

TRANSFER CAR

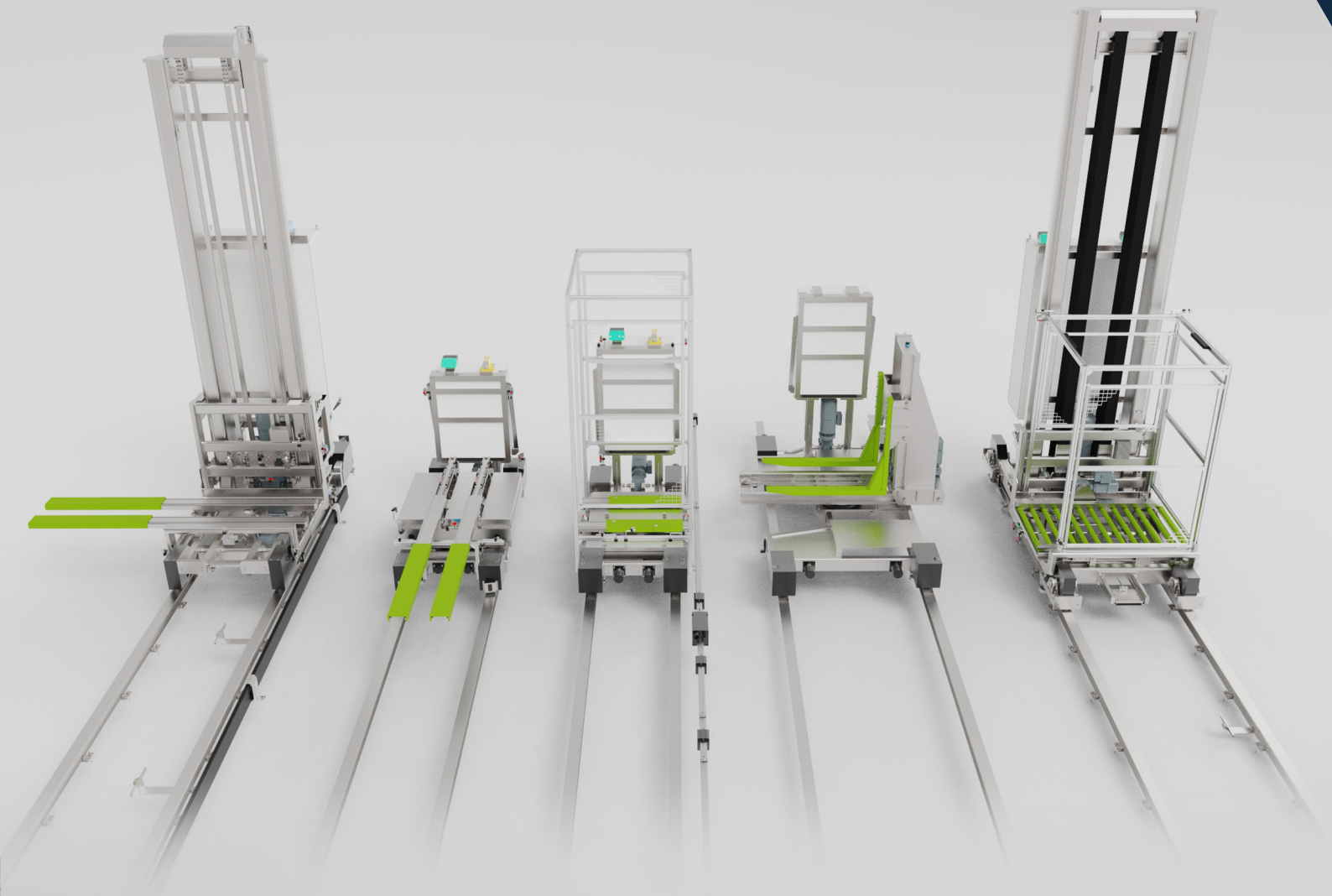


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TRANSFER CAR WITH LIFT MAST



The transfer cars with lift mast are especially suitable for storage and retrieval on different levels. Due to the different design options, almost any load can be transported.

TECHNICAL SPECIFICATIONS (EXAMPLE):

Lifting height:	2,290 mm
Load weight max.:	2,000 kg
Driving speed:	90 m/min
Lifting speed:	0.5 m/s
Lowest discharge level:	600 mm



DIMENSIONS (EXAMPLE)

↕	Length	3,965 mm
↔	Width	1,904 mm
↑	Height	3,338 mm
⚖	Self weight	3,600 kg

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TRANSFER CAR WITH ECCENTRIC LIFTING DEVICE



The transfer cars with eccentric lifting device are especially suitable for storage and retrieval at a fixed height. Due to the different design options, almost any load can be transported and with the help of the load handling device – discharged in 3 directions.

TECHNICAL SPECIFICATIONS (EXAMPLE)

Lifting height:	95 mm
Load weight max.:	1,500 kg
Driving speed:	60 m/min
Lifting speed:	0.5 m/s
Lowest discharge level:	900 mm


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The image shows a detailed view of the transfer car. It is a grey metal unit with a large rectangular lifting platform. The platform is currently in a raised position, tilted upwards. The car is mounted on a set of parallel grey tracks. Two long, green horizontal bars are attached to the front of the car, extending along the tracks. Various mechanical components, including rollers and guides, are visible on the underside of the platform and the car's frame.

DIMENSIONS (EXAMPLE)

↕	Length	2,756 mm
↔	Width	1,250 mm
↑	Height	992 mm
	Self weight	3,000 kg

SMALL TRANSFER CAR WITH ECCENTRIC LIFTING DEVICE



The mini transfer cars with eccentric lifting device are especially suitable for storage and retrieval in very limited space conditions at a fixed defined height. Due to the different design options, almost any load can be transported.

TECHNICAL SPECIFICATIONS (EXAMPLE)

Lifting height:	150 mm
Load weight max.:	500 kg
Driving speed:	160 m/min
Lifting speed:	0.5 m/s
Lowest discharge level:	500 mm

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DIMENSIONS (EXAMPLE)

↕	Length	850 mm
↔	Width	825 mm
↑	Height	520 mm
⚖	Self weight	550 kg

TRANSFER CAR FOR GROUND DEEP LOAD HANDLING



With the transfer car for ground deep load handling, pallets can be picked up and discharged directly on the floor. The maximum transfer height is limited to 1,500 mm.

TECHNICAL SPECIFICATIONS (EXAMPLE)

Lifting height:	700 mm
Load weight max.:	1,500 Kg
Driving speed:	120 m/min
Lifting speed:	0.2 m/s
Lowest pick-up level:	Ground level
Discharge levels conveyor system / rack:	min. 350 mm max. 1,500 mm
Turning diameter:	2,257 mm

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DIMENSIONS (EXAMPLE)

↕	Length	3,100 mm
↔	Width	2,200 mm
↑	Height	2,200 mm
KB	Self weight	2,100 kg

COSTUMER BENEFITS – SAFETY AT ALL LEVELS



AFB's transfer cars guarantee an optimal material flow in your storage system and are the perfect solution for individual transport routes – both on one and on several levels.

PRODUCT FEATURES

- Suitable for rack heights up to 7 m
- Floor-guided, no upper guide rails necessary
- Available in three different versions: two-wheel or all-wheel drive and as a hauled unit with external drive for particularly high dynamics
- High accelerations possible
- Available with or without eccentric lifting device, load handling device, tilting device, chain conveyor, clamping device, fixed or telescopic lifting mast
- Available with or without sensors, wiring, aisle equipment

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COSTUMER BENEFITS

- Low maintenance costs
- Individually customizable to the respective application
- Guaranteed availability of spare parts over the entire life cycle of the product
- Solid design ensures extreme availability
- Floor-guided, no force transmission into the rack

INDUSTRY APPLICATIONS

- Steel and aluminum production
- Automatic high bay storage systems
- Production automation
- Beverage industry
- and many more

For decades, AFB stands for the professional and efficient automation of a wide range of manufacturing processes.

Already in 2010 we were able to make automated workpiece handling possible, by using a transfer car with a special load handling device to integrate it firmly into the production line of our customer.

For this purpose we developed a tailor-made transfer car with lift mast, rotary unit and telescopic fork unit for the transport of machine pallets to load and unload workpieces automatically from several milling machines.

Due to specific requirements of the client a special solution had to be found. It should be ensured, that no impairments are caused to the transfer car despite its use in a machining production environment.

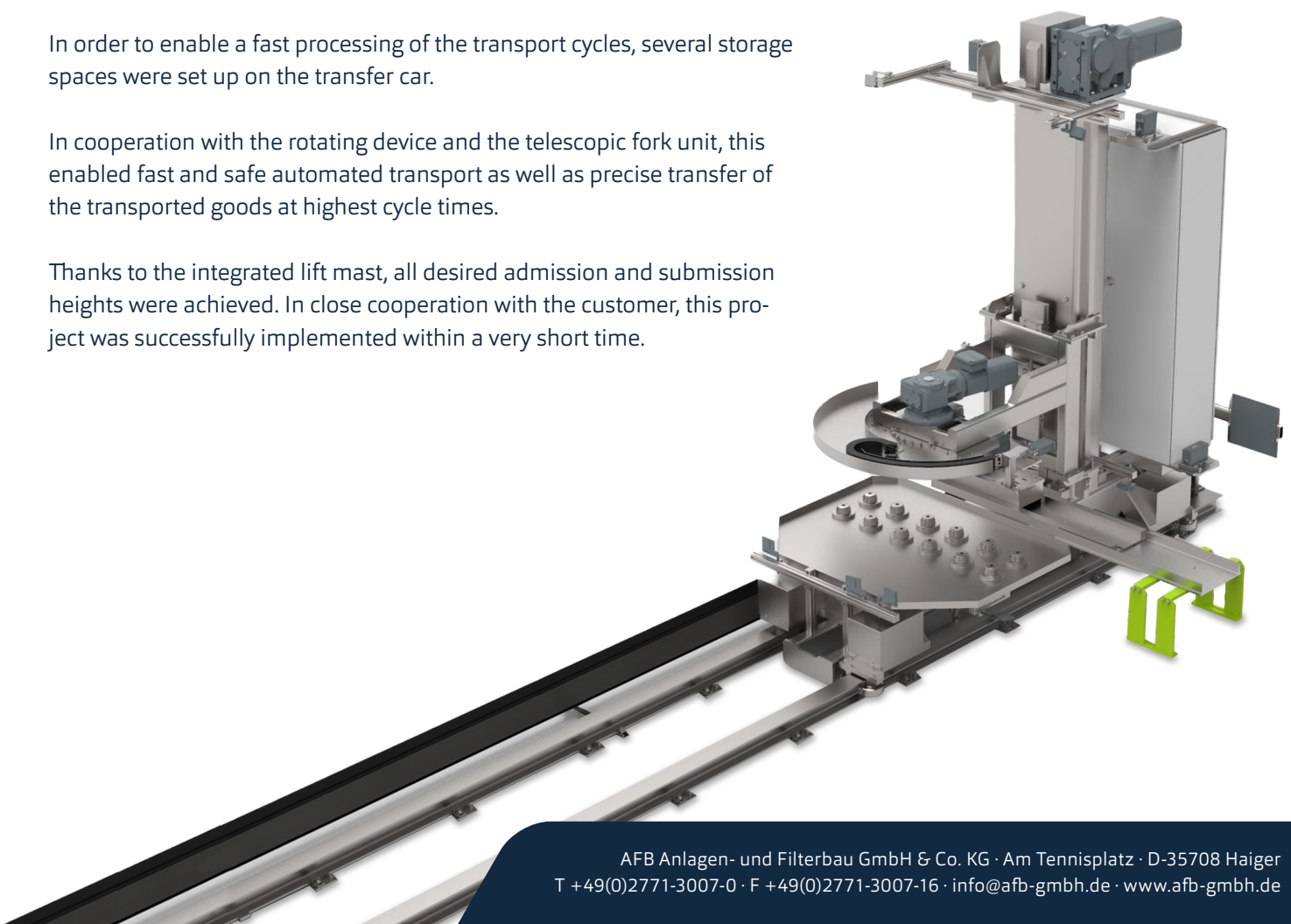
The main task of the transfer car is to transport and exchange machine pallets with fixed superstructures to defined parking spaces.

In order to enable a fast processing of the transport cycles, several storage spaces were set up on the transfer car.

In cooperation with the rotating device and the telescopic fork unit, this enabled fast and safe automated transport as well as precise transfer of the transported goods at highest cycle times.

Thanks to the integrated lift mast, all desired admission and submission heights were achieved. In close cooperation with the customer, this project was successfully implemented within a very short time.

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This document is only intended to clarify the differences between the transfer cars. Conveying heights and dimensions of the transfer cars can be adapted to individual dimensions after verification.

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