

CUSTOM SOLUTIONS FOR WAREHOUSE AUTOMATION

siba
USA SYSTEM INTEGRATION



STACKER CRANES

MINI LOAD

LIFTS

RAIL-BOUND SYSTEMS

TROLLEY SYSTEMS

LOAD HANDLING DEVICES

SHUTTLE SYSTEMS / SPICKER

TELESCOPIC FORKS



CARLSON-DIMOND & WRIGHT, INC.

SIBA-USA SYSTEM INTEGRATION: PRECISION IN MOTION

SIBA-USA System Integration delivers advanced automation and AI-driven warehouse solutions. Backed by 25 years of engineering expertise, we simplify complex intralogistics into efficient, high-performance storage and retrieval systems.

Our offerings include high-speed stacker cranes, electric rail-bound transport systems, trolleys, and intelligent control software - each engineered to optimize intralogistics, maximize space, and enhance operational efficiency.



RBG STACKER CRANES



STACKER CRANES - CUSTOMIZED STORAGE SYSTEMS

SIBA-USA stacker cranes are designed for maximum space utilization and high handling speeds, with minimal approach dimensions. They are energy-efficient, resource-saving, and environmentally friendly. Our product range includes tailored solutions for various storage types, spaces, and performance needs. Advanced load-handling devices support single-depth, double-depth, and multi-depth storage configurations.

■ **RBG STACKER CRANE**
ONE MAST - STANDARD

Height: up to 30 m



■ **RBG STACKER CRANE**
TWO MAST - STANDARD

Height: up to 40 m



RBG - STANDARD

TECHNICAL DATA	ONE MAST	TWO MAST
Traveling speed: 4.0 m/s	Payload Depending on the load handling device up to 2 x 1,250 kg	Payload Depending on the load handling device up to 2,500 kg
Traveling acceleration: 1.2 m/s ²		
Lifting/lowering speed: 2 m/s	Load handling devices Shuttle AKF, telescopic forks (single-depth and double-depth), roller conveyor, chain conveyor, lifting unit, and rotating forks	Load handling devices Shuttle AKF, telescopic forks (single-depth and double-depth), roller conveyor, chain conveyor, lifting unit, and rotating forks
Lifting/lowering acceleration: 1 m/s ²		
Number of drive units: 1 or 2		

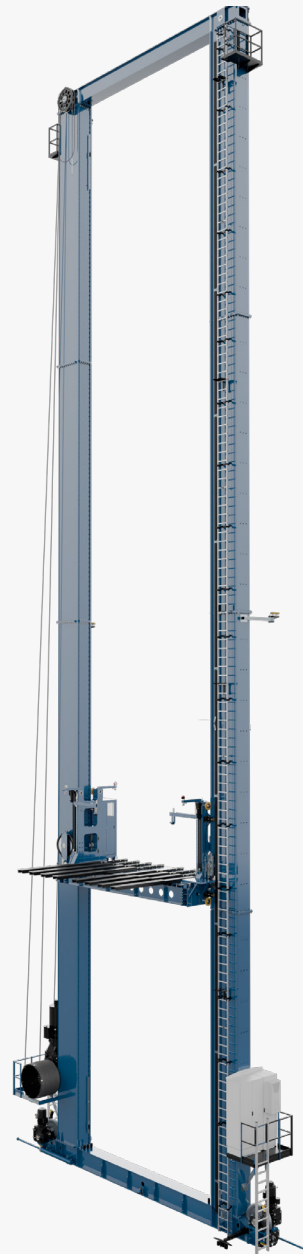
■ **RBG STACKER CRANE**
ONE MAST - HEAVY DUTY

Height: up to 45 m



■ **RBG STACKER CRANE**
TWO MAST - HEAVY DUTY

Height: up to 40 m



RBG - HEAVY DUTY

TECHNICAL DATA	ONE MAST	TWO MAST
Traveling speed: 4.0 m/s	Payload Depending on the load handling device up to 2,500 kg	Payload Depending on the load handling device up to 12,500 kg
Traveling acceleration: 1.2 m/s ²		
Lifting/lowering speed: 2 m/s	Load handling devices Shuttle AKF, telescopic forks (single-depth and double-depth), roller conveyor, chain conveyor, lifting unit, and rotating forks	Load handling devices Shuttle AKF, telescopic forks (single-depth and double-depth), roller conveyor, chain conveyor, lifting unit, and rotating forks
Lifting/lowering acceleration: 1 m/s ²		
Number of drive units: 1 or 2		

AKL MINI LOAD



FLEXIBLE MATERIAL HANDLING FOR SMALL PARTS WAREHOUSES

SIBA-USA offers a wide range of load handling devices for trays, boxes, and plastic containers. Storage can be single-depth or double-depth, depending on the application. The “Spicker” load-handling device enables mixed storage of products with varying packaging types without requiring additional loading equipment.

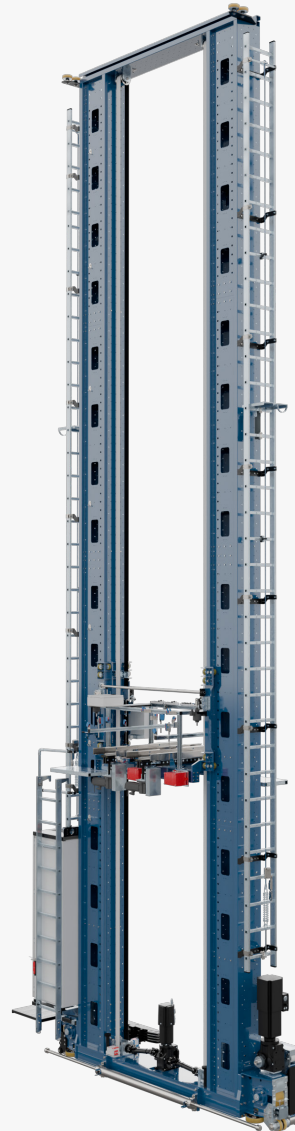
■ AKL STACKER CRANE ONE MAST

Height: up to 18 m



■ AKL STACKER CRANE TWO MAST

Height: up to 24 m



TECHNICAL DATA	ONE MAST	TWO MAST
Traveling speed	5 m/s	4 m/s
Traveling acceleration	3 m/s ²	2 m/s ²
Lifting / lowering speed	3 m/s	3 m/s
Lifting / lowering acceleration	3 m/s ²	3 m/s ²
Number of drive units	1	1 or 2
Payload	Depending on the load handling device 50 kg to 100 kg	Depending on the load handling device 50 kg to 100 kg
Load handling devices	Telescopic fork, telescopic fork with a conveyor, catcher, or "Spicker"	Telescopic fork, telescopic fork with a conveyor, catcher, or "Spicker"

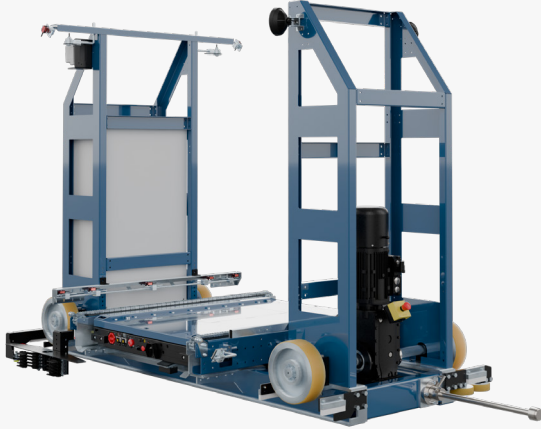
TROLLEYS

ENORMOUS STORAGE DENSITY - THE HIGHEST PERFORMANCE STANDARDS

Our 1Y and 2Y Trolley Systems are high-speed, automated transfer vehicles designed for dense warehouse storage. These energy-efficient systems transport goods across multiple rack levels simultaneously, boosting picking speeds and significantly reducing the facility's carbon footprint. By automating the goods-to-person process, they optimize storage capacity and remove the physical demands of manual retrieval.

■ TROLLEY 1Y

The 1Y Trolley is a compact automated cart for loading and unloading pallets or containers in rack storage systems. It operates as a single-level horizontal transport unit and integrates seamlessly into larger automated storage and retrieval systems.



TECHNICAL DATA

Minimum Height: 350 mm

Traveling speed: 4 m/s

Acceleration: 2 m/s²

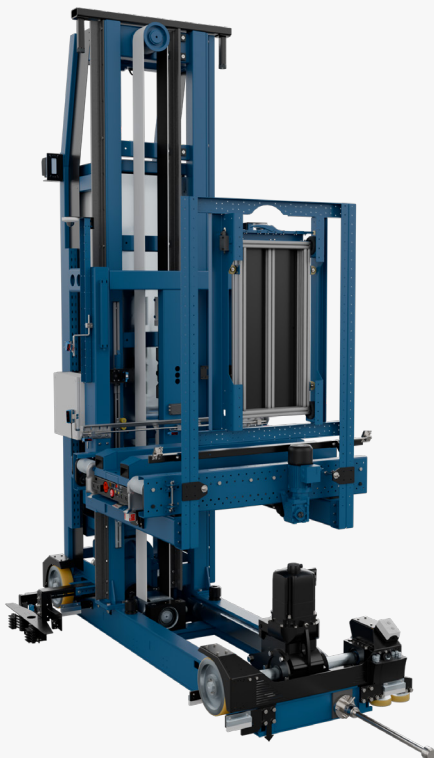
Transfer speed: 0.5 m/s

Payload: 1,200 kg

Number of drive units: 1 or 2

■ TROLLEY 2Y

The 2Y Trolley is built for high-performance applications. One or two rack levels are equipped with a trolley and a multi-depth load-handling device, enabling simultaneous storage and retrieval operations. This system delivers high storage density within a minimal footprint.



TECHNICAL DATA

Height: up to 5 m / 2-3 levels

Traveling speed: 3 m/s

Traveling acceleration: 0.6 m/s²

Lifting / lowering speed: 0.4 m/s

Lifting / lowering acceleration: 0.4 m/s²

Payload: 1,000 kg

Number of drive units: 1

Load handling devices: Shuttle AKF, Roller conveyor, Chain conveyor and Lifting units

LOAD HANDLING & CONVEYING EQUIPMENT



FULL RANGE OF LOGISTICS EQUIPMENT

We offer advanced Load Handling Devices (LHDs) for precise storage and retrieval, paired with integrated conveyor systems for uninterrupted material flow. These components are integrated into custom automation solutions that manage products efficiently from rack to shipping dock.

Every operation is unique. Our compact, high-efficiency equipment ensures fast, space-saving, and reliable material movement—adaptable to your specific requirements.

AKF SHUTTLE SYSTEMS

The AKF Shuttle System is an autonomous, battery-powered pallet carrier for deep-lane storage. It moves pallets within rack channels to maximize warehouse density and eliminates the need for additional forklift aisles.



AKF L-Line

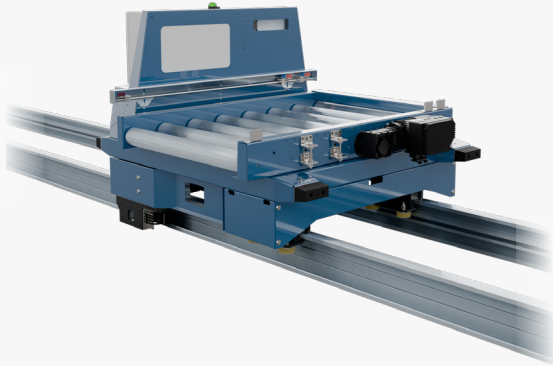


AKF Q-Line

TECHNICAL DATA	AKF L-LINE	AKF Q-LINE
Primary Use	Standard euro and industrial pallets	Oversized, one-way, and CHEP pallets
Max Payload	1,200 kg	2,500 kg
Max Load Size	Standard - up to 1,200 x 1,000 mm	Up to 4,000 x 4,000 mm (flexible)
Rail Clearance	570 mm (expandable to 800 mm)	950 mm
Min. System Height	~175 mm (ultra-flat design)	~175 mm (ultra-flat design)

ETB ELECTRIC RAIL-BOUND SYSTEM

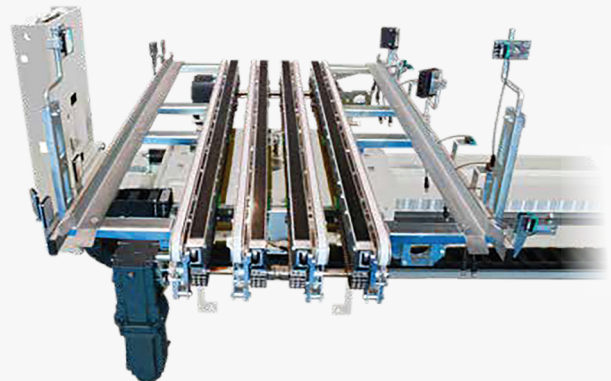
The SIBA electric rail-bound system is a floor-guided transport vehicle that runs on ground-mounted rails. Designed for compact components of small to medium size, it provides a powerful and reliable solution for demanding conveying processes.



TECHNICAL DATA
Minimum Height: 750 mm
Standard speed: 3 m/s
Curve speed: 0.5 m/s
Transfer speed: 0.5 m/s
Standard acceleration: 0.5 m/s ²
Transfer speed: 0.4 m/s
Payload: 1,200 kg

SPICKER

The "Spicker" load-handling device manages mixed products of various sizes and packaging, enabling high-density storage and reducing operational costs. By eliminating the need for extra loading aids, the Spicker maximizes warehouse space and supports efficient, high-speed retrieval.





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CDWdrives (SIBA-USA) is the exclusive North American partner and authorized service provider for SIBA System Integration, a global leader in automated storage and intralogistics. This partnership leverages CDWdrives' automation expertise and SIBA's advanced stacker crane technology to deliver higher warehouse density, improved throughput, and scalable logistics solutions.

SIBA stacker cranes offer high-speed performance, compact designs for maximum storage and energy efficiency to lower operational costs and support sustainability goals.

We deliver resource-efficient, adaptable automation for evolving supply chain demands. With dedicated North American support and repair services, SIBA-USA ensures efficient project delivery and long-term system reliability.



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