

Construction industry, raw materials & heavy industry

The extraction, processing, and transport of raw materials, as well as the industrial handling of heavy loads, place particularly high demands on conveyor technology and transport solutions. In the construction industry, iron and steel processing, and the mining industry, robust, low-maintenance, and high-performance systems are required that can operate reliably even under extreme conditions.

Challenges in the construction and heavy industries

Standard solutions are quickly overwhelmed by harsh environmental conditions such as dust, vibrations, temperature fluctuations, and high mechanical stress. Typical challenges in these industries include:

Extremely high loads & impact loads

Continuous operation in heat, cold, or humidity

Construction and raw materials industry

In quarries, concrete plants, cement factories, and building material recycling plants, conveyor systems and heavy-duty systems are the backbone of material logistics.

Our solutions:

- **Heavy-duty trailers with high load capacity and robust tires:** For transporting precast concrete parts, bulk material containers, or building components on uneven terrain. The shear load trailers can be individually adapted to your requirements.
- **Hydraulic lift tables for precast plants and concrete mixer lines:** For positioning heavy components or for ergonomic unloading of formwork carriers. Load capacities of up to 10 tons are possible.

Iron and steel industry

In foundries, steelworks, and metal processing plants, mechanical stress and material weight are particularly high. The heat is also often higher in these plants. Here, we rely on proven heavy-duty technology:

- **Heat-resistant conveyor rollers and conveyor technology components:** For conveyor belt systems that move profiles, sheet metal, or casting molds—including temperature-resistant bearings and reinforced shafts.
- **Heavy-duty trailers for internal coil or mold transport:** With steel-reinforced chassis, optional superstructures for special geometries, and for connection to indoor crane or AGV systems.
- **Industrial transport equipment for demanding operating conditions:** With robust chassis construction and heat-resistant powder coating – low-maintenance and ready for use in high-load factory halls.
- **Ergonomically optimized lift tables for foundry and rolling mill areas:** For precise height adjustment of heavy workpieces during machining or forming processes.
- **Wheels & castors with high load capacity and heat resistance:** For this special area, we offer particularly robust wheels and castors that are ideal for high loads, heat, and harsh environments. These include cast iron wheels, steel wheels, polyamide or phenolic resin castors, and vulkollan or polyurethane-coated wheels.

Mining industry

Stability, reliability, and low maintenance are key in raw material extraction in the mining industry. Our specially developed solutions for mining and ore extraction:

- **Conveyor technology:** conveyor rollers with extra-thick walls, deep-drawn end plates, and hardened bearing housings for long service life
- **Lifting tables:** For this area, we offer lifting tables that are robust, durable, and adapted to harsh operating conditions. The requirements for high load capacities, high safety standards, and resistance to dust, dirt, moisture, vibration, and heat can be perfectly met.
- **Conveyor rollers and conveyor technology components** for mobile shaft conveyor systems
- **Heavy-duty trailers:** With a low center of gravity, robust axle technology, and optimized load distribution – also for manual operation or automatic coupling with tractors.
- **Wheels and castors:** For this area, we offer wheels and castors that are specially designed for the extreme requirements of the mining industry. Our products are highly resilient, impact and abrasion resistant, and resistant to moisture, dust, dirt, chemicals, and extreme temperatures. Our range includes, for example, steel or cast iron wheels, solid rubber wheels, polyurethane wheels, and solid steel wheels.

Technical advantages at a glance:

- **Conveyor rollers for heavy-duty and bulk material applications** – also for cement plants, foundries, or quarries
- **Heavy-duty conveyor technology** with high load capacity and reinforced frames
- **Low-maintenance conveyor systems** with durable bearing units and robust corrosion protection
- **Individually configurable components** for integration into existing industrial systems
- **Conveyor solutions** for abrasive, dusty, and coarse-grained materials
- **Heat-resistant wheels and castors** for heavy loads

Our conveyor components for the construction industry, open-pit mining, steel mills, and raw material processing have been developed for extreme operating conditions. Talk to our technicians about your requirements – we will deliver the right solution for your material flow.

Please contact us for a personalized consultation!