



Efficient removal of used cardboard boxes from returns

Challenge / Project goal

- Automation of used cardboard boxes management
- Handling of different cardboard box sizes
- Dropping and disposal directly into press container
- Ergonomic workplaces
- Guaranteed process reliability

Scope of delivery and performance

- 390 m plate chain conveyor deniway
- 290 m side guide for used cardboard boxes
- Specific folding mechanism at the unloading point
- Covered and safe loading area
- Drag device: every 2 m
- Customized colour design

Customer details

- Zalando SE
- Europe's leading online fashion platform
- Headoffice in Berlin, Germany
- Founding year: 2008
- Delivery to 17 countries
- Over 15'000 employees
- 5.4 billion Euro annual turnover (FY 2018)



Solution / Result

- Plate chain conveyor with side guides
- Max. item dimension: 800 x 600 x 500 mm (incl. wings)
- Transport speed: 0.3 - 0.8 m/s
- Max. performance: 3'600 items/h
- Max. weight: 2 kg
- Installation in 2019 within 2 months in Mönchengladbach
- Further deniway systems at Zalando in Brieselang and Erfurt



Reason Why

- Automation of the disposal of waste cardboard boxes
- Reduction of energy and operating costs
- Modular system structure and easy to expand
- Low noise emission

