



SCHÖNENBERGER

GARMENT LOGISTICS SUCCESS STORY

DIGEL AG, NAGOLD



THE OBJECTIVE: FLEXIBLE LOGISTICS FOR GARMENT STORAGE, RECEIVING AND DISPATCH

FLEXIBLE, USEFUL
FUNCTIONAL AREAS

TIME SAVING
THROUGH SHORT
ROUTES AND EASY
HANDLING

OPTIMAL USE
OF SPACE

PERFECT
ORGANIZATION
AND OVERSIGHT

TRANSPARENCY ON
INVENTORY AND
WAREHOUSE
MOVEMENTS

ERGONOMICS FOR
MOBILE AND
FIXED WORKPLACES

GENTLE HANGING
TRANSPORT

MODULAR SYSTEM
FOR SIMPLE
EXTENSIONS

WITH INTELLIGENCE AND SYSTEM FOR OPTIMIZED GARMENT DISTRIBUTION

Quality and customer service have always been the top priorities of Digel, the Swabian men's outfitters. The company has earned a good reputation over the decades and in recent years has become a brand with international appeal. Digel customers appreciate that every order received before 2pm will be shipped the same day. In order to redeem this service promise, Digel relies on Schönenberger's transport system at its logistics center in Nagold.

Around 1,200 parcels leave Nagold every day on average, and at peak times that number is much higher. Add to that about 6,000 pieces of hanging garments for trading partners. All in all, Digel records 35,000 parts that are delivered on a weekly basis and replenished accordingly by the production sites. Their total storage capacity currently comprises around 450,000 parts.

A FLEXIBLE SYSTEM FOR DYNAMICALLY GROWING DISTRIBUTION

The three-story logistics center in Nagold was commissioned in 2004 and expanded in 2018. The new building had become necessary for capacity reasons. Digel decided on a "good friend" with Schönenberger as system supplier because Schönenberger systems were already in use at the old location. The efficiency and flexibility of Schönenberger's proposed hanging transport system weren't the only things that impressed Digel. On top of that, the integration of manual workstations with fully automated transport routes and the optimal use of space through the simple, modular system satisfied the wishes of the planners and decision makers at Digel.

INTEGRATION OF FULLY AUTOMATIC AND MANUAL TRANSPORT

The Schönenberger warehouse and transport system Omniflo continues to prove itself as the ideal solution. It enables the intelligent sorting and organization of goods, easy access to individual garments and fast turnaround times – even under the highest loads.

The identification of the trolleys by means of barcodes or labels ensures the defined flow of goods as well as continuous control in the system. Transport of trolleys coupled to long trains takes place automatically, wherever this makes sense or enhances efficiency. Thus, large quantities of new goods arrive fully automatically via ascending conveyors to the warehouses in the two upper stories, where they are automatically moved to stations. Transelastic conveyors ensure continuous transport between the functional units on a single level.

TIME SAVING THROUGH SHORT ROUTES AND PERFECT ORGANIZATION

The accelerated transport of the trolley trains also works manually. Thanks to the smooth-running trolleys, even trains that are many meters long can be pulled by an employee without requiring a lot of effort. Short distances within the functional areas are also important for fast throughput of goods. In the receiving area and quality assurance, for example, dynamic storage areas can be classified in such a way that employees with mobile workstations can always drive up to the goods quickly and directly. The picked goods are also grouped together on trolleys, coupled to trains and dispatched on optimized routes.

QUALITY AND SERVICE OF A LOW-MAINTENANCE, HIGHLY RESILIENT SYSTEM

"Even with a significant increase in transport volumes, there were never transport bottlenecks. And that was even despite the rapid increase in customer orders in recent years," praises the shipping manager at Digel, Andreas Broch. The system doesn't need a lot of service, he says. Every now and then there are a few wear parts to be replaced and the in-house technicians take care of it. Only the inclined conveyors are serviced annually by the Schönenberger Service – the conveyors installed in 2004 are still running smoothly after 14 years, even under the most demanding conditions.



THE SCHÖNENBERGER TRANSPORT SYSTEM AT DIGEL

Scope of work

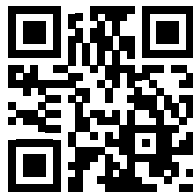
- Planning advice and support
- Detailed design
- Project management
- Production of customer-specific parts
- Installation, commissioning
- Staff training
- Service & Maintenance

Advantages for the customer

- Fast turnaround times
- Short delivery times
- Simple expansion
- Orderly process
- Gentle transport
- High availability of parts

Technical solution

- Schönenberger logistics system Omniflo for hanging garment transport
- 11,700 installed rail meters
- 6 fully automatic inclined conveyor systems
- 26 TEF transelastic conveyors for the integration of manual workstations
- 2 loading loops
- Automatic empty trolley return



Digel in action

Scan the QR code and take a look at the Schönenberger transport system at Digel in action. <https://vimeo.com/240963190>

"The Schönenberger system has never let us down. Virtually no downtime, maximum load capacity, and good service: We are very satisfied."

Andreas Broch, shipping manager, Digel AG Nagold, 2017



THE COMPANY: DIGEL AG

Digel is an international manufacturer of men's fashion. The Swabian family business, with headquarters in Nagold, was founded in 1939 by Gustav Digel and is now run by the third generation. Digel's collections are represented in over 40 countries and at more than 3,000 points of sale. There are also four Digel stores throughout Germany as well as other stores in Chambéry (France), Tomsk (Russia), Budapest (Hungary) and Almaty (Kazakhstan). With around 300 employees, the company generated sales of just under € 110 million in 2017.



SCHÖNENBERGER

looks back on 40 years of experience in conveyor and storage technology. The company employs more than 80 people and has so far opened more than 2,500 plants worldwide. The focus is on transport systems with a center-hanging rail track for production and warehousing and, as a whole, on plants for just-in-time or just-in-sequence supply to production, assembly or dispatch workstations. Other core competences are in customer-specific solutions, including specially developed equipment and load carriers, as well as in electronic control systems and their integration – also in customers' host systems.

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SCHÖNENBERGER Systeme GmbH

Justus-von-Liebig-Straße 12 • 86899 Landsberg am Lech • Germany

☎ +49 8191 10 10 • info@schoenenberger.de

www.schoenenberger.de

SCHÖNENBERGER Systems (Taicang) Co., LTD.

No. 66 East Ningbo Rd • Taicang City • Jiangsu Province • 215400 PR China

☎ +86 512-5383 5468 • info@schoenenberger.cn