

» Three-wheel running gear with solid rubber tyres in compact design

» System loads from 32 – 50 t

» Hydraulic gooseneck

» Maintenance-free AC drive motor

» Battery-powered drive

» Indoor and outdoor application

Type	EFCSH
System load capacity (t)	up to 50.0
Drive (V)	80 (electric AC)
Tyres	EL / PU

Main field of application for the electric-tractor-head with gooseneck are:

- » material loading in the production areas
- » transport of very heavy machine parts
- » for fast and safe handling of "cargo trailer systems" for i.e. the transport of coils



Heavy-duty electric multidirectional sideloaders

Heavy-duty multidirectional sideloaders with an electric drive can be used for the universal handling of tools, cable drums, rollers, coils, oversized pallets and round bars, either in narrow aisle rack systems or free range within indoor and outdoor areas. The extensive HUBTEX model range, can be customised to meet individual application requirements of customers.

» Load capacities from 6.0 – 25.0 t



Type	MQ
Maximum load (t)	6.0 to 25.0
Effective width (mm)	800 to 2500
Height of stroke (mm)	up to 10,000
Tyres	PU / EL
Battery	80 V
Cab	Q / QXL

» Fork carriage tilt for high retention of load capacity and safer handling at high lift heights

» Articulated frame to provide mechanical level compensation

» Multidirectional steering for optimal manoeuvrability

» Indoor and outdoor application

» Reduced power and maintenance costs through modern AC technology and the omission of carbon motor brushes

» Electric drive is quiet and environmentally friendly



Die handler

Safe and as fast as possible – those are the crucial prerequisites that modern tool changers need to satisfy.

HUBTEX tool changers with load capacities of up to 65 tonnes help to reduce the changing times for pressing and stamping tools and so improve production efficiency. The compact running gear also allows for extremely low entrance heights underneath machinery.

» Load capacities up to 65 t

» Tool platform with lift heights up to 3000 mm

» Extremely low platform heights combined with high load capacities

» Tool changes are carried out using a chain system driven by thrust rods so that tools can be changed quickly





- » Positive locking plate on tool individually adaptable
- » Multidirectional steering
- » Maximum load up to 50.0 t

- » Transport of injection moulding tools
- » Operated by an attending person using remote control
- » Hydraulic tensioning device to secure the tools during transport



Design example

Heavy-duty compact frontlifts



» Diesel/LPG drive with state-of-the-art engine technology

» Reduced operation and maintenance costs thanks to hydrostatic drive unit and integrated brake system

» Durable and robust lifting masts with large residual load-capacity from our internal production

» Load capacities from 12.0 – 25.0 t

» Vibration-damped and sound-insulated cabin

» Excellent all-round visibility thanks to rotatable seat and increased elbow room

» Indoor and outdoor application

» Small turning circle for optimal manoeuvrability and enormous space savings

» Fully hydraulic steering system for effortless operation and driver comfort

» Features

Whenever you need to move heavy loads in a very confined space, the HUBTEX compact frontlift has no rival. Its very compact external dimensions mean that more storage racks can be used. In short: the HUBTEX compact frontlift is used in all places where conventional frontloaders cannot be operated due to their considerably larger dimensions.



» Lifting mast

Particular expertise is needed for the construction of a compact frontlift with regard to the lifting mast. As a rule, the lifting mast is subjected to considerable loads, which is significant for safety reasons. HUBTEX therefore takes responsibility for producing the lifting mast itself. A forklift is only as strong as its weakest component, so HUBTEX compact frontlifts exceed quality standards in all areas.



Series	4150	4170
Load capacity (t)	12.0 to 25.0	12.0 to 25.0
Lift height (mm)	up to 7500	up to 7500
Tyres	Solid rubber	Solid rubber
Drive	Diesel	Gas (LPG)

» Cabin

The driver's workplace with its modern and ergonomic design is characterised above all by its vibration-damped and sound-insulated cabin with a rotatable comfort seat. All of the hydraulic functions are controlled by joysticks.



» Comparison to other forklifts

The added value of a compact frontlift can be seen in a direct comparison with a standard heavy-duty forklift, which leads to a quick return on investment. A comparison of sizes also speaks clearly in favour of the compact frontlift.



Heavy-duty compact frontlifts, foundry model

➤ Advantages compared to a standard version:

- Protection of temperature-sensitive parts, such as hydraulic lines,
- Installation of the entire drive and steering technology in the vehicle interior,
- No unprotected hydraulic lines in the mast,

Heavy-duty forklifts in a standard design incur comparatively high maintenance and repair costs when used in a foundry. During special use in foundries, for example when handling converters, flying sparks and spray from liquid iron can clog and damage components, which are difficult to protect.

HUBTEX has developed a completely innovative heavy-duty forklift, where the design principle was specifically drawn up to reflect the characteristics of production use in a foundry.



- Greatly improved visibility thanks to the use of a telescopic arm,
- Windows with quick-action replacement system in the cabin,
- Wheel housings protect the braces against damage,
- Lower axle loads to reduce point loadings on building decks.

Thanks to the use of HUBTEX compact frontlifts in a foundry version, the ongoing service costs are reduced considerably, performance is improved and the total cost of ownership is cut dramatically.



Glass transporter

In the flat-glass industry, we can offer you a comprehensive range. Beginning with our electric multidirectional sideloaders, glass packs weighing up to 20 tonnes can be transported safely and stored reliably with just one driver. Our glass frame transporters are used in the flat-glass industry for the transport of A and L stillages of up to 33 tonnes.



- » Load lift
by synchronous raising
of the chassis
- » Glass fuses with
ultra-sound sensors
for pressure reduction
- » Electric, diesel
or LPG drive
- » Indoor and outdoor application



- » Outsized load and drive wheels
optionally in solid rubber or vulkollan
- » Safe ascent
and descent



These transporters are available with electric, diesel and LPG drives and can be used both for indoor use and for combined indoor and outdoor application. Customised special vehicles, e.g. for fitting marine containers with glass complete our portfolio.

Drum transporter

HUBTEX offers a wide range of solutions for handling heavy drums. In addition to transporting conventional cable drums, lifting of drums for various pipe systems is also possible.

- » Swivel-mounted pick-up traverse
further pick-up solutions also possible
- » Electric drive
quiet, low-maintenance and environmentally friendly
- » Indoor and outdoor use
thanks to solid rubber tyres
- » Hydraulically steered drive wheels
steered electronically
- » Articulated running gear
to compensate for uneven ground
(fitted on a pivot in the base frame)
- » Laterally adjustable load ramp
for cable drums of various sizes
- » Proportional valve technology
for infinitely variable, controllable and safe load handling



» Various lifting options:



- » The robust swivel-mounted pick-up traverse pulls the cable drum across two cables and bolts onto the pick-up ramps of the vehicle.
- » The drum is picked up using a pick-up prism, the device drives round the centre of the drum, so that the wheel arms are under the drum. The load is then lifted synchronously.
- » The wheel arms are hydraulically adapted to the drum width and the sleeves extended to the hub bores of the drum. Subsequently, the drum is lifted by hoist.

It is important to guarantee with the vehicles safe and fast transport. The requirements in this case are in the limited contact area of the heavy drums, which means they have a high point load. Loads of 10 to 60 tonnes can be transported with the models designed to date.



Skip and container transporter

HUBTEX develops and produces individual transport vehicles for the in-house handling of skips and containers. These are available in the maximum load classes up to 25.0 tonnes.

Depending on requirements, they come with either an electric drive or a diesel and gas drive.

- » Electric drive
- » Maximum load up to 14.0 t
- » 3-wheel chassis
- » Ergonomic cab
- » Large-dimensioned battery
- » Load bearing on lifting cables, forks or swing arms

» Various lifting options:



- » In the HUBTEX skip transporter with swivel arms, the skip is driven round and raised. The driver must not leave the vehicle during this process.



- » The equipment drives right around the skip, the lifting sling is hooked in on both sides manually and the load is lifted.



- » The container is lifted with an open beam with driving round and raising.

Automatic guided vehicle (AGV)

HUBTEX heavy-duty transport vehicles are ideally suited to automation. The use of a AGV-systems reduces throughput times, saves costs and increases safety.

The following guidance systems are available:

- › Rail guidance
- › Inductive guidance
- › Optical guidance
- › Free magnetic navigation with transponders
- › Laser navigation
- › Indoor GPS navigation



- › Increase in efficiency
- › Optimisation of warehouse logistics
- › Automatic load transfer
- › Circuits with stop stations
- › Use in hazardous areas



Your HUBTEX moves on and on

Who should understand your HUBTEX better than we do? Apart from excellent service, HUBTEX offers you long-term investment security which is indeed “the manufacturer’s know-how”.



➤ More HUBTEX

Expertly trained technicians whose knowledge and know-how always reflects the latest cutting edge technology.

➤ More service

- Accurate maintenance costs due to factory guidelines with regard to service times.
- No unnecessary time required for fault finding due to latest diagnostic tools.

- Highest quality due to the exclusive use of original spare parts.
- Fastest possible resolution of problems by comprehensive factory support.
- Technicians are fully qualified to perform a variety of tasks allowing them to perform safety-relevant procedures on their own.

➤ More value

- Due to the exclusive use of original spare parts, your truck remains an original HUBTEX.
- Our service experts offer you maximum transparency regarding the development of your maintenance costs.
- Customized maintenance programmes provide you with a clearly calculable cost structure.
- On request, we analyze your present maintenance costs and show you where potential for savings exists.

➤ More safety

You can be sure that all safety-related equipment on your truck is checked by competent, specialised technicians to the latest guidelines at least once per year.

HUBTEX is at your disposal in more than 60 countries all over the world.



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**A quick look at other
HUBTEX products:**

- Electric Multidirectional Sideloader
- Diesel-/Gas Fourway Sideloader
- Picking systems
- Glass Transport Systems
- Reach Trucks
- Special vehicles
- Second Hand and Rental Equipment