



Optimal intralogistics solution for industrial laundry

Challenge / Project goal

- Automatic loading of pouches for sorting according to customer orders
- Optimal use of space in existing building
- High transporting loads (up to 8 kg per shuttle)
- Daily processing of 20,000 pouches with foil wrapped laundry items

Scope of delivery and performance

- 13,500 Skyfall shuttles "L" with Ferag pouches
- 500m SkyTrain circulation conveyor ($v = 0.5\text{m/s}$)
- 5 automatic loading stations (max. 600 pouches/h per station)
- 4 3D buffers with 3,000 pouches each
- 8 batch lines
- One 6³ sorter up to 3,000 pouches/h
- 5 automatic unloading stations process up to 600 pouches/min
- 1 buffer for empty pouches (capacity: up to 1,500 pouches)

Customer details

- Dumoulin
- Industrial laundry
- Family-owned company in second generation
- Founded in 1959
- Location: Comines, Belgium



Solution / Result

- Installation: 500m SkyTrain
- Performance up to 3,000 pouches/h
- Barcode identification
- Product dimensions: max. 750 x 550 x 200 mm
- Pouch capacity: 6-7 kg (pouch weight = 1.5 kg)
- Installation: summer 2018
- Installation time: approx. 4 months
- System integrator: SSI Schäfer

Reason Why

- Automatic solution
- Order-related sorting of goods
- Optimal use of space
- Fast sorting

