AFB
BEST OF LOAD HANDLING.

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BEST OF LOAD HANDLING.

www.afb-gmbh.de

INNOVATIVE SOLUTIONS

OUR EXPERTISE

- Technical consulting and project-specific engineering
- Customized new developments
- Seamless integration into automated systems

PRODUCT HIGHLIGHTS

- Modular standard programs for adjustable configurations
- Individual adaptation to application and load carriers
- High reliability and low maintenance costs



55+
YEARS OF EXPERIENCE

15.000+
CLIENT APPLICATIONS

24/7
SYSTEM AVAILABILITY IN CONTINUOUS OPERATION

CUSTOMIZED AND EFFICIENT

AFB develops and manufactures innovative solutions for automated material handling. The portfolio includes load handling devices, transfer cars, lifting and conveyor systems, and customized solutions for automated intralogistics and production systems.





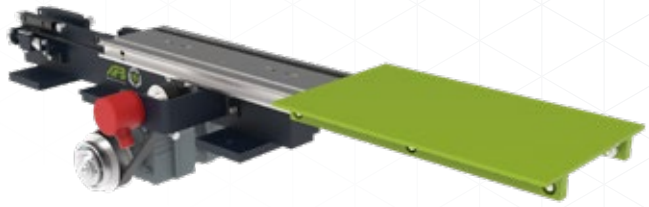


WHY AFB?

- Over 55 years of experience in intralogistics
- Development and production in Germany
- Designed for reliable 24/7 continuous operation

TELESCOPIC FORK UNITS

MINILOAD SINGLE AND MULTIPLE DEEP

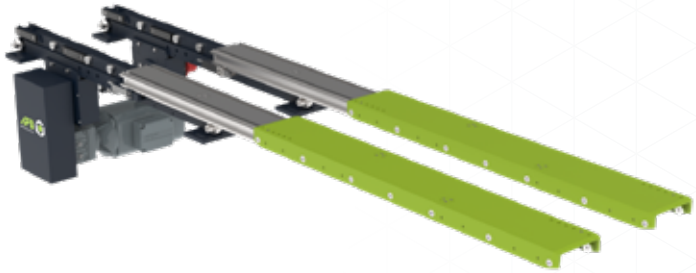


KEY FEATURES

- Up to 200 kg
- Light
- Precise

8-9

MEDILOAD SINGLE DEEP

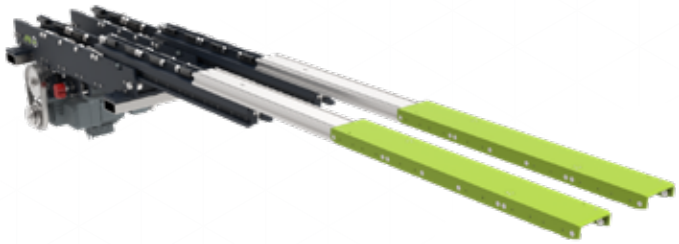


KEY FEATURES

- Up to 3.000 kg
- Flexibly adaptable
- Robust

10-11

MEDILOAD DOUBLE AND MULTIPLE DEEP

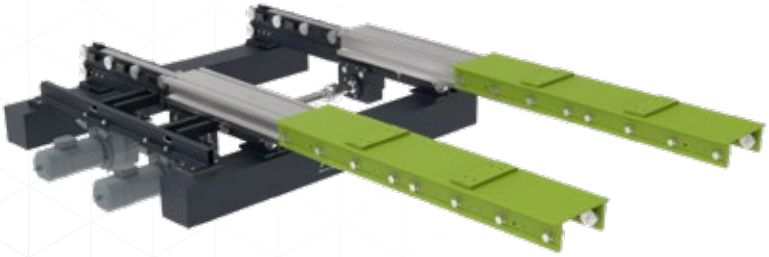


KEY FEATURES

- Up to 3.000 kg
- Flexibly adaptable
- Robust

12-13

MAXILOAD



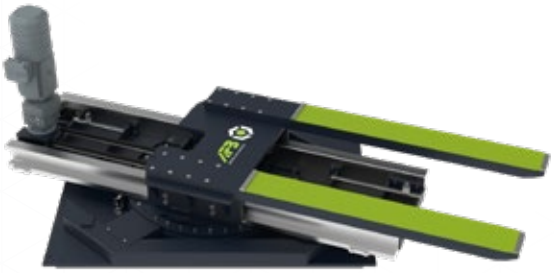
KEY FEATURES

- Up to 50 tons
- Robust
- Loading up to 400°C possible

14-15

ROTARY DEVICES

ROTARY PUSHING FORKS



KEY FEATURES

- Cross storage possible
- Handling of closed load carriers possible
- Loading up to 400°C possible

16-17

ROTARY TELESCOPIC FORKS



KEY FEATURES

- Handling of closed load carriers possible
- Double-deep storage possible
- Small turning diameter thanks to compact design

18-19

LIFTING SYSTEMS

VERTICAL CONVEYOR



KEY FEATURES

- High lifting heights
- Can be combined with all AFB products
- Low maintenance

20-21

ECCENTRIC LIFTING DEVICES



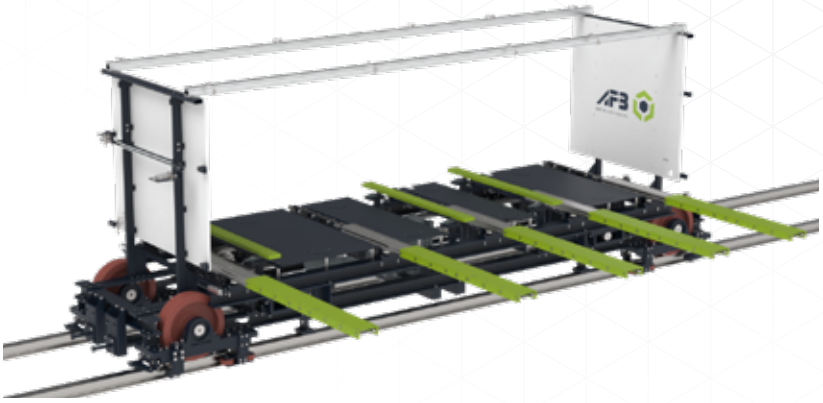
KEY FEATURES

- Compact design
- High load capacities
- Customized design

22-23

TRANSFER CARS

TRANSFER CARS WITH ECCENTRIC LIFTING DEVICE



KEY FEATURES

- Compact design
- Can be combined with all AFB products
- High loads

24-25

TRANSFER CARS WITH LIFT MAST SYSTEM



KEY FEATURES

- Double-deep storage possible
- Flexible use
- Delivery height up to 7.5 m

26-27

TRANSFER CARS WITH INTEGRATED CONVEYOR SYSTEMS



KEY FEATURES

- Low pick-up and delivery heights
- Flexible use
- High dynamics and precision

28-29

PUSH-PULL SYSTEMS

PUSH-PULL SYSTEM WITH A CIRCULATING CHAIN



KEY FEATURES

- Individually customizable
- Can be integrated into existing warehouses
- No need to lift the load

30-31

PUSH-PULL SYSTEMS WITH EXTENDABLE PRONGS



KEY FEATURES

- Can be integrated into existing warehouses
- Maximum flexibility for different load carriers
- No need to lift the load

32-33

Detailed product information on the following pages.

MINILOAD SINGLE AND MULTIPLE DEEP

The MINILOAD telescopic fork is the compact solution for single and multi-deep storage and retrieval of small load carriers in automated warehouse and production systems. Designed for high dynamics and precise positioning, the system integrates seamlessly into modern material flows.



INSTALLED ON

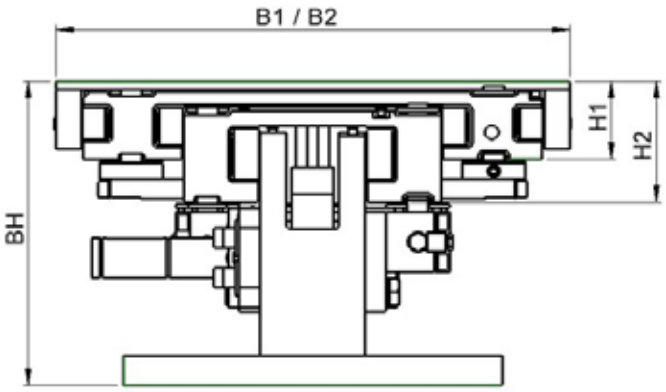
- Stacker cranes
- Shuttle systems
- Transfer cars & AGVs
- Stationary loading units

TECHNICAL SPECIFICATIONS

	R32ST-180-N	D3-R60-244-ST
H1 - Height of extending profile	32 mm	39 mm
H2 - Height of extending profile	-	60.5 mm
B1 - Width of extending profiles	180 mm	244 mm
B2 - Width of extending profiles	-	244 mm
BH - Total height (without motor)	122 mm	151.5 mm
UT - Fork length	600 mm up to 1800 mm	600 mm up to 1800 mm
HUB - Stroke	> Fork length	>2x Fork length
Load weight	200 kg	100 kg
Speed	max. 3 m/s	max. 3 m/s
Acceleration	max. 5 m/s²	max. 5 m/s²
Attachments	Belt conveyor, sensor frame	Belt conveyor, sensor frame

KEY FEATURES

- Compact lightweight design for flexible system integration
- High speed and acceleration for short cycle times
- Precise positioning accuracy for maximum process reliability
- Durable construction for high system availability
- Maintenance-friendly design to reduce downtime
- Low operating costs due to robust construction



FIND OUT MORE

Individually adaptable to customer requirements and load carriers.

MEDILOAD SINGLE DEEP

The MEDILOAD telescopic fork (single deep) is a high-performance solution for single-deep storage and retrieval of various load carriers in high-bay warehouses. It combines modular design with high process stability in continuous 24/7 operation.



INSTALLED ON

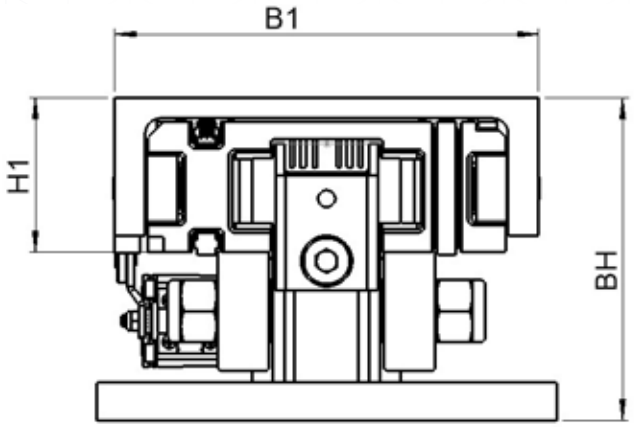
- Stacker cranes
- Shuttle systems
- Transfer cars & AGVs
- Stationary loading units

TECHNICAL SPECIFICATIONS

	F-60-166-HK-S	F-65-174-HK-S
H1 - Height of extending profile	60 mm	65.5 mm
B1 - Width of extending profiles	166 mm	174 mm
BH - Total height (without motor)	126.5 mm	128.5 mm
UT - Fork length	1200 mm up to 1300 mm	1200 mm up to 1300 mm
OT - Top fork length	1200 mm up to 1300 mm	1200 mm up to 1300 mm
HUB - Stroke	1200 mm up to 1550 mm	1200 mm up to 1550 mm
Load weight	1000 kg	1500 kg
Speed	max. 3 m/s	max. 3 m/s
Acceleration	max. 5 m/s²	max. 5 m/s²

KEY FEATURES

- Modular, compact design for easy integration
- High operational reliability in a wide range of environmental conditions
- Long service life for maximum availability
- Individually adaptable to different load carriers
- Robust design for continuous industrial operation
- Maintenance-friendly construction to reduce downtime



FIND OUT MORE

Flexible system adaptation according to specific customer requirements.

MEDILOAD DOUBLE AND MULTIPLE DEEP

The MEDILOAD double and multi-deep telescopic fork enables efficient multi-deep storage and retrieval of pallets, coils or special load carriers. The system is highly configurable and optimized for demanding applications.



INSTALLED ON

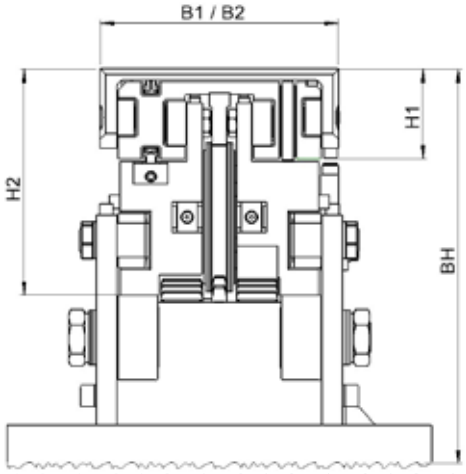
- Stacker cranes
- Shuttle systems
- Transfer cars & AGVs
- Stationary loading units

TECHNICAL SPECIFICATIONS

	D3/2-65-174-ZK
H1 - Height of extending profile - single deep	65.5 mm
B1 - Width of extending profiles - single deep	174 mm
H2 - Height of extending profile - double deep	165 mm
B2 - Width of extending profiles - double deep	174 mm
BH - Total height (without motor)	280 mm
UT - Fork length	1250 mm up to 1450 mm
OT - Top fork length	1250 mm
HUB - Stroke single deep	1325 mm up to 1500 mm
HUB - Stroke double deep	2625 mm up to 2950 mm
Load weight	1000 kg up to 1200 kg

KEY FEATURES

- Flexible system configuration for a wide range of applications
- Compact, modular design
- Long service life even under intensive use
- Adaptable to individual load carrier geometries
- Robust construction for 24/7 continuous operation
- Low maintenance and operating costs

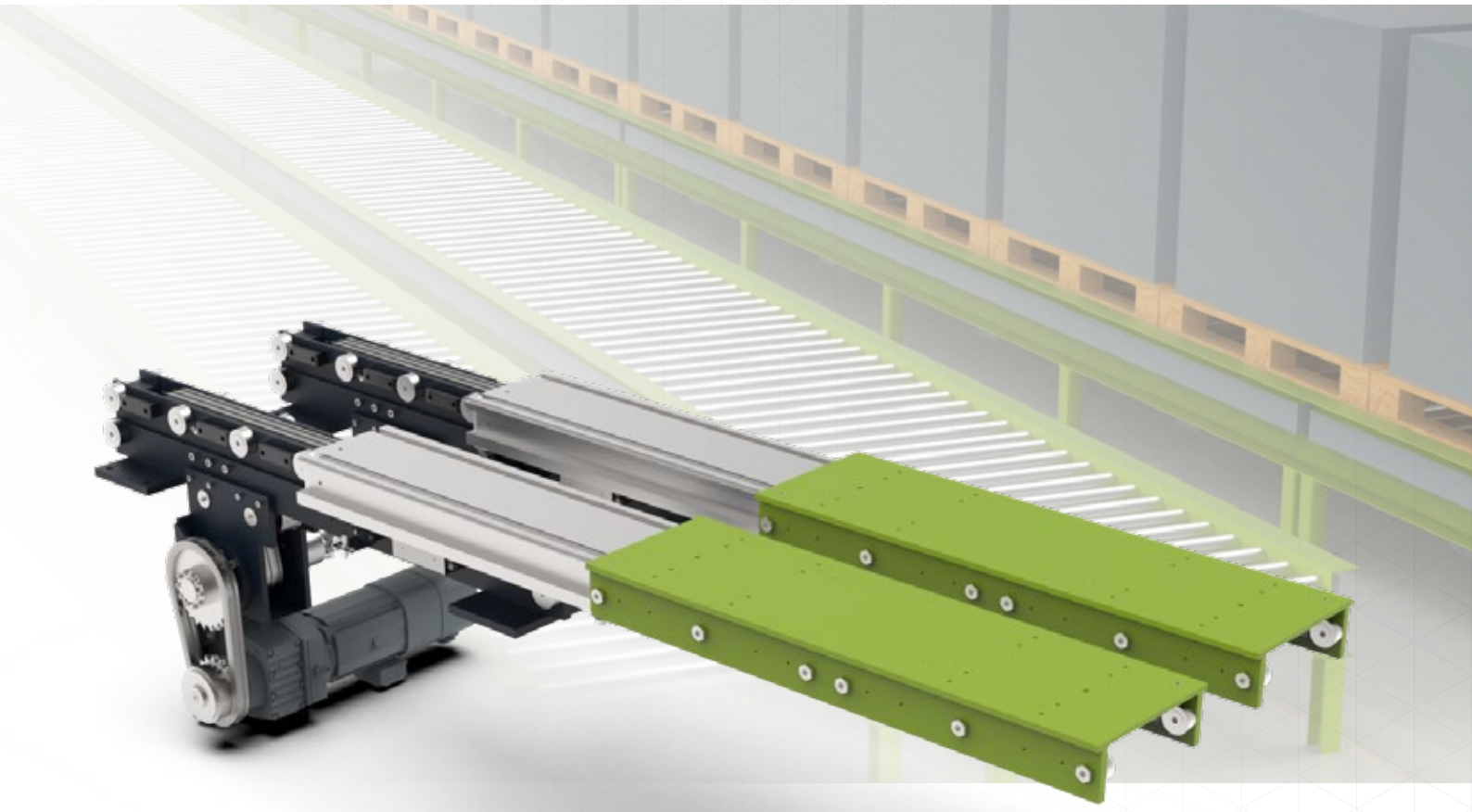


FIND OUT MORE

Optimized for project-specific requirements and special solutions, complemented by a powerful standard product range for typical applications.

MAXILOAD

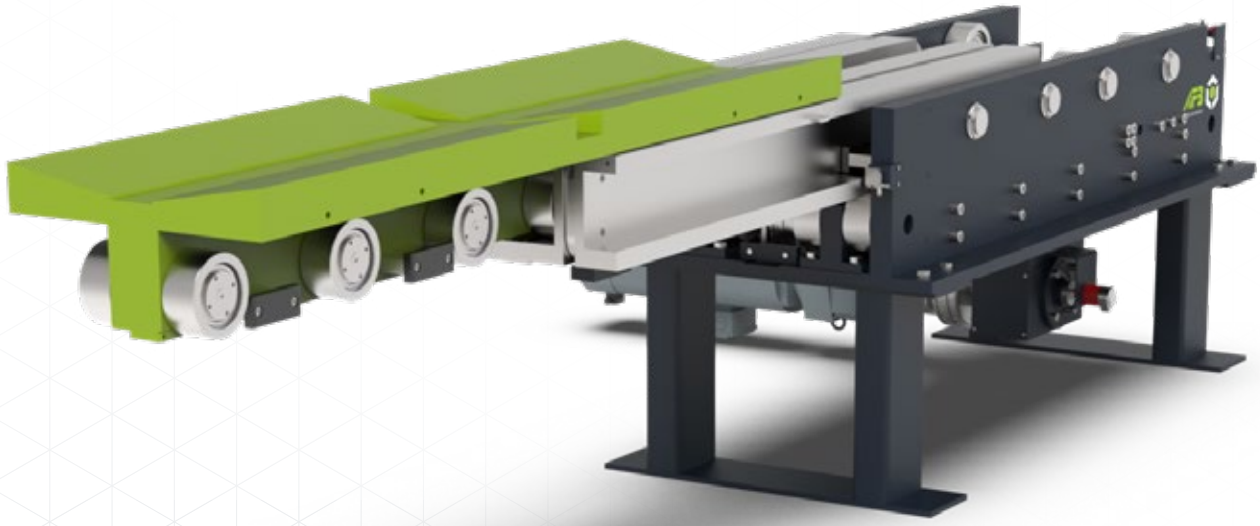
The MAXILOAD telescopic fork is designed for handling heavy loads in automated production and warehouse environments. Engineered for maximum load capacity and extreme operating conditions.



INSTALLED ON

- Vertical conveyors & eccentric lifting systems
- Stacker cranes
- Transfer cars
- Stationary loading units

LOADS BETWEEN
3 AND 50 TONS



KEY FEATURES

- Extremely robust construction for heavy loads
- Temperature resistance up to 400 °C
- Resistant to dirt and harsh industrial environments
- Long service life for maximum system availability
- Individually adaptable to load carriers
- Maintenance-friendly and cost-efficient in operation

FIND OUT MORE

Designed according to project-specific customer requirements.

ROTARY PUSHING FORKS

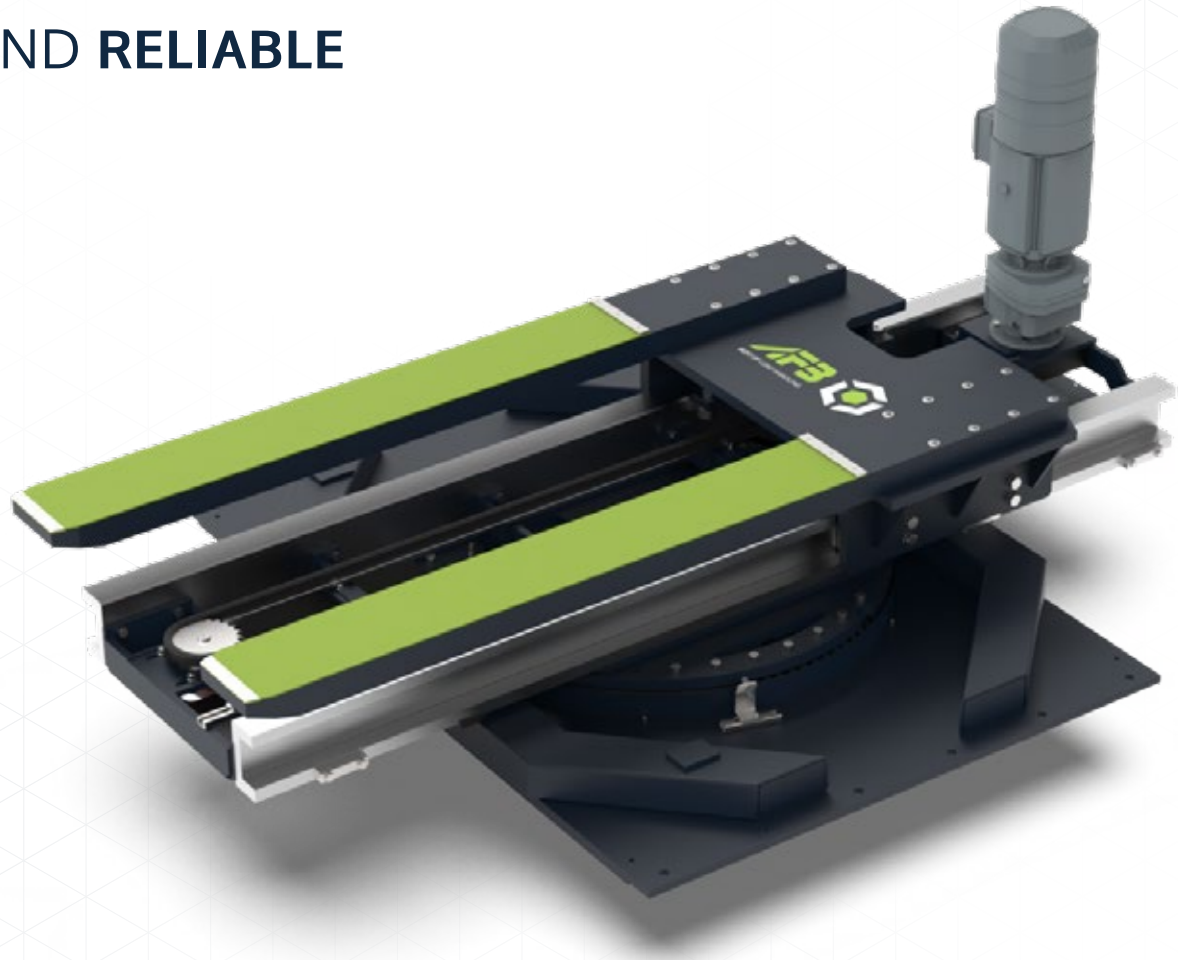
Rotary pushing forks enable flexible storage and retrieval of pallets, coils and closed load carriers, even in cross storage and limited installation space.



INSTALLED ON

- Vertical conveyors & eccentric lifting systems
- Stacker cranes
- Transfer cars & AGVs
- Stationary loading units

TAYLOR-MADE AND **RELIABLE**



KEY FEATURES

- Crosswise storage possible without additional depth supports
- Handling of closed load carriers
- Temperature resistance up to 400 °C
- Robust construction for industrial environments
- Durable and maintenance-friendly
- Economical continuous operation

FIND OUT MORE

Adaptable to specific storage and production requirements.

ROTARY TELESCOPIC FORKS

The rotary telescopic fork is the ideal solution for double-deep storage of closed load carriers and enables flexible storage strategies even in confined spaces.



INSTALLED ON

- Stacker cranes
- Shuttle systems
- Transfer cars & AGVs
- Stationary loading units

FLEXIBLE
AND **AGILE**



KEY FEATURES

- Double-deep crosswise storage possible
- Compact design with small turning radius
- No depth supports required for double-deep storage
- Reliable performance in continuous 24/7 operation
- Maintenance-friendly construction

FIND OUT MORE

Ideal for flexible storage concepts and customized solutions.

VERTICAL CONVEYOR

AFB vertical conveyors ensure reliable vertical transport of load carriers over large conveying heights. Precise, robust and economical continuous operation.



INSTALLED ON

- Shuttle warehouses
- Distribution centers
- Production automation
- Spare parts logistics

IDEAL FOR MODERN **INTRALOGISTICS**



KEY FEATURES

- Chain or belt-driven options available
- Modular combination with AFB systems
- High availability in continuous operation
- Mast systems for large conveying heights
- Spare parts supply over the entire lifecycle
- Maintenance-friendly construction

FIND OUT MORE

Individual project integration in new installations and retrofit systems.

ECCENTRIC LIFTING DEVICES

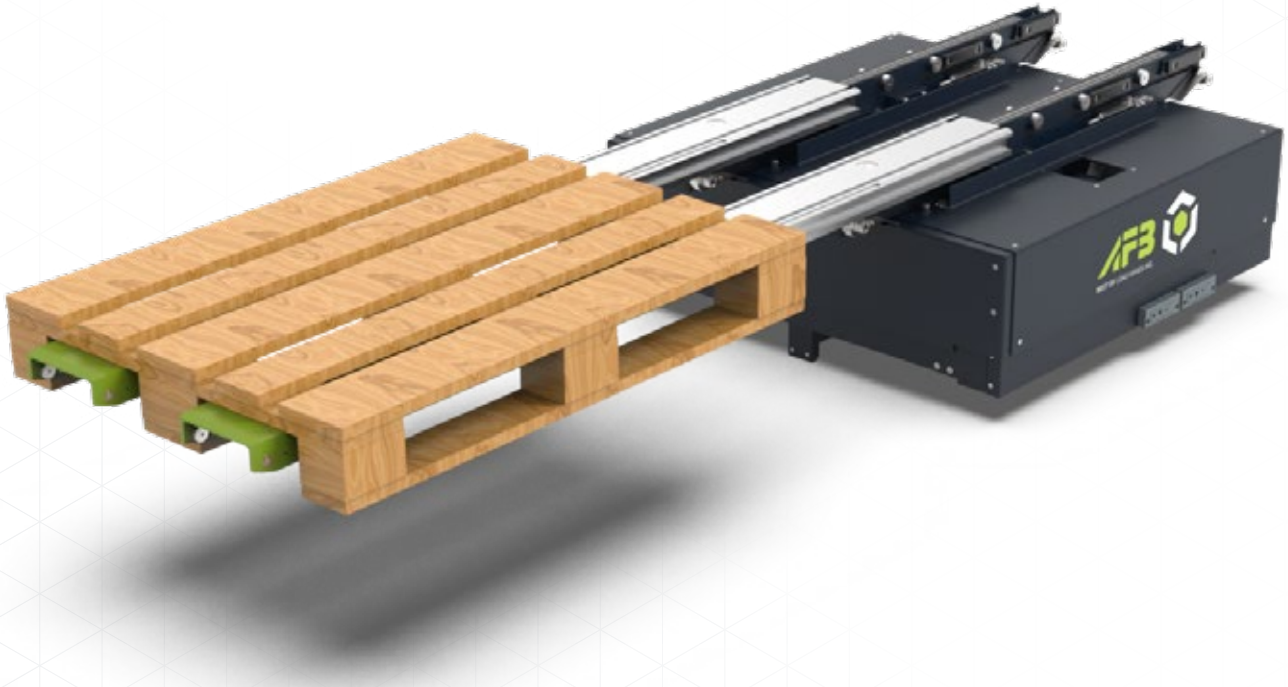
AFB eccentric lifting devices provide powerful lifting movements in a compact design, ideal for confined spaces and high loads.



INSTALLED ON

- Stacker cranes
- Transfer cars
- AGVs
- Stationary loading units

POWERFUL AND **COMPACT**



KEY FEATURES

- Load capacities up to 10 tons
- Robust construction for long service life
- Compact design for optimal use of space
- Suitable for continuous 24/7 operation
- Modular combination options
- Maintenance-friendly and economical

FIND OUT MORE

Flexibly configurable according to specific customer requirements.

TRANSFER CARS WITH ECCENTRIC LIFTING DEVICE

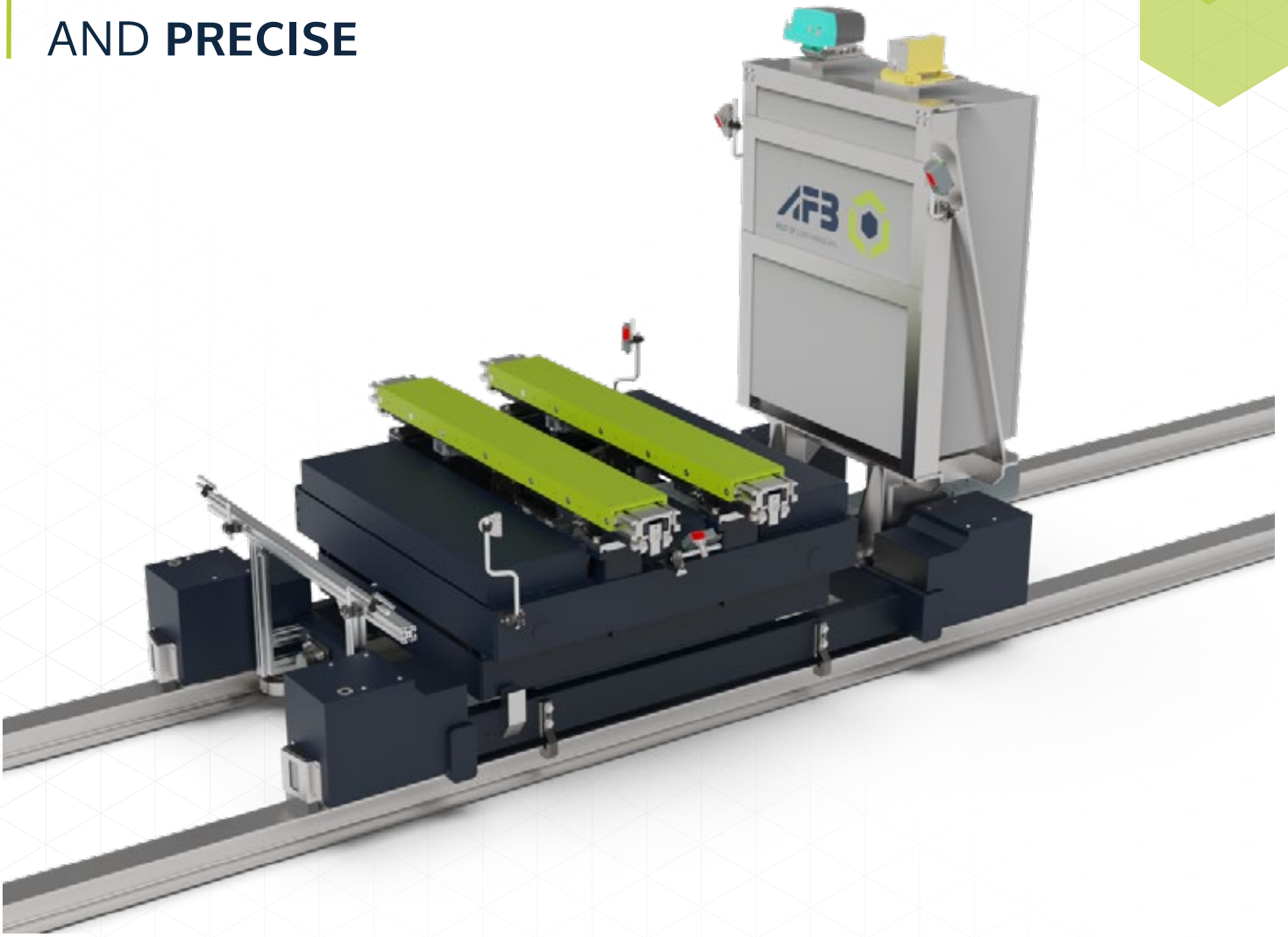
Our transfer cars with eccentric lifting device transport a wide range of load types efficiently and precisely within automated production and warehouse environments.



INDUSTRIAL APPLICATIONS

- Steel and aluminum production
- Manufacturing lines
- Pre-zones of high-bay warehouses
- Production automation

COMPACT
AND **PRECISE**



KEY FEATURES

- Robust construction for long service life
- Available as two-wheel or all-wheel drive and towed version
- Floor-guided without upper guide rail
- Compact design
- Reliable performance in continuous operation

FIND OUT MORE

Adaptable to existing and new system structures.

TRANSFER CARS WITH LIFT MAST SYSTEM

Transfer cars with lift mast system efficiently overcome height differences and enable flexible material flows in complex system layouts.



INDUSTRIAL APPLICATIONS

- Buffer storage areas
- Manufacturing lines
- Pre-zones of high-bay warehouses
- Production automation

VERSATILE AND **RELIABLE**



KEY FEATURES

- No upper guide rail required
- Integration into existing systems possible
- Double-deep storage possible
- Suitable for continuous operation
- Maintenance-friendly design

FIND OUT MORE

Optimized for economical and flexible system solutions.

TRANSFER CARS WITH INTEGRATED CONVEYOR SYSTEMS

These transfer cars combine transport and conveying functions in one system and enable fast and efficient processes with low pick-up and drop-off heights.



INDUSTRIAL APPLICATIONS

- Buffer storage areas
- Manufacturing lines
- Pre-zones of high-bay warehouses
- Production automation

CONNECT
AND **OPTIMIZE**



KEY FEATURES

- Integration into existing systems possible
- No upper guide rail required
- High dynamics and high throughput
- Suitable for continuous operation
- Maintenance-friendly and economical

FIND OUT MORE

Individually designed for project-specific requirements.

PUSH-PULL SYSTEM WITH A CIRCULATING CHAIN

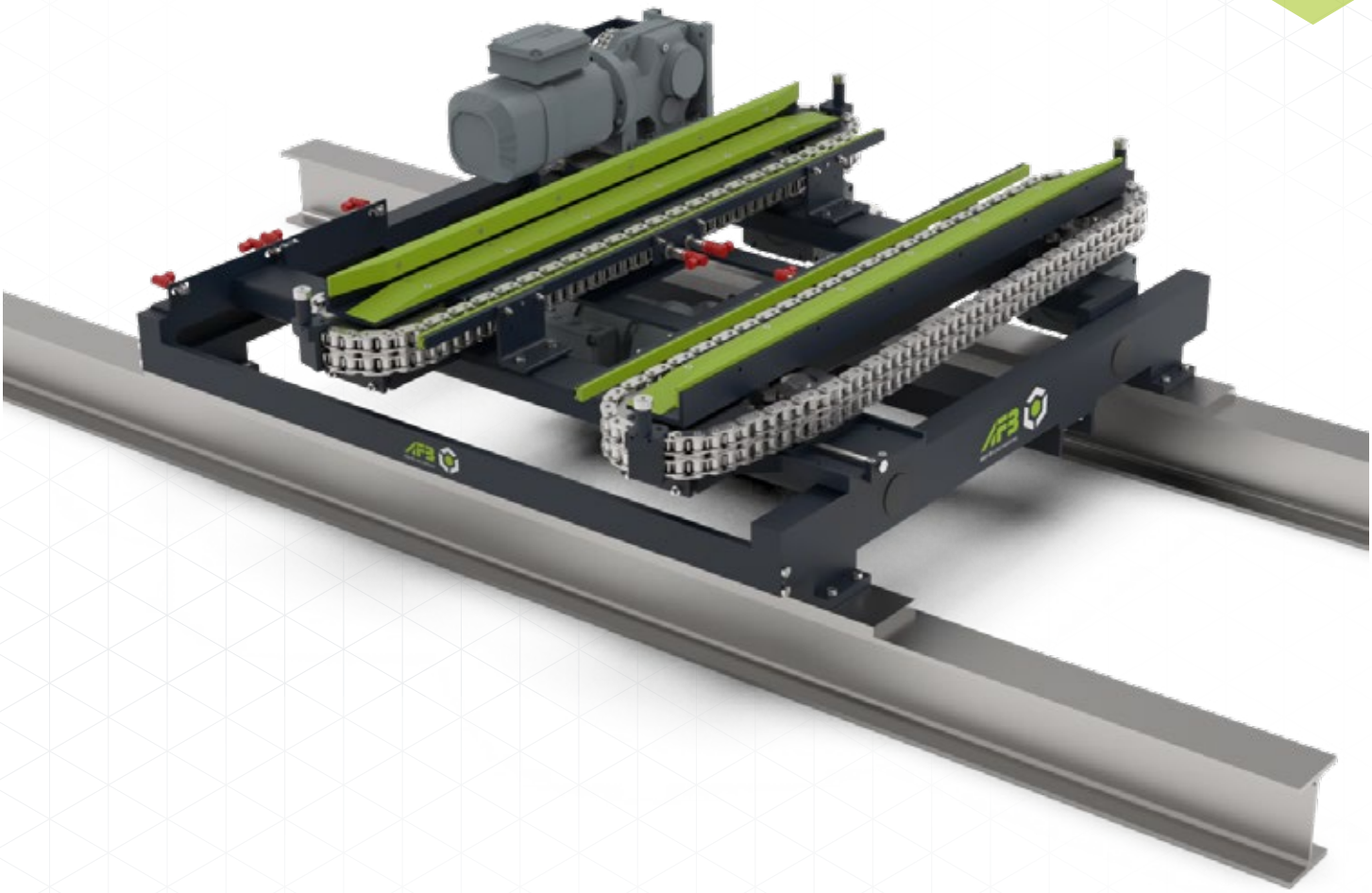
The pull system with circulating chain ensures smooth, precise motion sequences and high process stability in both new installations and retrofit projects.



INSTALLED ON

- Stacker cranes
- Shuttle systems
- Transfer cars & AGVs
- Stationary transfer stations

PRECISE AND **SAFE**



KEY FEATURES

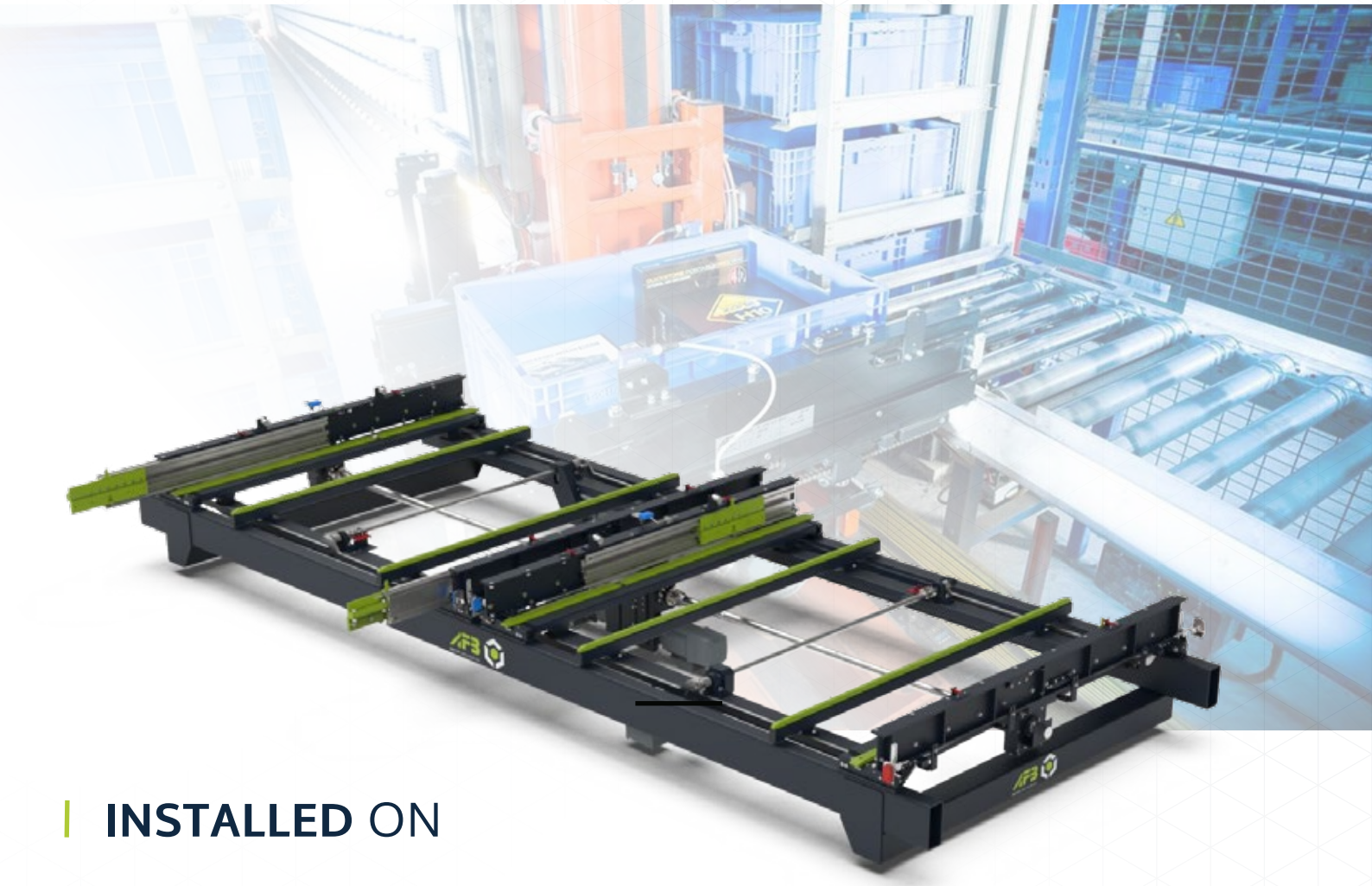
- Smooth motion sequence
- Robust, durable construction
- Integration into existing systems possible
- No lifting of the load required
- Maintenance-friendly and economical

FIND OUT MORE

Flexible integration into existing material flow systems.

PUSH-PULL SYSTEM WITH EXTENDABLE PRONGS

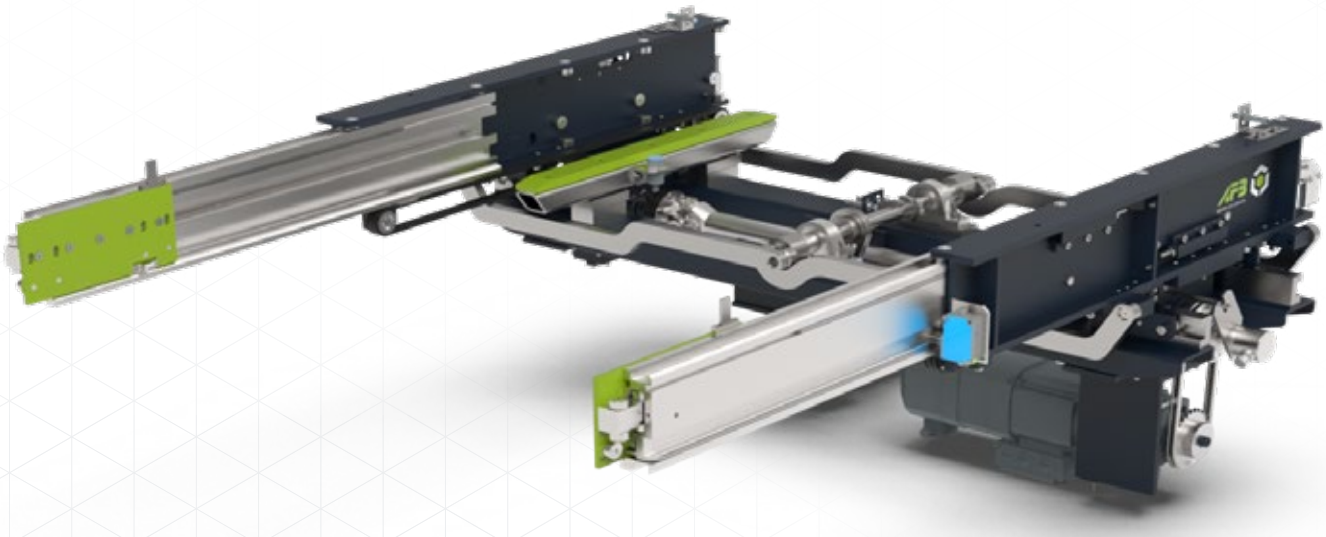
The pull system with extendable prongs enables safe storage and retrieval of trays, bins and special load carriers with minimal overall height.



INSTALLED ON

- Stacker cranes
- Shuttle systems
- Transfer cars & AGVs
- Stationary transfer stations

VERSATILE AND **RELIABLE**



KEY FEATURES

- Extendable profiles for confined spaces
- High flexibility for different load carriers
- Integration into existing systems possible
- No lifting of the load required
- Suitable for continuous operation
- Maintenance-friendly and cost-efficient

FIND OUT MORE

Individually adaptable according to specific customer requirements.

SERVICE AND **AFTERSALES**

Maximum system availability through reliable support.



Our service and after-sales team supports you in ensuring the long-term availability of your systems and minimizing downtime.

YOUR LIFECYCLE **PARTNER**

With fast response times and expert technical support, we accompany you throughout the entire life cycle of the systems we supply, from technical questions and spare parts to maintenance and optimization. Our goal is to ensure that your systems operate efficiently and reliably at all times.

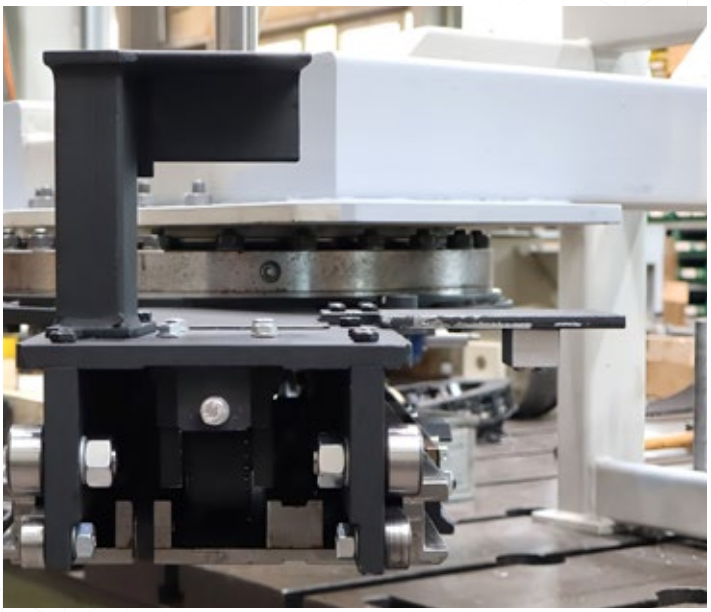


For feedback or questions, please contact our “Aftersales” team.

RETROFIT

Modernization and retrofitting of existing components and intralogistics systems.





AFB offers retrofit and modernization solutions for the expansion, retrofitting, or replacement of existing components and systems.

INTEGRATION AND SUPPORT

Our components and intralogistics systems can be optimally integrated into existing plant structures. The design of the equipment is individually adapted to the existing technical conditions. This allows existing systems to be modernized economically and adapted to new requirements. Components and systems from other manufacturers can also be replaced or modernized with solutions from AFB.

CUSTOMER BENEFITS

- **Higher system availability:** Modernization of existing systems without complete plant conversion.
- **Cost efficiency:** Reduced maintenance and spare parts costs thanks to modern components.
- **Minimised downtime:** Fast project implementation and short integration times.

REPAIR AND **MAINTENANCE**

Reliable service for maximum uptime.



FACTORY AND **ON-SITE** SUPPORT

We offer comprehensive maintenance and repair services for your AFB equipment, both as factory overhauls and directly at your site. The aim is to ensure the long-term performance of your systems, avoid unplanned downtime, and guarantee high system availability.

Factory refurbishment: During an overhaul at our factory, your system or component is completely disassembled, cleaned, and technically refurbished. Wear parts such as bearings and chains are replaced and the device is repainted. You receive a one-year warranty and benefit from significantly lower costs compared to a new device, while also enjoying a long service life and shorter delivery times.

On-site service: Our on-site service supports you with rapid fault analysis and mechanical repairs directly at your plant. Adjustments and repairs to chains and bearings, for example, enable rapid restoration of normal operation and minimize downtime.

For feedback or questions, please contact our “Aftersales” team.

SPARE PARTS / **AFB** SPECIAL TOOLS

30+ years of support with customer-specific spare parts and special tools.

AFB supplies original spare parts for the entire life cycle of its equipment, even for systems that have been in use for over 30 years. This ensures long-term maintenance, servicing, and spare parts supply, allowing existing systems to continue operating sustainably, conserving resources and reducing environmental impact.

Spare parts packages: To minimize downtime, we offer individually tailored spare parts packages. These range from complete wear parts sets ("All In") to important emergency spare parts ("Must Have"). In addition, specific replacement kits are available for components such as chains and bearings.



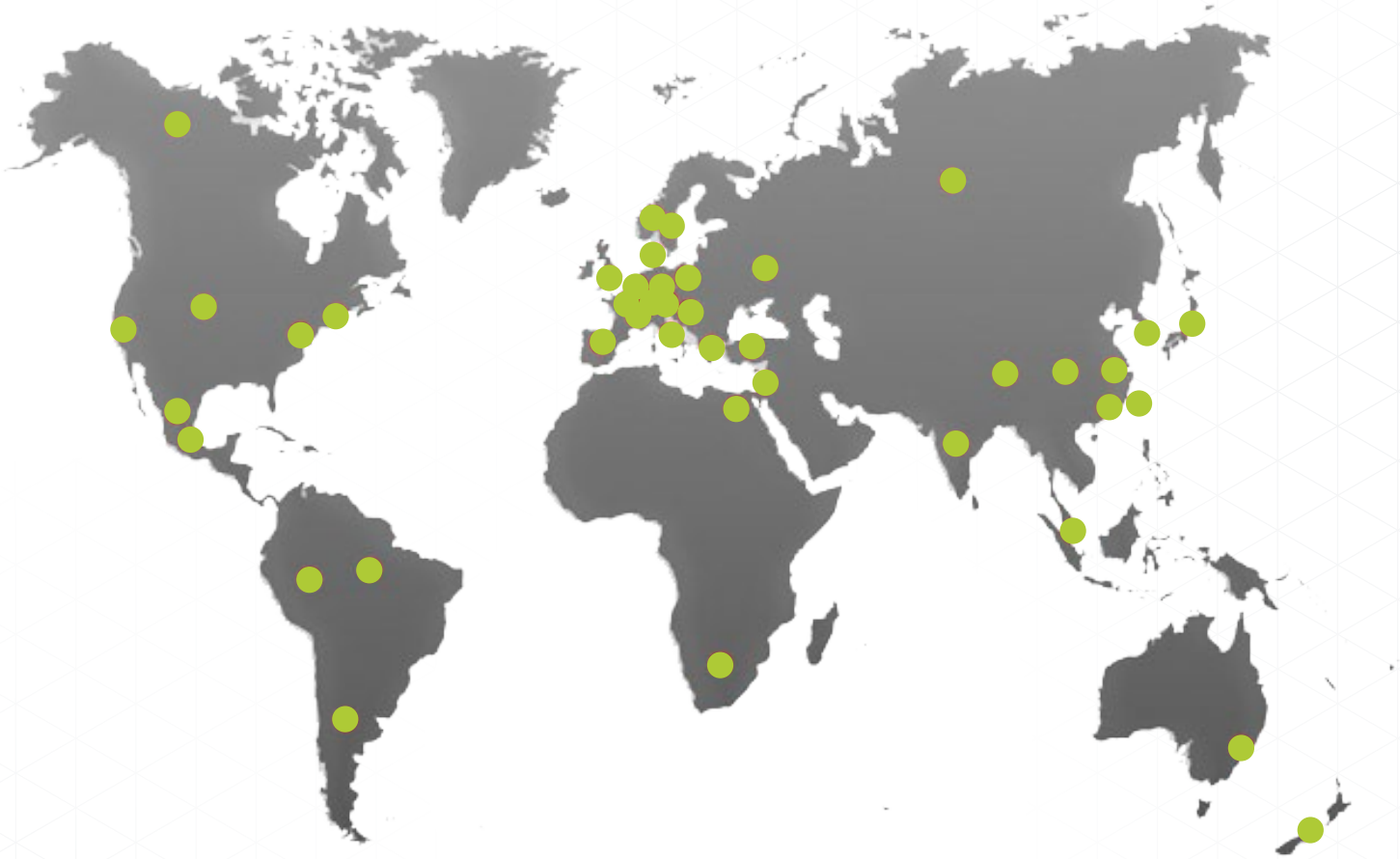
THE **AFB TOOLKIT**

Special tools: Our special tool set was developed specifically for maintenance and repair work on AFB devices. Among other things, it enables quick chain adjustment, clutch repairs, and bearing lubrication. The tools are available as a complete set or in a device-specific selection.

BRANCHES AND COUNTRIES

Our customers come from a variety of industries such as:

- Automotive industry
- Food industry
- Steel industry
- Aviation industry
- Furniture industry
- Automotive supplier industry
- Paper industry
- Beverage industry
- Porcelain and ceramic industry
- Building industry
- Pit and quarry industry
- Cold storage warehouses



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