



CADDYPICK | PICKING MADE EASY

MAXIMUM EFFICIENCY FOR STORE-SPECIFIC PICKING

The Solution Design

CaddyPick is a semi-automated picking system for store-specific transport units designed primarily for the requirements of the retail industry.

CaddyPick combines the Person-to-Goods with the Zone-to-Zone picking function. Automated monorail carriers – the CaddyPicks – transport the order unit (pallet or roll cage) safely and efficiently through the picking aisles.

Accurate and Efficient Picking

Picking is highly efficient and error-free because a screen at the picking station shows the order to be picked and the picking location is indicated by an LED dot on the floor. The weighing system integrated into each CaddyPick checks whether the weight of the picked goods corresponds to the weight of the ordered goods. The operator is notified of any discrepancy.

The CaddyPick system has another important benefit: Each CaddyPick can accommodate empty pallets, shrink wrap and cardboard boxes, eliminating the need for personnel to dispose of these materials. Automated stations remove these waste materials before the CaddyPick moves to the next order. The picked and wrapped pallets are then transported to the shipping area.

BENEFITS

- 30% to 40% better picking performance than conventional solutions
- CaddyPick creates an efficient working environment for your picking operators:
 - Quiet as CaddyPick replaces noisy pallet jacks
 - Safe due the high level of automation prevents breakage and damage
 - Clean as the CaddyPicks can store & remove waste material
- Low operating costs

CADDYPICK INSTALLATIONS

DM-DROGERIE MARKT GMBH
GERMANY



DENNER AG
SWITZERLAND



SUSTAINABLE MATERIALS HANDLING SOLUTION FOR FAST-GROWING STORE NETWORKS

With 2 400 stores, dm-drogerie markt is one of Europe's largest drugstore chains. Because of its above-average growth rate, the company decided to build a new distribution center.

Swisslog's Scope of Service

- Turnkey planning and implementation
- Picking solution with CaddyPick monorail systems in two locations
- Complete facility automation
- Material flow software
- Complete facility visualization

Materials Handling Facts

- 250 000 – 400 000 units/day
- 24 000 pallet locations
- 255 CaddyPicks

DISTRIBUTION CENTER EXPANSION USING CADDYPICK

With 3 300 employees and more than 430 stores, Denner AG is one of Switzerland's largest discount supermarket chains. To keep pace with growth, the company decided to expand its existing facility using CaddyPick.

Swisslog's Scope of Service

- Planning and implementation of construction and materials handling
- CaddyPick picking system
- Warehouse management system
- Material flow
- Visualization using SPOC
- Controls for monorail system, conveyors and stacker cranes

Materials Handling Facts

- 50 000 – 60 000 units/day
- 19 300 pallet locations
- 64 CaddyPicks

“With Swisslog, we have a competent and high-performance partner who knows exactly the requirements of the retail trade and who brings long-standing experience in the design and implementation of complex logistics solutions to the table.”

Christian Bodi, dm-drogerie markt GmbH

“The solution that Swisslog has implemented will enable us to permanently reduce our logistics costs through efficiency gains.”

Markus Wüthrich, Denner AG



WATCH THE REFERENCE
MOVIE ON YOUTUBE
[youtube.com/watch?v=T0qqDkIHluc](https://www.youtube.com/watch?v=T0qqDkIHluc)

MORE INSTALLATIONS

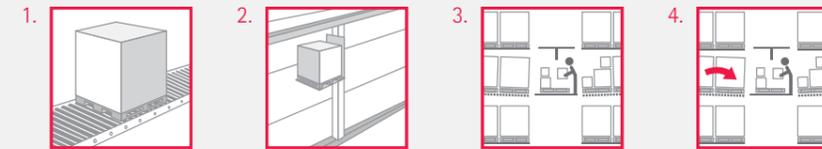


CaddyPick: How the Solution Design Works

The solution concept consists of individual subsystems and combines the person-to-goods with the Zone-to-Zone approach. The subsystems are connected through material flow control and warehouse management software. It is the intelligent way the systems are interlinked that creates an efficient and sustainable picking solution.



REPLENISHMENT



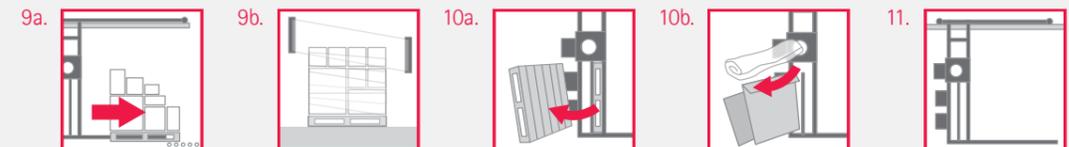
1. Conveyors transport the replenishment pallets.
2. Stacker cranes automatically move the replenishment pallets into the storage and picking area.
3. The integrated storage and picking area has one or more picking levels.
4. Stacker cranes continuously replenish the picking stations.

PICKING



5. An empty transport unit (pallet or roll cage) is loaded into the CaddyPick.
6. Picking is done right into the transport unit provided by the CaddyPick. Items to be picked are indicated by an LED dot.
7. An integrated automated weighing system validates and acknowledges the picks.
8. After picking, the CaddyPick automatically moves to the next picking location.

UNLOADING



9. The picked pallet is unloaded automatically in shipping. The custom-picked pallets are wrapped, labeled and prepared for transport.
10. The materials collected during picking (empty pallets, shrink wrap and cardboard boxes) are automatically removed at the unloading station.
11. The CaddyPick starts a new picking cycle.



IMPROVED QUALITY AND MAXIMUM PICKING PERFORMANCE

FACTS

SKU range	1 500 - 8 000
Picked cases per day	50 000 - 450 000
Number of pallets and roll-cages per day	1 000 - 12 000
Number of pick floor levels	1 - 4

ABOUT SWISSLOG

In today's competitive world, companies must be able to deliver the right orders to the right customers at the right time. Errors and delays in order fulfillment can have lasting negative impacts on the brand – but maintaining high stock levels ties up capital and affects flexibility.

As a full-service provider of automated intralogistics systems, Swisslog delivers everything companies need to optimize logistics from planning through implementation.

Our order fulfillment and inventory solutions enable companies to achieve the highest throughput at the lowest cost, efficiently handle large catalogs of SKUs, and accurately meet delivery demands and requirements.

DESIGN



Consult



Analyze



Design
Variants



Select the
Solution

DEVELOP



Engineering



Integration



Installation



Ramp Up

DELIVER



Preventive
Maintenance



24/7 Support



Optimization
& Spare Parts



Modernization
& Expansion