

Recycling & Sustainability

In the recycling and waste processing industries, robust, low-maintenance, and durable lift tables, transport equipment, and conveyor technology components are essential. Systems for sorting, processing, and recycling recyclable materials are exposed to high mechanical loads, aggressive environmental conditions, and highly variable conveyed goods.

Our transport solutions for the recycling and waste disposal industry are specially tailored to these challenges. They are stable, adaptable, and ready for continuous use under harsh operating conditions.

Industry challenges

The circular economy places special demands on material flow and plant technology. Conveyor components must not only handle large quantities of a wide variety of materials, but also withstand extreme environmental and process conditions:

- Abrasive materials such as scrap metal, plastic granulate, shredded material, or waste fractions
- Dust, moisture, oils, aggressive vapors, and chemicals
- Conveyed materials that vary greatly in weight, shape, and consistency
- Long operating times with minimal maintenance windows
- Integration into existing disposal and sorting plants with limited space

Our conveyor technology components are designed precisely for these operating conditions. This makes them particularly resilient, robust, and ideally suited for continuous operation in recycling centers, composting plants, recycling centers, and waste disposal facilities.

Recycling and waste industry

- **Transport equipment for recycling plants:** Our specially reinforced transport equipment is designed for heavy-duty industrial use in waste sorting plants, scrap yards, and waste recycling facilities. With a reinforced chassis, abrasion-resistant wheels, dirt-repellent construction, and optional slip-resistant platform surface, they are ideal for internal material transport. Even on uneven floors and with changing loads.
- **Conveyor rollers for sorting and processing plants:** We offer conveyor rollers made of solid materials, low-maintenance bearings, and reinforced axle bearings that work reliably even with coarse bulk materials and heavy weights. Special coatings and bearing seals protect against dust, moisture, and chemicals. This makes the conveyor rollers ideal for waste sorting, composting lines, or the processing of waste glass, plastic, and metal.

- **Conveyor rollers for systems in waste management:** Our roller solutions are designed for heavy loads and continuous operation, with abrasion-resistant surfaces, optional antistatic properties, reinforced axle pins, and thermally resistant materials available on request. Variants for inclined conveyor lines or feeders to shredders, presses, and palletizing systems are also available.
- **Components for sustainability systems and environmental technology:** Whether in plastics recycling, organic waste processing, or electronic waste recycling, our components integrate seamlessly into automated recycling systems, material separation lines, and conveyor belt systems. They increase system availability and reduce maintenance cycles, which is a key aspect of sustainable process design.

Technical advantages at a glance

- Conrollers for coarse, abrasive, or moist materials
- Low-maintenance transport equipment with robust chassis for harsh environmental conditions
- Conveyor rollers with special coating, antistatic design, and sealing systems
- Optimized conveyor solutions for sorting, processing, and disposal plants
- Durable components for recycling plants, composting plants, and recycling centers
- Modular integration into existing conveyor belt technology for environmental technology and recycling

Whether for sorting plants, composting, or shredding lines, we supply robust components for efficient and sustainable conveyor technology.

Contact our team of experts for individual advice.