

**BULK MATERIAL TECHNOLOGY  
MADE-TO-MEASURE**



**YOUR  
GOODS ARE  
BETTER  
OFF.**



[ wood pellets, pellets / pellet storage, pellet handling  
wooden materials, biomass / grain, animal feed and foodstuffs  
metal, mineral, building materials / residual materials, ash, sludge ]

[www.knoblinger.com](http://www.knoblinger.com)

# TAILORING THE TECHNOLOGY // ENHANCED SOLUTIONS

## Our experience: over the decades.

The company Albert Knoblinger Gesellschaft m.b.H. & Co. KG, with its headquarters in Ried im Innkreis, in the Upper Austrian Inn region, has been specializing on mechanical bulk material technology for decades. Being an owner-managed family business, Knoblinger stands for traditional quality craftsmanship combined with innovative engineering technology.

With around 90 employees today, Knoblinger is firmly established in the field of bulk material systems, yet small enough to be able to market flexible and tailor-made concepts that range from project planning through to installation.



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<b>Company site:</b>	11,500 m <sup>2</sup> – 6,000 m <sup>2</sup> of which devoted to production
<b>Export share:</b>	80 %
<b>Sectors:</b>	wood pellets, pellets / wooden material, biomass / grain, animal feed and foodstuffs / metal, mineral, building materials / residual materials, residual materials, ash, sludge / job order production
<b>Markets:</b>	Austria, Europe, Asia, North and South America

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# OGY. ONS.



## **Our goal: a satisfied customer.**

Knoblinger's satisfied customers include renowned companies from all over the world. The strength of this generation-spanning company is its ability to provide customized solutions that are tailored precisely to the exact needs of its customers and adapted to the specific characteristics of the bulk materials.

*Our on-going quality assurance system is checked and audited regularly by external experts.*





# PROFOUND EXPERTISE. //BETTER RESULTS.



The image features a man in a blue hard hat and a blue work jacket with a 'KNOBLINGER' logo, holding a large key. To his right is a grid of six colored boxes, each containing a different material and a text label:

- wood pellets / pellets** (yellow box)
- pellet storage / pellet handling** (red box)
- wooden material / biomass** (green box)
- grain / animal feed & foodstuffs** (yellow box)
- metal / mineral / building materials** (blue box)
- residual materials / sludge / ash** (grey box)

**Made-to-measure for each business segment.**

Knoblinger delivers bulk materials technology that is made-to-measure! Our competencies cover 6 segments; so we can offer a solution for each individual application that is tailored to specific customer needs. In addition to a full range of mechanical and pneumatic conveyor components, the product range also includes facilities for storage, preparation, flow control, weighing, mixing, loading and unloading.

# FROM THE COMPONENT TO TURN-KEY. // ENHANCED PRODUCTS.

**// screw conveyors**  
**// chain conveyors**  
**// belt conveyors**  
**// bucket elevators**



**// silo works and  
hoppers**



**// grinding and  
sifting plants**  
**// mixing installations**  
**// preparation installations**  
**// wood pellet plants**



**// loading plants and  
bagging equipment**



## **We focus on high quality.**

Knoblinger has always been relying on highest-quality products and components. Only solid and robust individual components can ensure long-lasting operational integrity, and provide the more economical solution in the long term.



[ competencies by knoblinger. ]

# SAFE PROCESSES. // ENHANCED SERVICE.



// CAD DESIGN



// ENGINEERING



// LASER CUTTING



// WELDING



// ASSEMBLY



// INSTALLATION

## **From the planning stage through to commissioning.**

Knoblinger cooperates with its customers to develop tailor-made, practical and economical solutions. Our development and implementation team utilizes state-of-the-art technical tools (3D CAD software, ERP system, laser-cutting systems, etc.) and therefore ensures that the order is completed on schedule. The production process is characterized by top quality combined with high

# QUALITY CONSCIOUS. //IMPROVED OUTPUT.



// BENDING



// CUSTOMER SERVICE



// SPARE PARTS PROVISION

versatility. Knoblinger offers comprehensive installation, maintenance, training and repair services to ensure that your systems always run reliably and trouble-free. In all its divisions, Knoblinger engages experienced, long-standing employees, who are familiar with the special requirements of each type of bulk material. In our apprentice training program, we train our future experts in-house.





[ wood pellets / pellets. ]

# WOOD PELLETS. //FROM THE PLANNING THROUGH TO SERVICE.



With over 40 installed systems, we can rightly claim to be a European market leader in this field. Our systems are at home in Western, Central and South Eastern Europe, as well as in Russia. With system performance figures from 2 to 40 t/hour, we cover an extremely wide performance range and can also process other biogenic materials besides saw mill residue (like saw dust and wood chips).



More than **40 systems realized**  
**3.5 million t/year** installed  
 production capacity.



*Loading systems up to 120 t/h*



*Complete installations, "turn-key" on demand*



*Raw material pickup with hydraulic  
discharge activator*



*Pelleting systems from 2 to 40 t/h*



In addition to systems for pellet production, we also offer pellet storage and loading technologies. If desired by the customer, we can also install full turn-key systems.



*Wood chip wet cutting*



*Pellet storage and loading silo works with filling  
and loading technology*

[ pellet storage, pellet handling. ]

# PELLET STORAGE. //INDUSTRIAL DESIGN — MAXIMUM OPERATING SAFE-



Professional solution for receipt, storage and transfer as well as filling into 15kg sacks and big bags. The Knoblinger range of service includes the receipt and loading of pellets by train or lorry. Storage is done either in circular silos or warehouses. Knoblinger's great strength is offering tailor-made, fully-automatic and sophisticated complete solutions which range all the way to integration into the customer IT systems.



# Individual pellet storage and handling systems from planning to service.



*Intake pits for lorry and train unloading*



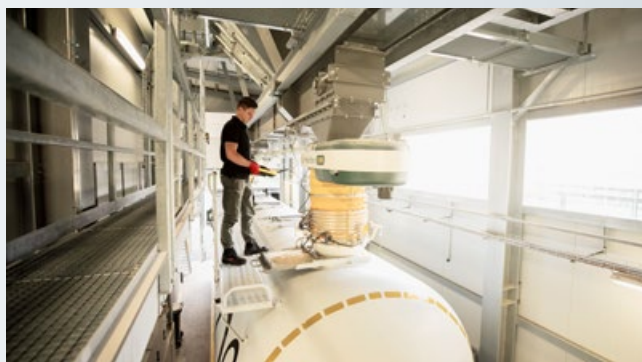
*Low-dust loading of the sifted fine material*



*User terminal with touch operation and strip printer*



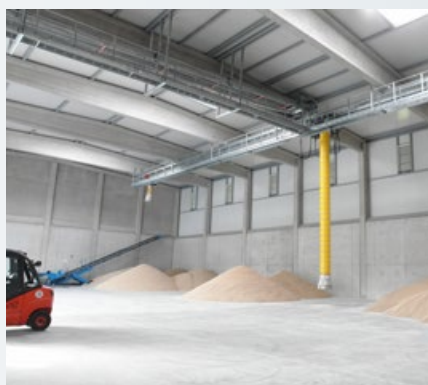
*9000 t pellet storage with one receipt and two loading terminals*



*Safe, convenient and quick filling of tankers*



*Quick and easy lorry unloading*



*Fully-automatic warehouse filling*



*Train and lorry receipt*

[ wooden material / biomass. ]

# BIOMASS HANDLING. //ALL ABOUT WOOD.



*Systems from 15–600 m<sup>3</sup>/h with bucket elevators / chain conveyors / screw conveyors*

Knoblinger can draw on more than 30 years of experience in this segment. This enables us to convey, store and process shredded biomass from numerous different origins in a wide range of grain sizes, textures and moistures. Our company philosophy aims at providing our customers with the optimum tailored solution for their products and applications. Our satisfied, long-term customers include many renowned companies from the wood materials industry and bioenergy sector.



Depending on the requirements, we can deliver **individual components** or even **complete systems**.



*Dryer discharge system*



*Filling and discharge for silo works*



*Dosing hopper with worm flooring*



*Loading plant*



*Sieving and sorting system*



*Coarse material and metal separation*



*Dosing hopper rotary discharge*



*Feed hopper*



*Hydraulic discharge activator (push-floor system)*

[ grain, animal feed and foodstuffs. ]

# SENSITIVE MATERIAL. //SPECIAL TREATMENT.



*Silo bin feeding via chain conveyors and pneumatic gate slides*

Each material, particularly grain and foodstuffs, places special demands on the method of transport. The task is not merely to convey the material but to comply with the standards for hygiene, and at the same time observe the particular properties of the individual materials. No matter whether you are a brewery, warehouse, agricultural trader, food producer, compound feed factory or mill: we will take best care of your material.



# Conveying and storage

require high standards  
of **hygiene.**



*Loading silo works at a port on the Danube*



*Silo plant for grain*



*Product distributor comprising belt bucket elevator, chain conveyor and revolving tube distributor*



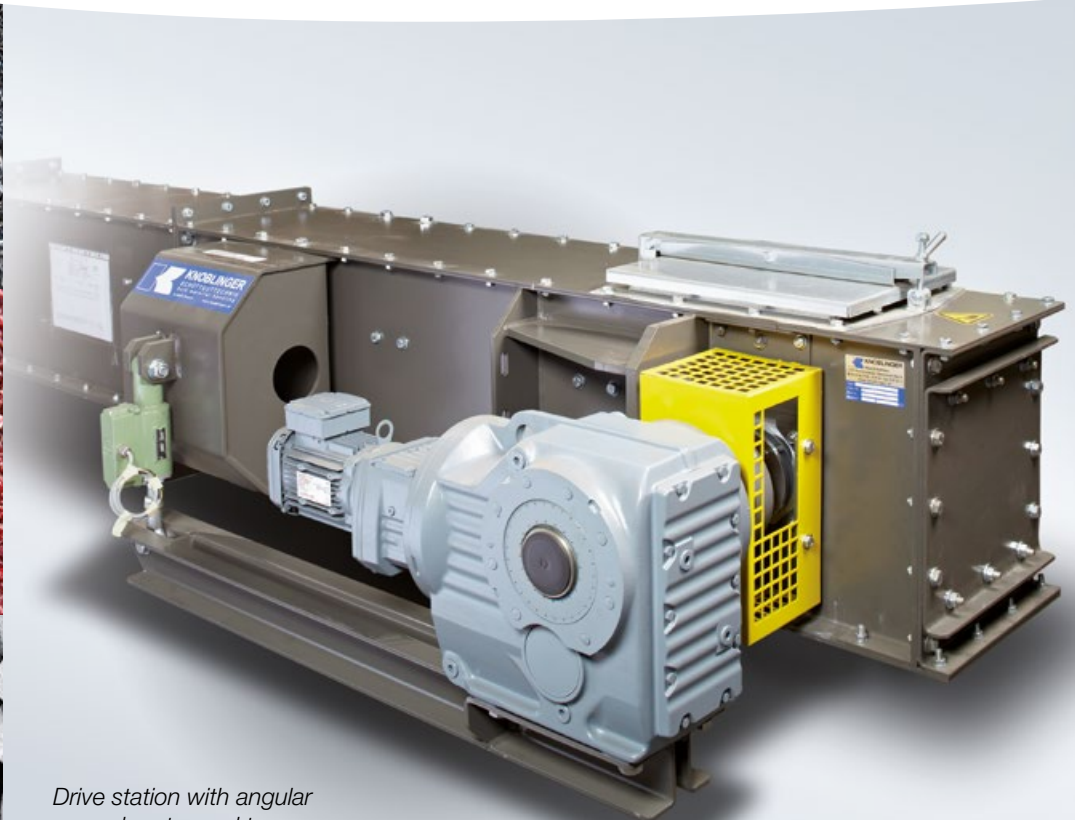
*Loading silo works*



*Drive station of a chain conveyor*

[ metal / mineral / building materials. ]

# ROBUST CONSTRUCTION. //LONG SERVICE LIFE.



*Drive station with angular geared motor and torque support of a chain conveyor for a filtration system*

Knoblinger focuses on long-life, robust concepts in the metal / mineral / building materials segments. We supply customers in steel, construction, cement and fibre industry, as well as filtration units, salt and mineral producers. Our solutions encompass chain conveyors, belt and chain bucket elevators, belt conveyors, through screw and tubular screws combined with dosing hoppers, loading equipment and silo discharge systems. Each system is designed specifically to match customer requirements.



## Long-life system concepts

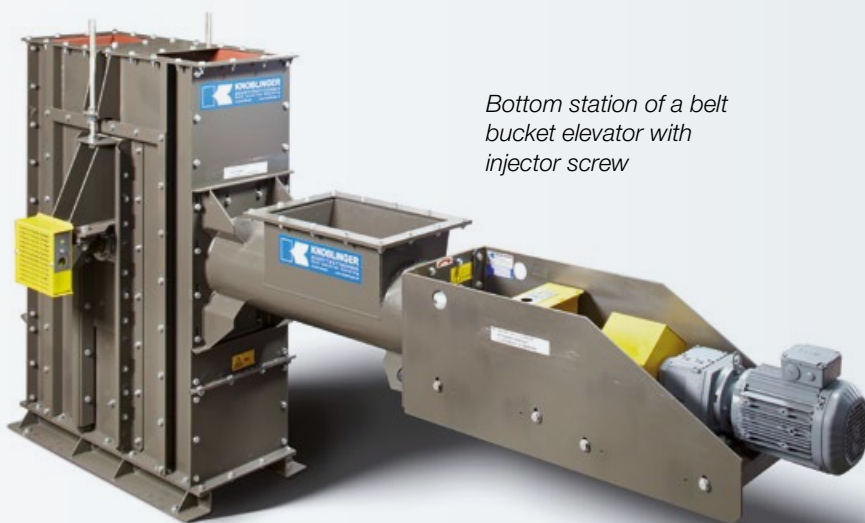
for segments with high loads  
and stringent demands.



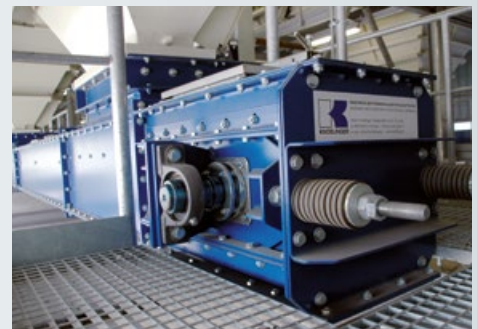
*Silo discharge with gate slides  
and rotary valve*



*Installation of a chain conveyor in a filtration system*



*Bottom station of a belt  
bucket elevator with  
injector screw*



*Tensioning station of a chain conveyor  
for filtration system*



*Drive system of a chain conveyor  
with drop-forged link chain*

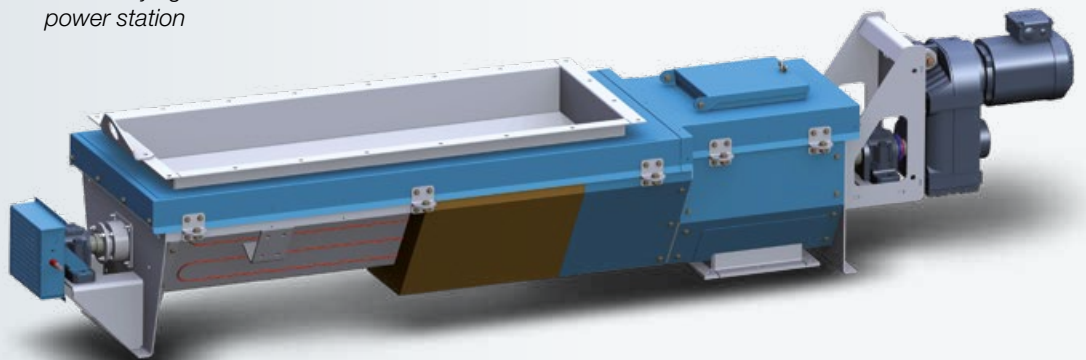
[ residual materials / ash / sludge. ]

# EXTREME CONDITIONS. //TROUBLE-FREE OPERATIONS.



*Loading station for sewage sludge with articulated chain conveyor in a sewage plant*

*Through screw with heat tracing  
for conveying ash from a thermal  
power station*





## From the residual material to hazardous materials: highest reliability is our commitment.

*Bottom station of a chain bucket elevator with weight clamping unit*



Knoblinger produces systems for sewage plants, power plant operators, thermal power stations and waste incineration according to highly specialized requirements. Whether you are looking for screw conveyors with heat tracing to convey ash or articulated chain conveyors for sewage plants – Knoblinger cooperates with its customers to develop the optimal system concept for any material.



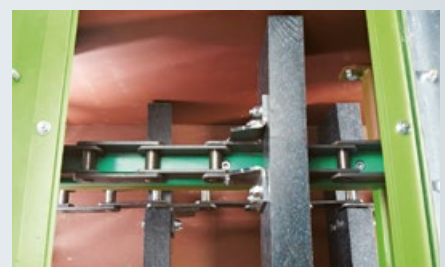
*Loading facilities with chain conveyor and loading bellows*



*Chain conveyor for extraction system in a sewage plant*

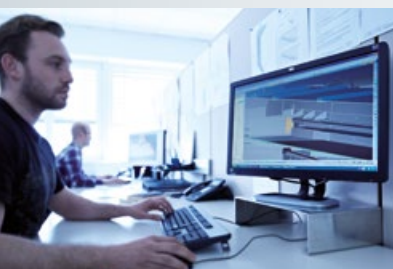
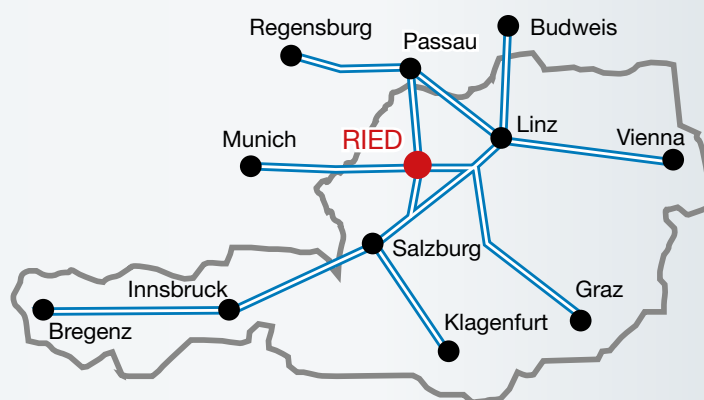


*Drop-forged link chain for chain conveyor*



*Bushing conveyor chain with screwed plastic tracks*

**Successful companies rely  
on KNOBLINGER.**



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