

# Efficient, reliable & simple – high performance light goods conveyor system



## Flexible platform for a wide range of tasks

Swisslog's light goods conveyor system QuickMove is based on a flexible set of high-quality conveyor elements and an integrated controls approach for optimized material flow solutions in a wide range of applications.

It features a plug & play architecture integrating mechanical parts, electronics and controls as well as a consistently energy-efficient design.

## Modular conveyor system for small loads

Swisslog customers all around the world have already integrated QuickMove into their operations. The conveyor system provides an additional layer of safety and reliability for transporting critical goods, ensuring they reach their destination on time.

### Benefits

#### Reliable

Preassembled and tested conveyor elements are combined to individually optimized conveyor systems.

#### Intelligent design

Individual zone control, using 24 VDC drive rollers, provides energy-efficient conveyor solutions.

#### Plug&Play

Reduced infrastructure and minimized maintenance effort thanks to fully electrically-driven elements.

# A conveyor system with a sustainable modular design and smart controls

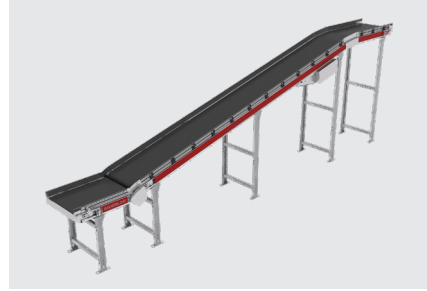
## Design & realization



## Elements & components



## Supplies & controls



### General

- Conveyor elements are delivered ready for installation (including sensors, as well as drive & controls hardware)
- Motor rollers with Poly-V or PU round belt drives (for 24V elements)
- Belt conveyor concept with shaft-mounted 400V AC motors and drive inverters
- Drive and sensor cables integrated in side profiles

### Roller conveyor

- Zone control with individually controlled drive for zero pressure accumulation
- Flexible arrangements of rollers – roller pitch and roller width

### Belt conveyor

- Straight, curved, inclined or declined versions
- With or without tracking functionality

### Diverts & transfers

- 24V divert, infinitely adjustable from +45° to -45°
- 24V transfer, merging / diverting in a 90° angle

### Lifter

- Vertical belt drive
- 400V drive
- Flexible mounting of various conveying elements

### Gravity roller conveyor (Non-driven)

- Typically used in a straight or declined arrangement

### Add-on

- Stop element
- Flexible sideguides
- Additional sensors

### Applications

- Pick-up and deposit for SmartCarrier & Tornado
- Goods-to-person (GtP) workstations
- Tray loader and unloader

### QuickBox controls

- Integrated in the Swisslog automation concept
- Integrated diagnostics and safety
- Toolchain supported code generation

## Facts

Load range	up to 50 kg
Standard operating speeds	0.8 to 1.2 m/s (2.6 to 3.9 ft/s)
Standard acceleration	1.5 m/s <sup>2</sup>
Standard width	420 / 520 / 620 / 820 mm
Throughput of Transfer (90°)	up to 1,600 TU/h
Throughput of Divert (45°)	up to 3,400 TU/h
Incline / Decline	up to 20°
Temperature range	from 5 °C to 40 °C (41 °F to 104 °F)
Transport units	totes, trays, cartons
Transport unit size	up to 800 x 600 mm (2.6 x 2 ft)

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