

Project-Report

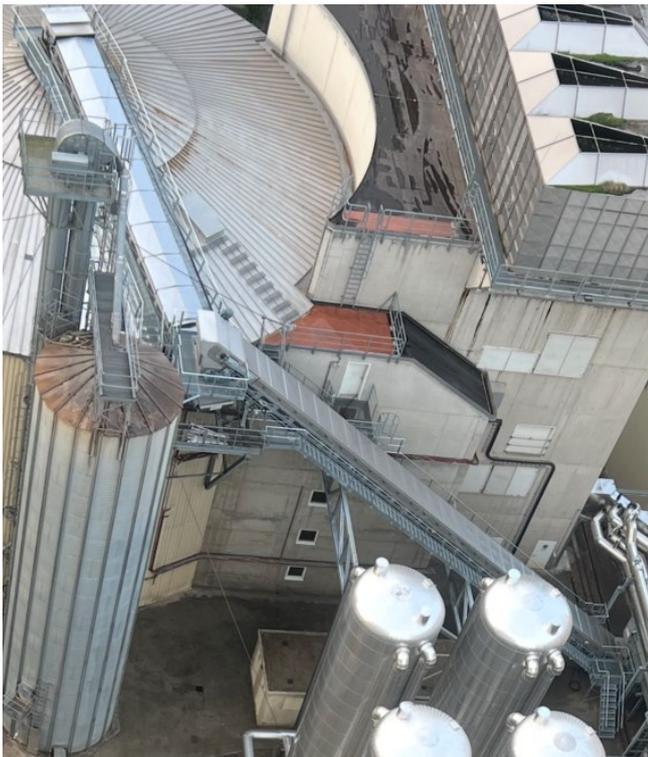
New cover belt conveyor for Avangard Malz

* Our Job

VHV Anlagenbau received an order from Avangard Malz in Bremen to quickly engineer, manufacture, and install a new belt conveyor after a fire damage. The goal was to recreate the material flow between the production stages as soon as possible and to transport the sensitive raw material, malt, gently and reliably. Within just six weeks, the entire project was completed: the existing site was measured with a 3D scanner, the new system was precisely designed in a CAD system, and process improvements were integrated at the same time.

Delivery took place on schedule in pre-assembled segments to keep on-site installation time short and allow production to restart as quickly as possible. Immediately after installation, the system was put into operation, and the green malt was once again conveyed to the kiln. Since then, the kiln feeding process has been running reliably, cleanly, and efficiently with the VHV cover belt conveyor technology.

* Our solution



VHV cover belt conveyor

Technical details:

- VHV cover belt conveyor
- Belt widths 1400mm
- Center distance 33500mm
- Inclination 37°
- conveying capacity 500m³/h
- Conveyed material: Malt

Components made of stainless steel:

material guides, headboxes, collection trays, rain covers

The core tasks for VHV:

- Measurement of the existing plant after fire damage
- Design of precisely fitting replacement machines
- Manufacture and delivery of the machines
- On- site assembly and vulcanization
- Commissioning and support until acceptance

Cover belt conveyor

Clean yet and nevertheless steep material transport, even with sticky materials, is made possible by the VHV belt conveyor technology. This allows for a better use of available space or saves space in new constructions. Scrapers keep the belts clean and prevent material buildup.



Fire damage

On June 14, 2025, a fire broke out at the Avangard Malz AG plant in Bremen, irreparably damaging belt conveyors from an external manufacturer.

Since the transport of green malt to the kiln, where the malt is dried, plays a central role in the malt production process, a rapid replacement solution was required. This was the only way to resume operations promptly after the incident.

Avangard Malz is one of Europe's leading malt producers, supplying numerous breweries with high-quality brewing malt. Accordingly, the requirements for availability, hygiene, and process safety were very high. The Bremen site has an annual production capacity of approximately 105,000 tons. The company operates multiple locations in Germany, including Gelsenkirchen, Koblenz, Lechfeld, and Bremen.

Avangard Malz produces premium brewing malts for national and international breweries, relying on state-of-the-art production technologies, strict quality controls, and sustainable sourcing of raw materials.

Project start: June 2025 – Commissioning: August 2025
Contact person: Kevin Goltz, Plant Manager

The plant manager, Mr. Goltz, praised the commitment of everyone involved in the project and was impressed by the precise fit and immediate full-capacity operation of the machine right from the start of commissioning.

Thanks to the rapid implementation, significant financial losses were avoided, and Avangard Malz's brewery customers were able to receive high-quality brewing malt again after only a short time.

Customer:

Avangard Malz AG
28237 Bremen
Kap-Horn-Straße 12
Germany

