



Sorting of high-quality optical spectacle lenses for shipping

Challenge / Project goal

- Optimization of the shipping sortation process
- Automated infeed from packaging machine
- Many sorting destinations at very tight space conditions
- Customized software and user interface
- Fragile goods
- Noise emission <70dBA

Scope of delivery and performance

- 115 m denisort chain
- 230 customized trays
- Tray dimension: 320 x 400/300 mm (long side leading)
- 192 sorting destinations directly into plastic containers
- Automated double-deck infeed directly from the packaging machine
- Semi-automatic infeed for special orders

Customer details

- ZEISS Vision Care in Aalen (Germany)
- ZEISS is a leading global technology company in the optical and optoelectronic industry
- 60 own sales and service companies
- 30 production locations
- 30'000 employees in 50 countries
- Founding year: 1846
- 5.8 billion Euro annual turnover (FY 2017/18)



Solution / Result

- 115m long denisort with 192 sorting destinations on an area of 85 m²
- Barcode identification
- Chain speed: 0.6 m/s
- Max. techn. performance: 4'300 items/h
- Max. item weight: 500g
- Traceability of orders thanks to intelligent error management
- Modular system structure
- Year of installation: 2018



Reason Why

- Automation and optimization of the sorting process
- Improved sorting quality
- Optimized use of available space
- Reduction of energy and operating costs
- Proven technology
- Low noise emission

