

Chemical, pharmaceutical, and packaging industries

The processing of chemical, pharmaceutical, and plastic-based materials places particularly high demands on conveyor technology. Hygiene requirements, cleanroom compatibility, antistatic properties, and chemical resistance are essential features in these sensitive production environments.

Our solutions offer technical components that meet both the demanding process conditions and applicable standards for safety, hygiene, and product purity.

We supply robust and precisely designed transport equipment, lift tables, and conveyor technology components that are designed for operation in chemical plants, pharmaceutical facilities, and plastics processing. They are adaptable, durable, and engineered precisely to customer-specific requirements.

Industry challenges

In the chemical and pharmaceutical industries, as well as in packaging and plastics processing, both materials and production conditions must be precisely controlled.

Typical requirements include:

- Cleanroom suitability and hygiene compliance (e.g., for pharmaceutical processes)
- Chemical resistance of surfaces
- Conductivity and antistatic design
- Contamination-free conveyance of intermediate and end products
- Precise, reproducible motion sequences in automated lines
- Integration into existing production facilities with high cycle rates and quality requirements

These requirements call for specialized components that function reliably while meeting the quality and safety standards of highly sensitive industries.

Chemical and pharmaceutical industry

In chemical production plants and pharmaceutical processes, the focus is on the controlled, safe, and clean transport of materials. Our systems are designed precisely for these applications:

- **Transport equipment for chemical plants:** Our transport equipment features chemical-resistant surface coatings, antistatic wheels and castors, and low-maintenance bearing technology. It can be configured for use in potentially explosive atmospheres and is suitable for the safe transport of containers, canisters, or drums in hazardous material environments.
- **Lifting tables for pharmaceutical production:** These height-adjustable work platforms are equipped with smooth, easy-to-clean surfaces, such as stainless steel, or can be manufactured with stainless steel components on request. They enable ergonomic material transfers and are often used in laboratory areas, filling stations, or packaging lines.
- **Conveyor rollers with stainless steel bearings and special coatings:** For pharmaceutical applications, we offer conveyor rollers with stainless steel axles, sealed stainless steel bearings, and coated jacket tubes. These are antistatic, resistant to aggressive cleaning agents, and suitable for use in GMP-certified areas.
- **Conveyor technology for clean rooms and laboratory areas:** Our conveyor components for laboratories and clean rooms are particle-free, low-maintenance, and hygienically designed—with closed ends, conductive running surfaces, and low particle emission.
- **Wheels & casters:** For the chemical and pharmaceutical industries, we offer wheels and casters that are hygienic, chemical-resistant, and corrosion-free. They are ideal for clean rooms, laboratories, production lines, and potentially explosive areas. Our wheels are easy to clean, quiet, abrasion-resistant, and optionally conductive or ATEX-compliant. Our range includes polyamide wheels (PA), polypropylene wheels (PP), phenolic resin wheels, polyurethane wheels, stainless steel casters with plastic treads, and antistatic wheels.

Packaging & plastics industry

The manufacture, processing, and packaging of plastics, films, bottles, or pharmaceutical primary packaging requires precise and flexible conveyor technology. Our systems conveyor automated processes along the entire packaging line, from raw material feed to shipping.

- **Conveyor technology components for packaging lines:** We supply modular conveyor technology components, driven feeding modules, and individually configurable deflection stations. Our components ensure stable product guidance, precise timing, and smooth transfers, especially in automated packaging processes.
- **Transport equipment for plastics processing:** Our platform trucks and trolleys with heat-resistant castors and low-noise running surfaces are tailored to the specific requirements of the plastics industry.
- **Lifting tables in film and plastics packaging:** We offer lifting systems with manual or electric controls for ergonomic adjustment of the working height or for moving film rolls and plastic containers. Special designs that are individually adapted to your production line can also be ordered from us.
- **Antistatic conveyor rollers for packaging materials:** Our conveyor rollers for the packaging industry feature conductive coatings and electrostatic-protected bearing designs. This ensures safe conveying even in dry environments or sensitive production areas. We also offer wheels and castors as spare parts and to improve running characteristics.

Technical advantages at a glance

- Chemical-resistant materials, antistatic components, stainless steel options
- Conveyor rollers with FDA-compliant bearings, suitable for clean room and laboratory areas
- Conveyor technology modules for hygiene-critical areas (e.g., pharmaceutical lines)
- Conveyor solutions for packaging materials, plastic products, and sensitive goods
- Transport equipment for hazardous material handling, sensitive material flow, or cleanroom environments

Whether in chemical manufacturing, the pharmaceutical industry, or plastics processing, our components meet the highest standards of hygiene, safety, and precision. Trust in tested quality and customized conveyor technology for sensitive applications.

Feel free to contact our experts for an industry-specific solution or a technical consultation.

Arrange your free consultation with our experts now!