

Case Study



Apparel&Fashion

P800

Shelf-to-Person

The Challenge

- Increased Demand: Rapid growth in sales of shoes and apparel in Japan.
- Labor Shortages: Aging population led to higher labor costs and scarcity.
- Operational Inefficiencies: Long walking distances for warehouse operators reduced productivity.



Geek+ Solution

- Solution Deployed: Shelf-to-Person
- 202 Picking Robots: Streamlined operations by automating goods retrieval.
- 6,000 Racks: Optimized storage in a 10,000m² warehouse in CHIBA.

Geek+ Impact

- Efficiency: Increased picking efficiency to meet growing demand.
- Labor: Mitigated labor shortages and reduced reliance on manual work.
- Operations: Enabled same-day delivery for Tokyo customers.
- E-commerce Growth: Supported Nike's expanding online sales in Japan.

About Customer

NIKE, Inc., the global leader in athletic footwear, apparel, and equipment, is renowned for its innovative designs and commitment to sports and fitness excellence.

Case Study



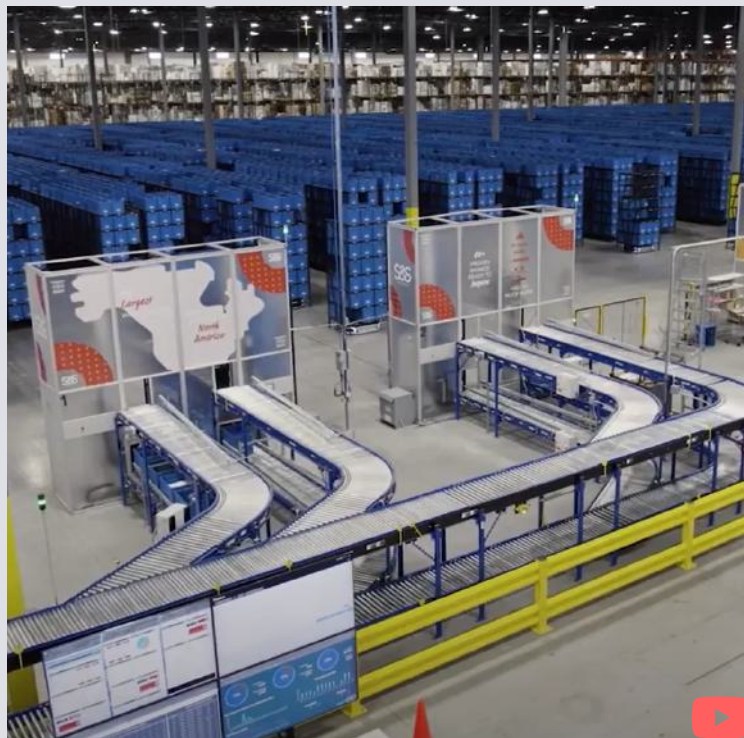
Apparel&Fashion

P800

Shelf-to-Person

The Challenge

- Productivity Optimization: Efficiently utilizing labor in large-scale warehouses.
- Order Accuracy: Maintaining high fulfillment standards to meet customer expectations.
- Delivery Speed: Reducing lead times for timely deliveries.
- Business Growth: Scaling operations to handle increasing demand.



Geek+ Solution

- Solution Deployed: Shelf-to-Person
- 340 AMR Robots: Reduce manual labor.
- 24 PopPick Workstations: Streamlined order picking.
- 2 Inbound/Outbound Workstations: Seamless operations.



Brian Beale

Chief Technology Officer,
S&S Activewear

“Advancing our warehouse operations with Körber and Geek+’s robotics and automation expertise has been a natural and impactful evolution in our technology journey.”

Geek+ Impact

- Efficiency & Accuracy: Faster, more precise order picking.
- Capacity: Processing up to 4,500 order lines per hour.
- Faster Deliveries: Reduced lead times through optimized workflows.
- Scalability: Flexible system ready to support future growth.



About Customer

S&S Activewear, founded in 1988 and headquartered in Illinois, is a leading distributor of apparel and accessories, serving the U.S. and Canada. With over 4 million sq. ft of warehouse space, S&S supports a diverse customer base, including retail brands, e-commerce platforms, and lifestyle brands.

Contact Us

View Case Online



Case Study

Geek+ x George.

Apparel&Fashion

P800

Shelf-to-Person

The Challenge

- Returns Management: High return volumes strained operations during peak periods.
- Fulfillment Efficiency: Needed faster order picking and processing.
- Storage Constraints: Limited space to handle fluctuating SKU volumes.
- Labor Inefficiencies: Manual processes increased costs and slowed operations.



Geek+ Solution

- Solution Deployed: Shelf-to-Person
- 4-Sided Rack Design: P800 returns solution.
- Optimized Storage: availability for 700 SKUs and 7,200 units daily.
- Ergonomic Design: Improved ease of use and operational flow for workers.



Chris Hall

Vice President, Asda
Logistics Services

I'm delighted to see this project go live, supporting the growth of our George.com business. The collaboration between internal teams, AMH, and Geek+ has resulted in a high-quality solution that enhances the colleague experience and significantly improves operational effectiveness.

Geek+ Impact

- Returns: Same-day restocking boosted availability.
- Fulfillment: Accelerated speed ensured peak efficiency.
- Space: Optimized storage maximized capacity.
- Workers: Automation reduced strain, enhancing productivity.
- Customers: Faster deliveries elevated satisfaction.



About Customer

George, a leading UK-based clothing brand under the Asda family, is known for its affordable, high-quality apparel. With a growing online presence, George faces the challenge of managing extensive inventory and returns, especially during peak shopping seasons.

Case Study



Apparel&Fashion

Roboshuttle

Tote-to-Person

The Challenge

- Global Expansion: Surge in international orders required operational agility.
- Seasonal Trends: Needed flexible logistics to handle fluctuating demand.
- SKU Complexity: Large product variety demanded advanced inventory management.
- High-Demand Inefficiencies: Slower picking and bottlenecks during peak periods.



Geek+ Solution

- Solution Deployed: Tote-to-Person
- Dual-Robot Collaboration: RS robots optimized vertical storage; P40 robots ensured high-speed picking.
- Smart Inventory: Frequently ordered items stored.
- Flexible Load Management: Supported bins and cartons of all sizes to reduce costs.

Geek+ Impact

- Efficiency: Picking speed tripled.
- Storage: Vertical optimization
- Quick Deployment: Minimal disruption during implementation.
- Expenses: Recycling storage boxes improved processes.
- Scalability: Adaptable system ready for continued growth.

About Customer

Xtep Group, a globally recognized sports shoe and apparel brand, is rapidly expanding its international presence. To meet growing customer demands, Xtep required a robust and adaptable logistics solution.

Case Study

Geek+ X



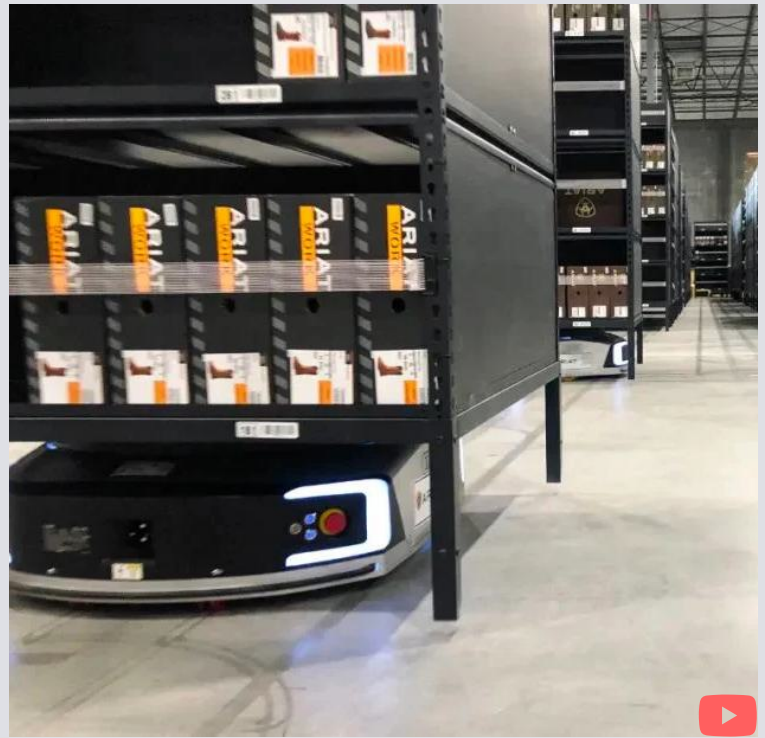
Apparel&Fashion

P800

Shelf-to-Person

The Challenge

- Labor Shortages: Industry-wide labor scarcity increased operational pressure.
- Operational Strain: Extensive walking and repetitive tasks impacted associate productivity.
- Demand Surge: Rising customer demand required scalable and efficient solutions.



Geek+ Solution

- Solution Deployed: Shelf-to-Person
- Körber Integration: Seamless interaction with K.Motion Warehouse Advantage (WMS).
- 2,000 Racks: Expanded storage capacity to optimize space utilization.



Matt Hardenberg

VP of Distribution
Ariat International

“Geek+'s AMRs allow us to move our employees away from repetitive tasks and towards more rewarding activities, resulting in a better working environment and bringing greater value to the services we provide our customers.

Geek+ Impact

- Efficiency: Enhanced picking speed and accuracy, reducing errors.
- Productivity: Achieved a 100% increase in associate productivity.
- Warehouse: Decreased associate walking by 82%, improving workplace satisfaction.
- Scalability: Easily handled demand surges without bottlenecks.

About Customer

Ariat International, a leading equestrian and performance footwear and apparel brand, operates a massive 1 million sq. ft warehouse to meet growing customer demand.

Contact Us

View Case Online



Case Study



Apparel&Fashion

P800

Shelf-to-Person

Sorting

The Challenge

- Demand Volatility: Unpredictable customer orders strained supply chain operations
- Manual Process Limitations: Traditional workflows delayed order handling and fulfillment
- Delivery Speed Requirements: Same-day and next-day fulfillment critical during peak periods
- Scalability: Needed a flexible, future-proof system to handle growing business demands



Geek+ Solution

- Fleet of 250 AMR Robots: Automated sorting and picking workflows with precision and efficiency
- Sorting and Picking Automation: Streamlined order fulfillment from inventory handling to delivery prep
- Advanced Robotics Technology: AI-driven algorithms optimized inventory placement and retrieval
- Scalable Design: System adapted to evolving demand and future business growth

Geek+ Impact

- Enhanced Productivity: 2x improvement in warehouse operations
- High Order Volumes: Processed over 16,000 products daily
- Same-Day Fulfillment: Rapid and accurate deliveries even during peak sales periods
- Seamless Scalability: Flexible system supports growing inventory and future expansion

About Customer

NEXT is a leading UK retailer specializing in clothing, footwear, and home products, with over 700 stores worldwide and millions of customers annually. A member of the FTSE 100, NEXT is recognized for innovative e-commerce and customer-focused retail solutions.

Case Study



Apparel&Fashion

3PL

P800

The Challenge

- Guaranteed timely order processing and fast delivery
- Reduce carbon emissions
- Improve customer experience



Geek+ Solution

- Geek+ standard shelf-to-person solution
- More than 200 AMR robots

Geek+ Impact

- The average daily processing order exceeds 120,000
- - Empower customers such as Adidas to fulfill online orders at lightning speed
- - Guaranteed seamless returns order processing
- - Reduce carbon emissions throughout the distribution process

About Customer

DB Schenker is the third largest brand of Deutschen Bahn AG since 2007, along with DB Bahn and DB Netze. Its business scope includes All transport and logistics services of the DB Group. One of the world's leading providers of international transportation and integrated logistics services.

[Contact Us](#)

[View Case Online](#)

