



ZUTHER

bulk material technology

ZUTHER-ONLINE.DE

QUALITY THAT STEMS FROM TRADITION

Your specialist for bulk material technology. For nearly 100 years.

Tradition comes with responsibilities.

Zuther GmbH is today counted among the leading vendors of professional bulk solids handling systems.

Much has changed since it was founded in 1921, already in its third generation: technology, manufacturing methods and much more. However, one thing has remained the same up to the present day. Our day-to-day work is still done in dialogue with our customers, based on principles such as partnership, quality, efficiency, innovation and sustainability, that same that shaped our conduct back then and will continue to do so in the future.

With these principles and technical competence, many projects have been successfully brought to a close in the past nearly 100 years. The expertise of Zuther GmbH ranges from turn-key grain storage systems to bulk solids handling in malting plant construction up to specialists in the area of non-metals quarrying and bulk materials transshipment facilities of all kinds.

In the early years, the company provided machine technology and service to a clientele primarily in the milling industry, but it has grown more and more into a production operation with its own product range. In the 1960s, Zuther was able to expand its sales market through a good product range, technical expertise and reliability, and to make a good name for itself, so that it was able to build an additional production hall in the mid-sixties. In the seventies and eighties, production was modernized by using new machines and expanding the production space, and the product range grew to include special machines and bulk solids handling for other products. Engineering was also further developed to the point that this expertise enabled it to supply turn-key silo and transshipment systems for a variety of bulk materials.

In 1988 the sons of Mr. Horst Zuther, Michael and Andreas Zuther, started working for the company. This ensured the continuation of the family enterprise and production capacity was again expanded by building another production hall with the most modern production technology, and by equipping the administration with electronic data processing, and computer-aided drafting technology, and by using CNC machines. With the new millennium came two additional production halls and, among other things, robot welding and 3-D design were introduced, so that it was possible to further optimize the technical expertise, reliability, quality and price-performance ratio, and continue to enhance competitiveness.

Today, the activities of ZUTHER GmbH are still marked by the pioneering spirit and tradition, in combination with trend-setting technology and perfectly trained staff. We supply turn-key silo and transshipment systems for various kinds of bulk materials.

Zuther engineering proves its worth every day around the world under the most difficult operating conditions.



Andreas Zuther Management

Make use of regional strengths internationally

In an ever more globalized economic environment, being based in Karwitz in the Lüchow-Dannenberg District offers us many advantages.

For one thing, we are situated in the immediate vicinity of the seaports of Hamburg and Bremen, and for another, we enjoy a geographical location in the center of northern Germany within reach of the biggest areas under grain cultivation in Germany. The Lüchow-Dannenberg District, with its high quality of living and labor amidst the natural beauty of northern Germany's largest mixed woodland area and the Elbufer-Drawehn Nature Park, features businesses focusing on the rapidly growing industries of food, metal and plastic processing, renewable raw materials, and clean energy.



Fig.: Aerial photograph of the company grounds in Karwitz



»Working in a motivated team is simply fun. And customers notice this, as well.«

Andrea Grimm, Engineering Administrative

Our employees give the company its look



For our employees, their work is not merely a job to get done. Their career aspirations comprise giving shape to things and getting them moving. For our customers, they do not just want to find any solution, but exactly the right solution. They want to put new ideas into practice. In doing so, they act with pragmatism and knowledge, coming

up with realistic concepts, but also integrating new impulses and constantly developing themselves. And they do this together with the colleagues on their team.

For many decades, we have been training young, up-and-coming talent, also because we see ourselves as being responsible for enabling a large number of young people to start out in their careers. Many of them have now already been with the company for more than forty years.

The core competences of our employees are technical knowledge, reliability, acting judiciously, motivation and individual initiative – all of which are the hallmarks of qualified employees.

We are proud to have employees such as these.





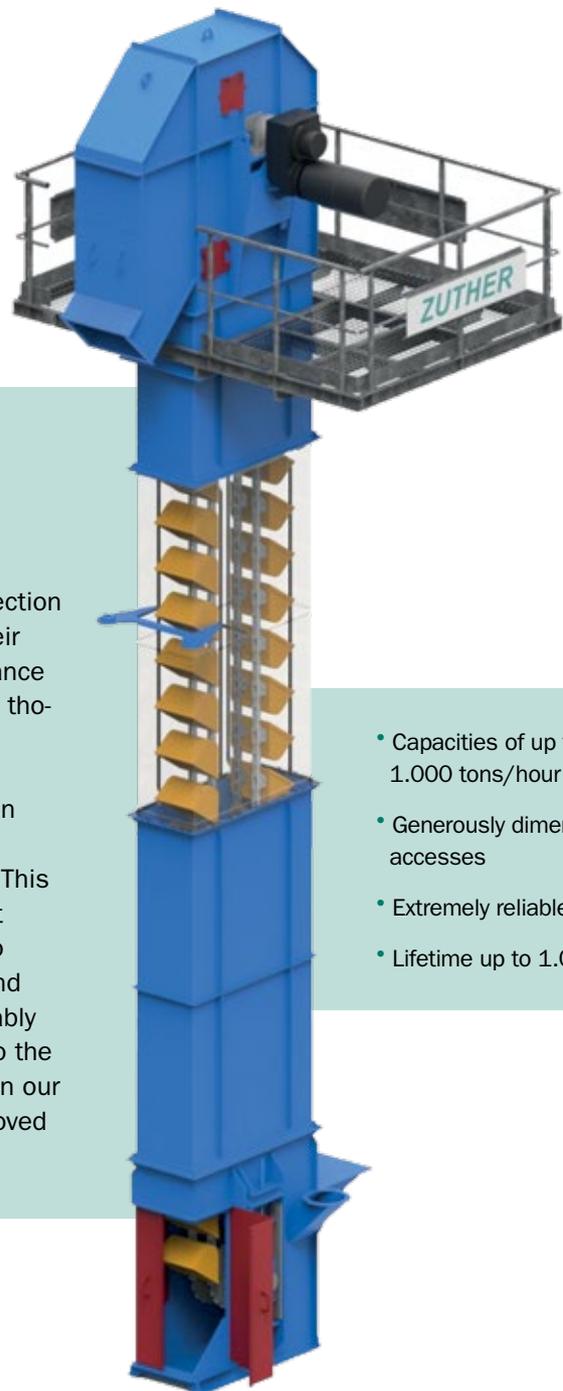
*»You only get the best results when
you combine the latest technologies
and good workmanship«*



Requirements for conveyor technology

Conveyor technology is an elementary part of every plant. Whether used in agriculture, in cement and asphalt plant, in mining or in the chemical industry, nothing works without conveyors that meet the requirements. What is most important here is to conceive conveyors that are maintenance-friendly and suffer the least wear and tear.

As automation increases, conveyors are being equipped with electronic monitoring systems and incorporated directly into the control system. Thanks to warnings in due time, this reduces resp. avoids plant downtimes.



Why conveyor technology from ZUTHER?

Our **elevators** cover a huge performance spectrum. Their ejection heights can be tailored to customers' wishes, as well as their geometry and the positioning of fixing devices and maintenance platforms. There is also a wide choice of materials, such as those which are sure to be suitable for use with food.

At higher temperatures, our **chain bucket elevators** are often used. Temperatures of 400° C and grain sizes of more than 45 mm present no challenge to our chain bucket elevators. This is guaranteed by using individual components of the highest quality. This is the only way to achieve peak outputs of up to 1.000 tons/hour. For conveying hot materials, we recommend our complete insulation for heat/noise, which can considerably enhance the cost effectiveness of a plant. When it comes to the most important component, the chain, customers can rely on our Zuther-Chain based on mechanical principles which have proved their worth over more than 30 years.

- Capacities of up to 1.000 tons/hour
- Generously dimensioned accesses
- Extremely reliable
- Lifetime up to 1.000.000 tons



ZUTHER







»Diligence and precision are our top priorities, because our customers judge us by the quality of our work.«

Planning, production, assembly and maintenance – all from a one-stop shop.

With us, you always have a project manager responsible for you, who will be your personal contact from the planning to the completion of your project.

You get a system that is all of a piece. Our highly qualified employees do the planning on 3-D CAD systems at the most modern CAD workstations. So you can see in detail even before the ground-breaking how your system is going to look. By using 3-D design, we prevent planning errors which cannot be immediately detected in complex 2-D designs.

A modern materials management system ensures that all the parts required for your order go into production with the right properties, in the required quantities and at the right time. The system provides immediate information at any time on the current status of your order.

Even after the assembly of your system, we will still be there for you.

EMERGENCY SERVICE

Even outside our normal business hours, you can always reach a contact person who will help you solve your problem. If it should prove necessary, we can put a customer service technician at your disposal at any time. Thanks to our location in the immediate vicinity of Hamburg Airport, a specialist can soon be on site even abroad.

SPARE PARTS DELIVERY SERVICE

Even the best component has to be replaced sometime. To make sure that the downtimes of your system are as short as possible, we keep a large portion of the required spare and wear parts in stock at our central warehouse. Select logistics partners take over the transport so you get your parts safely and on time, even if it means immediately sending the part by courier.

MODIFYING YOUR SYSTEM AND ENHANCING ITS PERFORMANCE

Even if your company is expanding and the system that was supplied is stretched to its limits, we will be at your service with the expertise we have gained in nearly 100 years, working up solutions to modify or enhance the performance of your system. So you see, we will still be your partner tomorrow.

Maintenance made easy - SFIX®

SFIX digitizes the complete maintenance process of your plant.

Fully comprehensive and manufacturer-independent.

-  Optimize your processes, transparent & organized
-  Reduce staff costs & downtimes
-  Avoid unplanned maintenance
-  Increase the performance of the machines





Reference projects



PROJECT: Holland Malt, Eemshaven

DESCRIPTION: Flat storage warehouse with automatic warehouse distribution system.

- Holding capacity, approx. 60.000 tons
- Cross-section, 136 x 70 m
- Conveyor belt distribution system, conveyor capacity 200 tons/hour of barley
- 4 chain scraper systems, 32 meters in length, conveyor capacity 200 tons/hour of barley



PROJECT: Bröckelmann Ölmühle GmbH & Co. KG, Hamm

DESCRIPTION: Silo hopper with trough chain conveyor, stainless steel.

- Silo feeding
- Loading facility
- Swan neck conveyor stainless steel 60 tons/hour
- Trough chain conveyor 200 tons/hour



PROJECT: Kraiburg Relastec, Salzwedel

DESCRIPTION: Silo plant, capacity 1.300 m³ with discharge screw conveyor floor.

- Holding capacity, approx. 60.000 tons
- 4 discharge screw conveyor floors for rubber granules
- Discharge performance approx. 2,25 tons/h per silo
- Elevator and pit for silo filling approx. 38 tons/h
- Traversable and rain proof electric pit cover

PROJECT: Wilhelm Fromme GmbH & Co. KG, Beddingen

DESCRIPTION: SSilo installation with cylindrical silo cells as storage cells and rectangular cells as work cells, powerhouse.

- Admission capacity 250 tons/hour
- Loading capacity 250 tons/hour
- Drying plant
- Central dust removal system



PROJECT: Ship loading plant Südzucker AG Kitzingen

DESCRIPTION: Ship loader for pellets.

- Loading capacity 250 tons/hour
- Electr. telescoping loading chute with 6 m stroke, 300 tons/hour



PROJECT: Benninghoven house exhibition, Mülheim/Mosel

DESCRIPTION: Chain bucket elevators type 06 and double filler elevator type ELXG048

- Flow rate hot material 160 - 220 tons/hour
- 2 x 30 tons/hour capacity for filler material
- 3 Screw conveyors 15 - 20 tons/hour (filter unit)
- 5 Screw conveyors 30 - 45 tons/hour (filler supply)
- 1 Trough screw conveyors 12 - 17 tons/hour



The right solution for every requirement

INSTALLATION ENGINEERING

- Silo systems
- Flat storage warehouses
- Loading plants
- Biomass plants
- Malting plant technology

MATERIALS HANDLING TECHNOLOGY

- Belt-and-bucket elevators
- Chain bucket elevators
- Trough chain conveyors
- Conveyor belts
- Screw conveyors
- Loading
- Biomass materials handling technology
- Chain scrapers

MEASUREMENT AND CONTROL TECHNOLOGY

- System control
- Level measurement
- Temperature monitoring
- Weighing technology

PIPE SYSTEMS

- Round pipe systems
- Rectangular pipe systems
- Sliders
- Distributors
- Wear-resistant liners

DUST REMOVAL TECHNOLOGY

- Filter systems
- Admission dust removal
- Point filters
- Double door systems

CONTRACT PRODUCTION / SERVICE

- Contract production
- Spare parts service
- Engineering

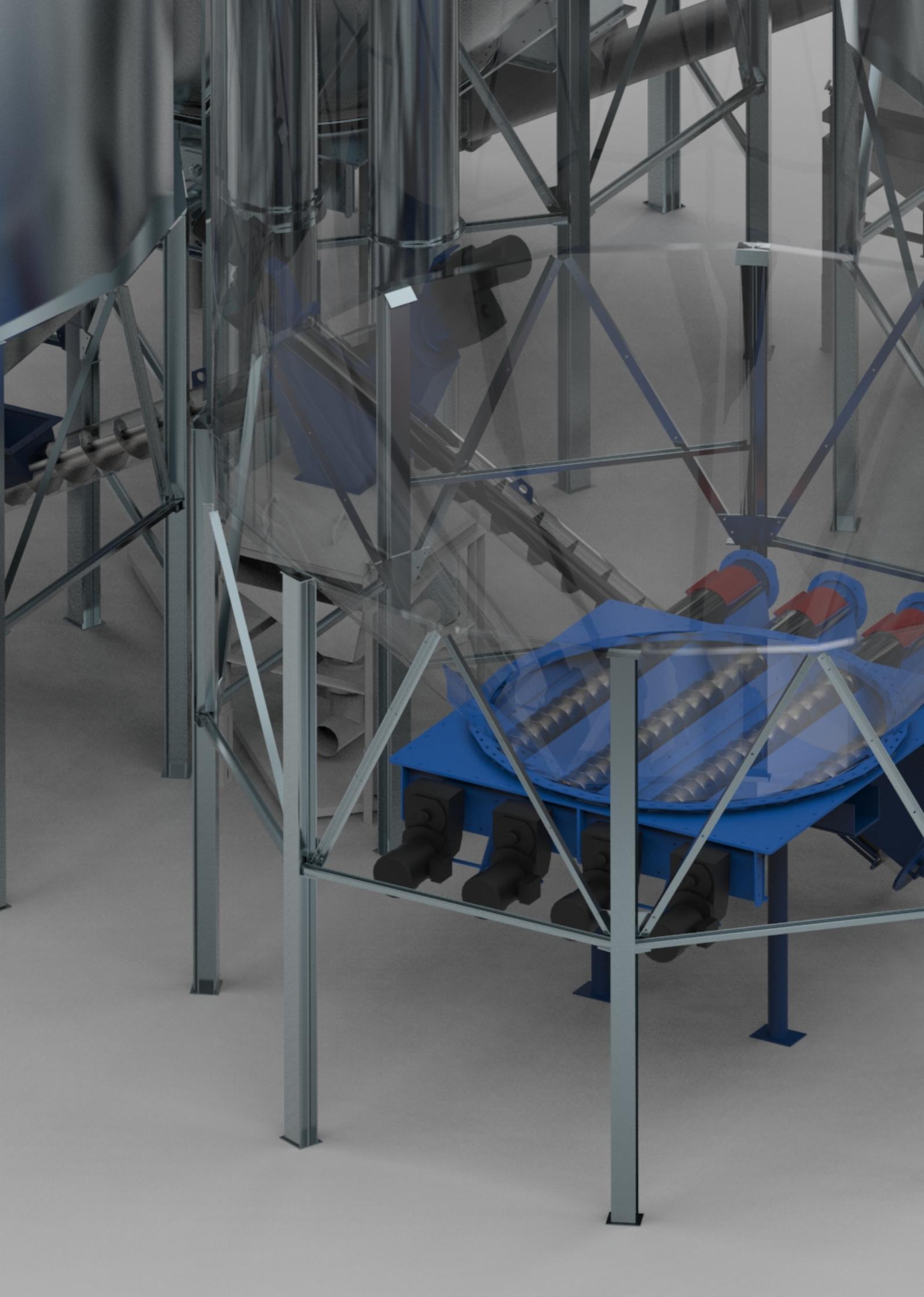
Quality by tradition. Your specialist for plant manufacturing. For nearly 100 years.

As has been shown in the past, enterprises with a long tradition are particularly well suited to meeting challenges like ongoing further development of design, and manufacture. ZUTHER can draw on expertise gained in nearly one hundred years of business.

Joining tradition and forward-looking technology with perfectly trained personnel is a determining factor in the everyday activities of our enterprise. Principles such as partnership, quality, efficiency, innovation, and sustainability were already pronounced back then and will be considered self-evident in the future, as well.

Decades of practical experience combined with close cooperation with our customers have enabled ZUTHER-Fördertechnik to reach a whole new level of performance capability, efficiency, and ease of maintenance.

Since nearly 100 years, well-known leading industrial companies in Germany, Europe and worldwide trust in the experience, technique and know-how of our company.





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