

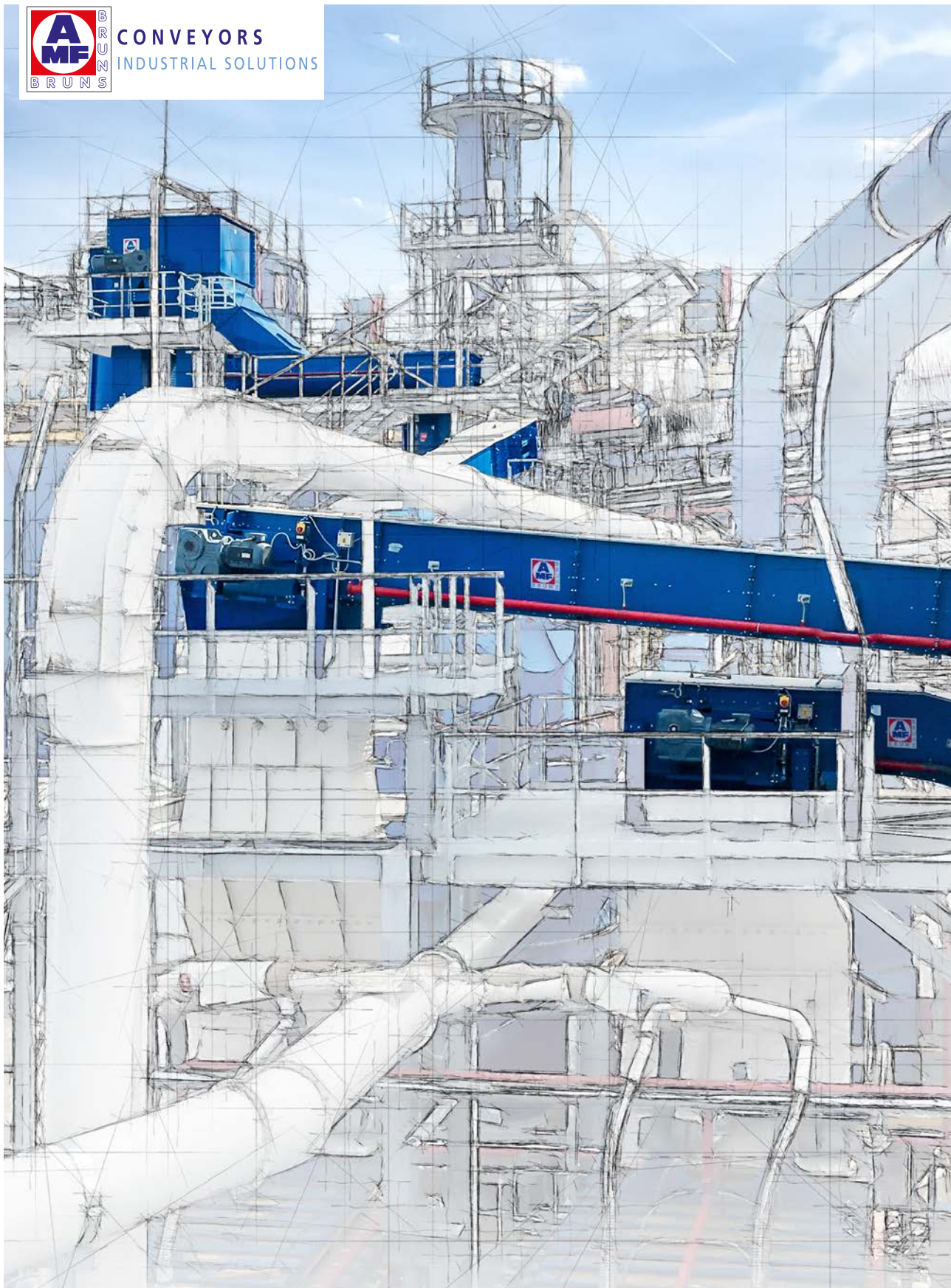
Customised conveyor systems for the sugar industry

'Made in Germany'



CONVEYORS
INDUSTRIAL SOLUTIONS

www.amf-bruns.com



Dear Business Partner,

Many thanks for your interest in the products and services from AMF-Bruns!

For over 60 years we have been developing and producing reliable and high-performance conveyor and bulk material systems of the highest quality, which are tailored for the specific tasks of our customers. One of our core competencies lies in providing conveyor systems for the sugar industry.

Our customers all over the world know that they can rely on our many years of expertise in the planning, construction and manufacture of complex systems. Many customer references throughout the world are testimony to this.

In recent years, we have made specific investments in the optimisation processes to ensure that we can meet our customers' needs even more precisely and effectively. This has resulted in systems that offer you a high degree of quality, availability and process security.

We also offer comprehensive and competent service for the systems that we provide.

See our range of expertise for yourself. The following pages will give you an overview of the systems we offer.

If you have questions or would like more information, we would be happy to help you.

Jürgen Bruns
Managing Director

Jan Woltermann
Managing Director

Company: Facts & Figures

- Owner-operated family company
- Founded in 1958
- Sectors: conveyor systems and accessibility equipment
- 330 employees
- Production area of over 20,000 m²
- Over 25,000 systems already sold
- Quality management certification DIN EN ISO 9001
- 'Green company' certification
- Creditreform certification: CrefoCert
- Certificate: Career & family



Our profile in the conveyor technology sector

AMF-Bruns is a renowned specialist in the planning, design, assembly, construction, maintenance and repair of conveyor and bulk material systems.



Locations:

- Company headquarters in Apen, Germany
- Sales branches in Eastern Europe (Poland)
- North Africa (Tunisia and Algeria)
- South Africa
- Mexico

Products:

- Screw conveyors
- Belt conveyors
- Chain conveyors
- Bucket elevators
- Dosing and shut-off devices
- Chain bunkers
- Push and pull floors
- Silo systems
- Discharge screw conveyors with bunker outlet
- Special systems

Key markets:

- Germany
- Western and Eastern Europe
- North Africa
- Middle East
- USA

Our customers' industries:

- Wood-processing industry
- Food industry (e.g. sugar, oil seeds, plant and animal products)
- Construction material industry
- Waste management
- Chemical and paper industry
- Power stations and ports

Figures

- (entirety of AMF-Bruns, 2021):
- Turnover of EUR 80 million
 - 330 employees

The AMF-Bruns product range for the sugar industry



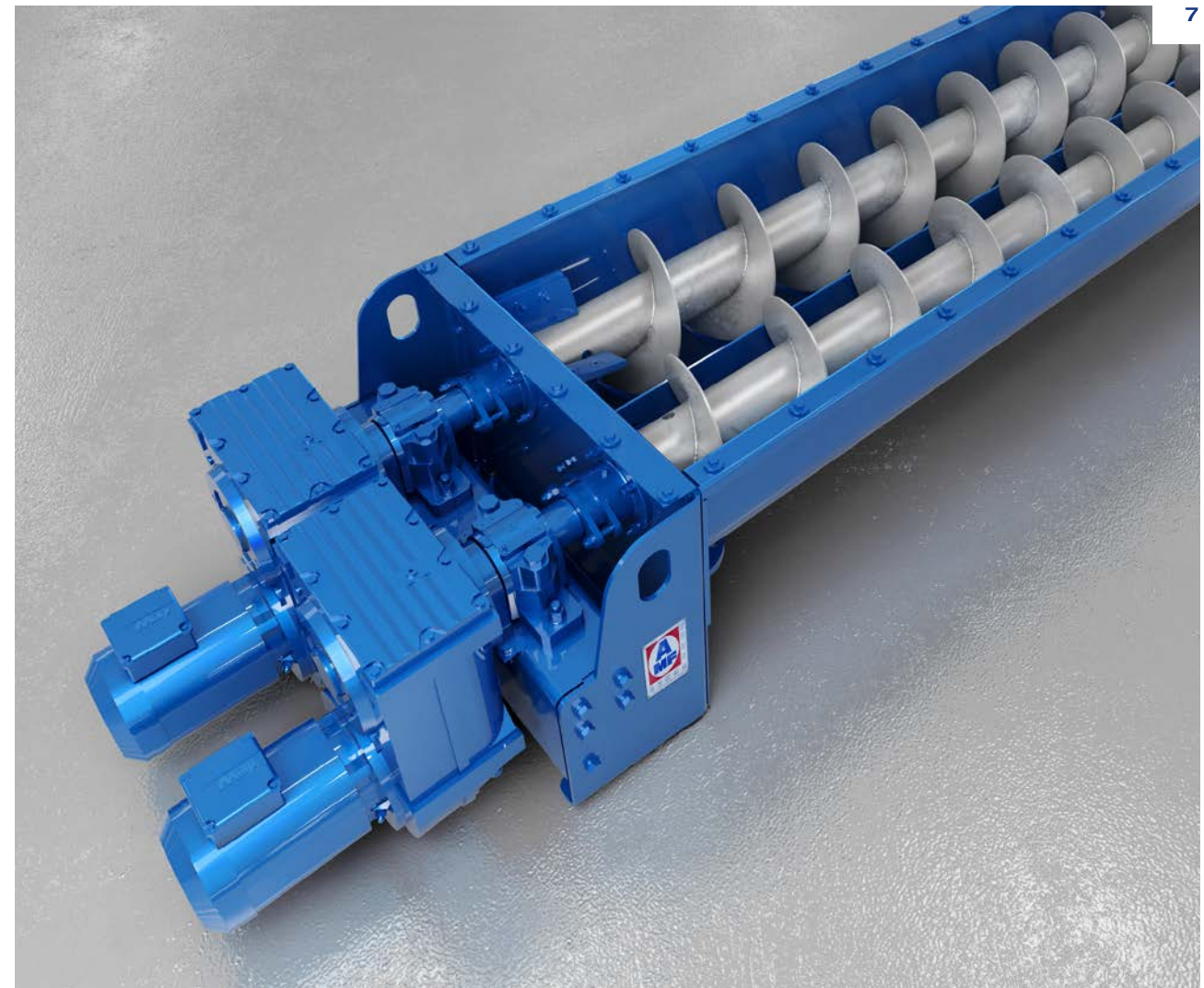
From the design to the replacement parts service:
AMF-Bruns is the partner you can rely on

Tailored service

- CAD system planning
- Cutting-edge manufacturing technology
- Technicians available worldwide
- Express replacement parts delivery
- Assembly, commissioning, maintenance, repair and the procurement of replacement parts
- After-sales service
- Comprehensive quality management

Screw conveyors

Robust all-rounders for many areas of application



AMF-Bruns screw conveyors

are used in a wide range of operations for transporting washed whole sugar beet and pieces of beet, beet syrup, wet pulp, pressed pulp, dry pulp, pellets, filter cake, raw sugar, wet sugar and granulated sugar.

Benefits

- Volume flows of up to 2,900 m³/h
- Horizontal, inclined or vertical operation
- Dust-proof
- Very flexible application
- Suitable for reverse operation
- Optional ATEX designs

The range of products for screw conveyors comprises:

- Trough screw conveyors
- Tubular screw conveyors
- Double screw conveyors
- Vertical screw conveyors
- Dosing screw conveyors
- Weighing screw conveyors
- Dehydrating screw conveyors
- Heating and cooling screw conveyors
- Staging screw conveyors

Bucket elevators

Cost-effective vertical conveying with maximum reliability



AMF-Bruns bucket elevators

are used for wet pulp, pressed pulp, dry pulp, pellets, raw sugar, wet sugar and granulated sugar.

Benefits

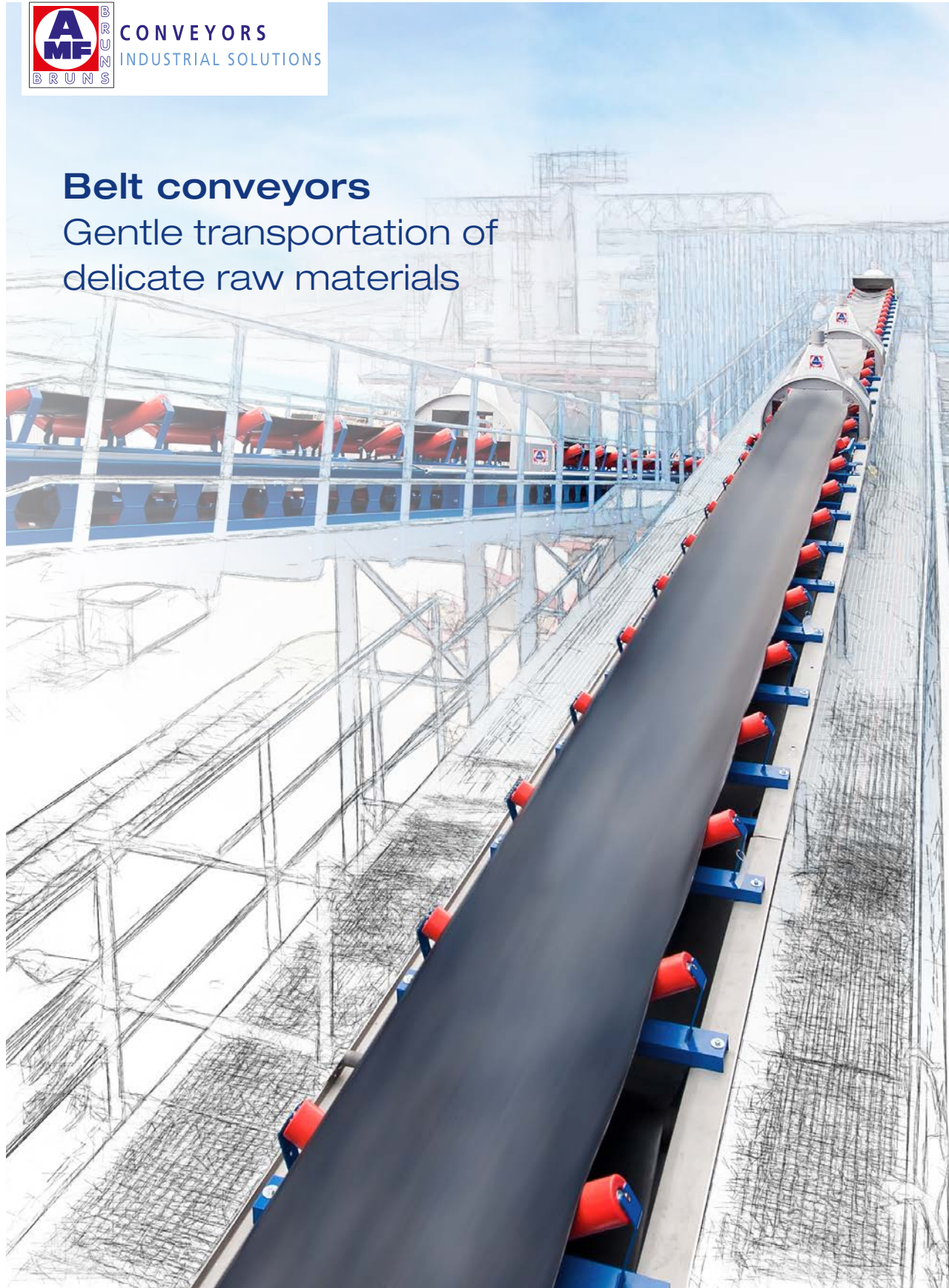
- Vertical conveyors of over 60 m can be used, transport of hot goods up to 400°C with chain bucket elevators
- Low space requirement
- Dust-proof
- Suitable for heavy and abrasive conveyed goods
- Low maintenance costs
- Noise-free transport that is gentle on the product
- Optional ATEX designs
- High energy efficiency

The range of products for bucket elevators comprises:

- Bucket belt elevators
- Bucket chain elevators
- Central Bucket chain elevators
- Moving troughs for reducing build-up of material

Belt conveyors

Gentle transportation of delicate raw materials



AMF-Bruns belt conveyors

are used in all operations within the sugar industry, including the transport of washed whole sugar beet and pieces of beet, beet syrup, wet pulp, pressed pulp, dry pulp, pellets, filter cake, raw sugar, wet sugar and granulated sugar. AMF-Bruns belt conveyors offer an outstandingly stable design and extraordinarily detailed solutions.

Benefits

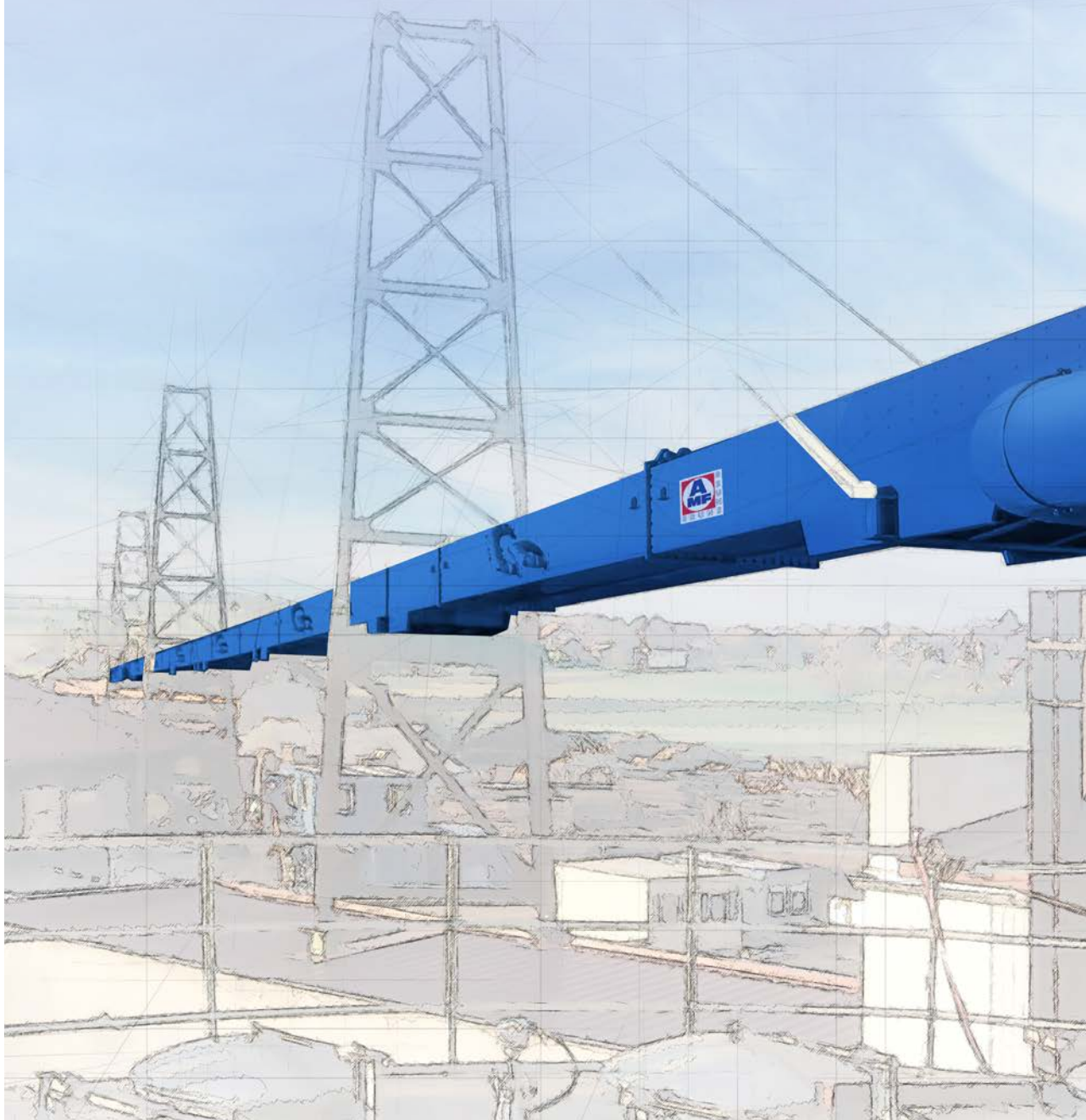
- High conveying power of over 2,200 m³/h
- For extremely long conveying distances
- Low energy and space requirements
- Low maintenance costs
- Transport that is gentle on the product
- Optional ATEX design
- Optional reversible design
- Concave and convex lines possible

The range of products for belt conveyors comprises:

- Troughed belt conveyors
- Flat belt conveyors
- Discharge conveyors
- Dosing conveyors
- Tripper carriages
- Intermediate exfiltration

Airglide conveyors

Gentle and dust-free transport over long conveying distances



AMF-Bruns Airglide conveyors

are used for gentle and dust-free transport over long distances. Typical products conveyed include sugar beet syrup and pieces of beet, pellets, filter cake, raw sugar, wet sugar and granulated sugar.

Benefits

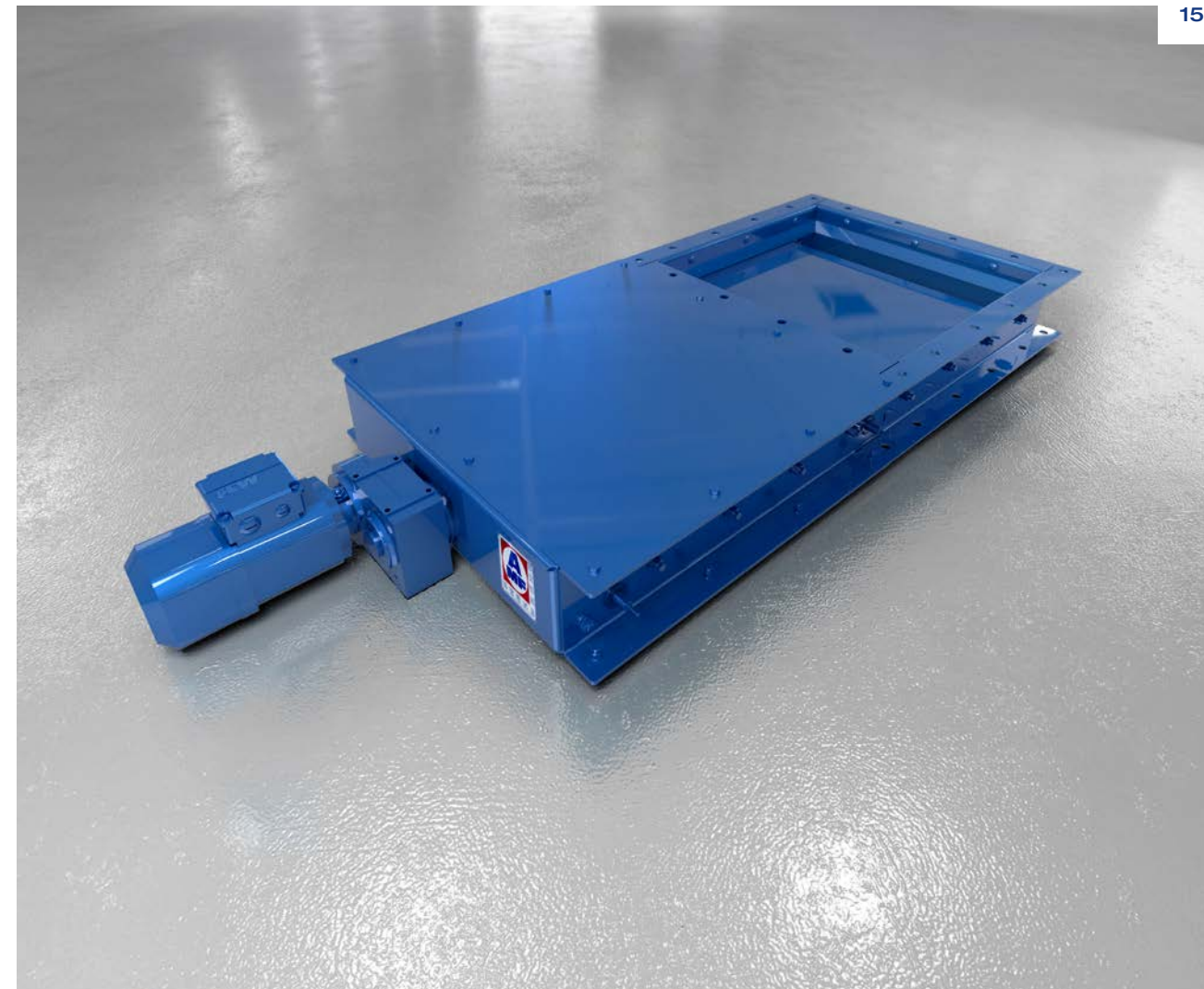
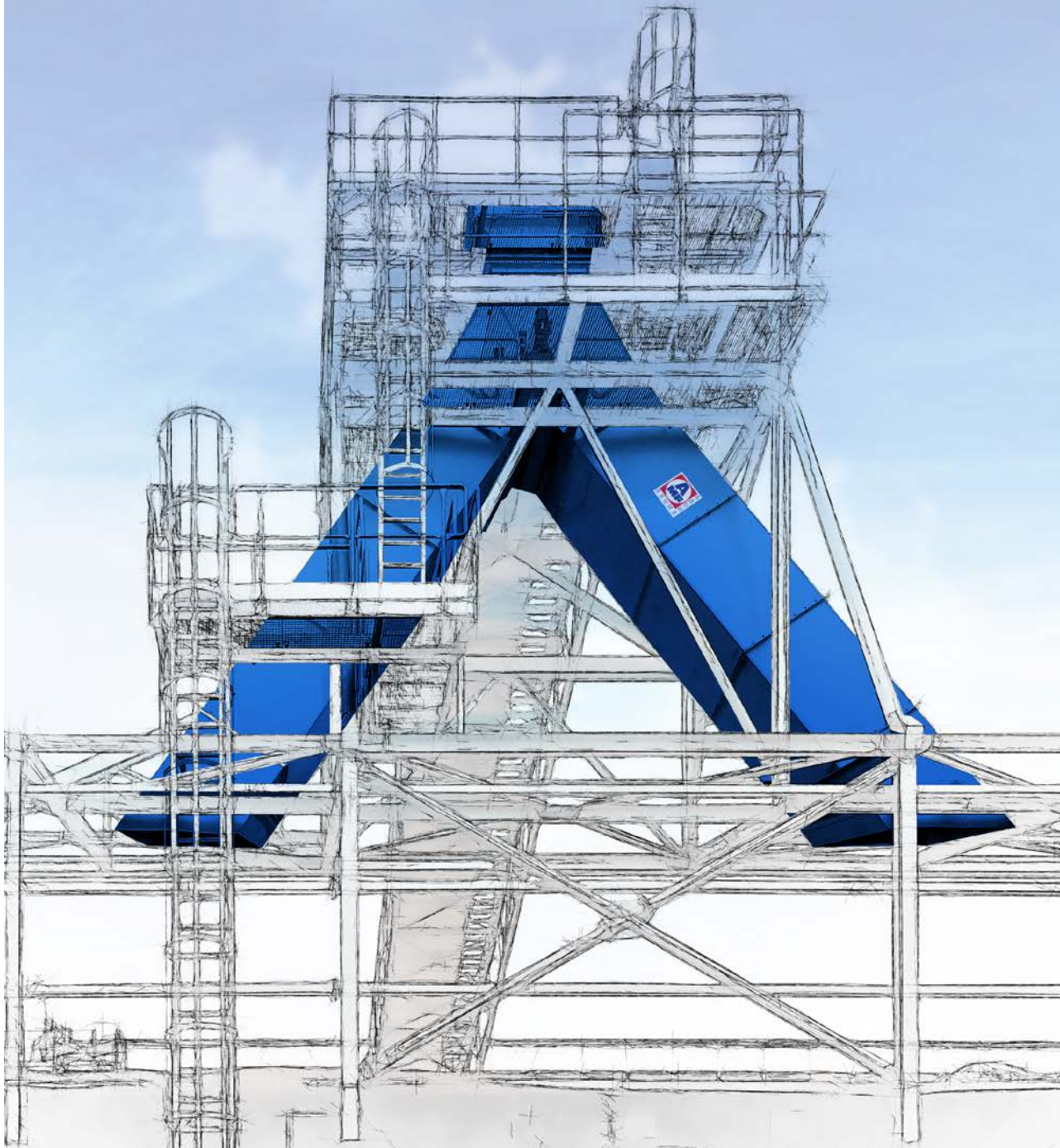
- Dust-free and low-noise operation
- Low maintenance costs
- Large distances between supports can be implemented
- Belt protection thanks to optimized troughing
- Optional ATEX design
- No platforms necessary
- Optional reversible design

The range of products for Airglide conveyors comprises:

- Airglide conveyors for transport over long distances
- Conveying and return tower can be pneumatically supported
- Dual shaft designs for the parallel transport of different goods and quantities, or transport in different directions
- Belt changes possible

Dosing and shut-off devices

An extra dose of innovation



AMF-Bruns dosing and shut-off devices

enable the transported goods to be supplied in the desired quantity and at the right time during various process steps, or conveyance paths to be reliably blocked.

Our dosing and shut-off devices are adapted to the conveying system with millimetre precision and according to our customers' exact requirements, thus guaranteeing maximum process reliability. We use standard steel, stainless steel, heat-resistant steel or wear-resistant steel as standard materials depending on the requirements.

Benefits

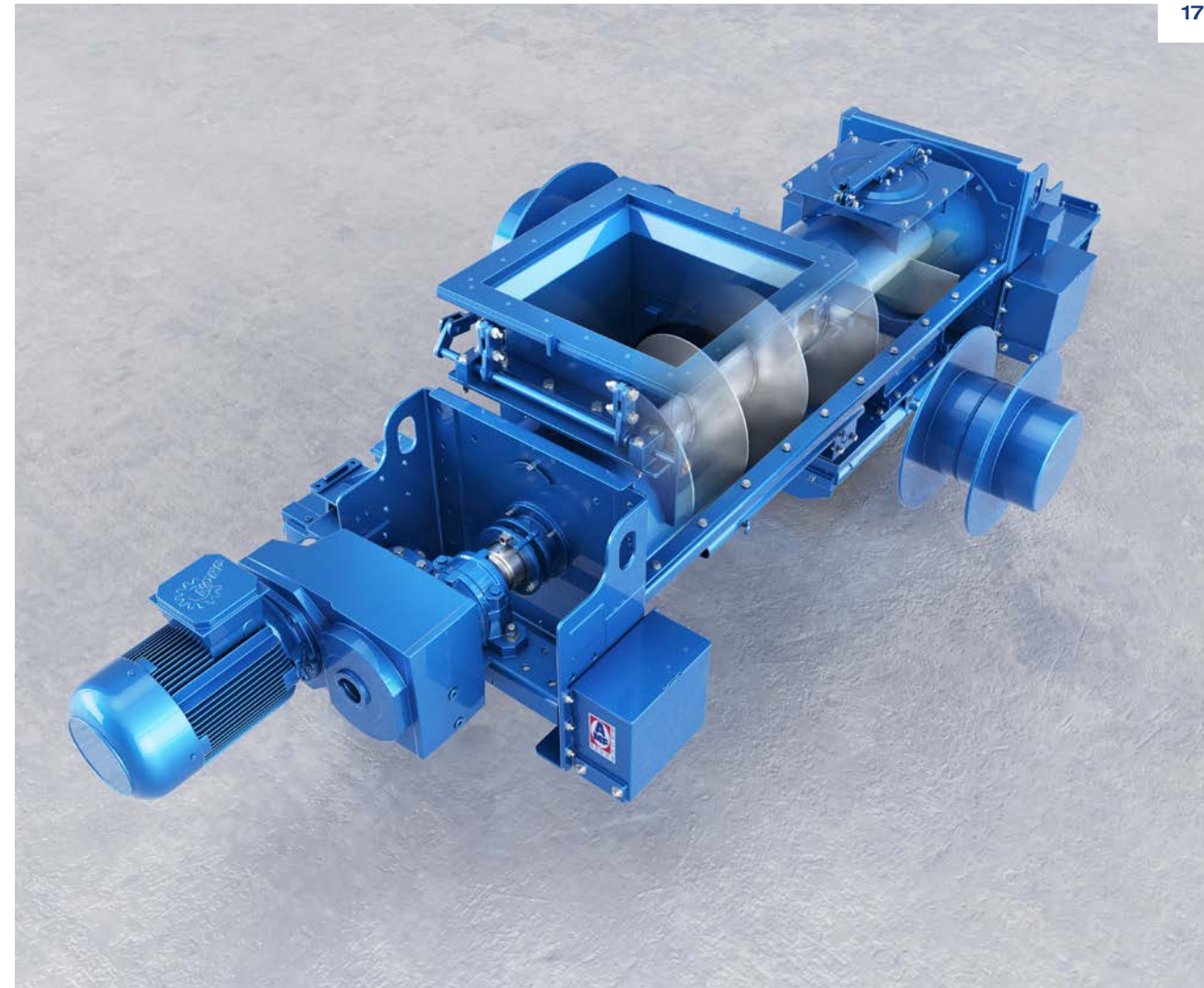
- For the dosing, shut-off and distribution of product flows
- Maximum process safety

The range of products for dosing and shut-off devices comprises:

- Electrical flat sliders
- Pneumatic flat sliders
- Manual flat sliders
- Flat and round sliders
- Exchange valves
- Rotary valves
- Double dump valves

Silo systems

Constant, uniform material flow



AMF-Brunns silo systems

discharge the residual quantities following the gravimetric emptying of a cylinder or dome silo, such as sugar or grain. Depending on the silo size, the residual quantities can reach up to 15,000 tonnes. Our silo system thus guarantees constant, uniform material flow. AMF-Brunns offers silo systems for silo diameters of up to 60 metres.

Benefits

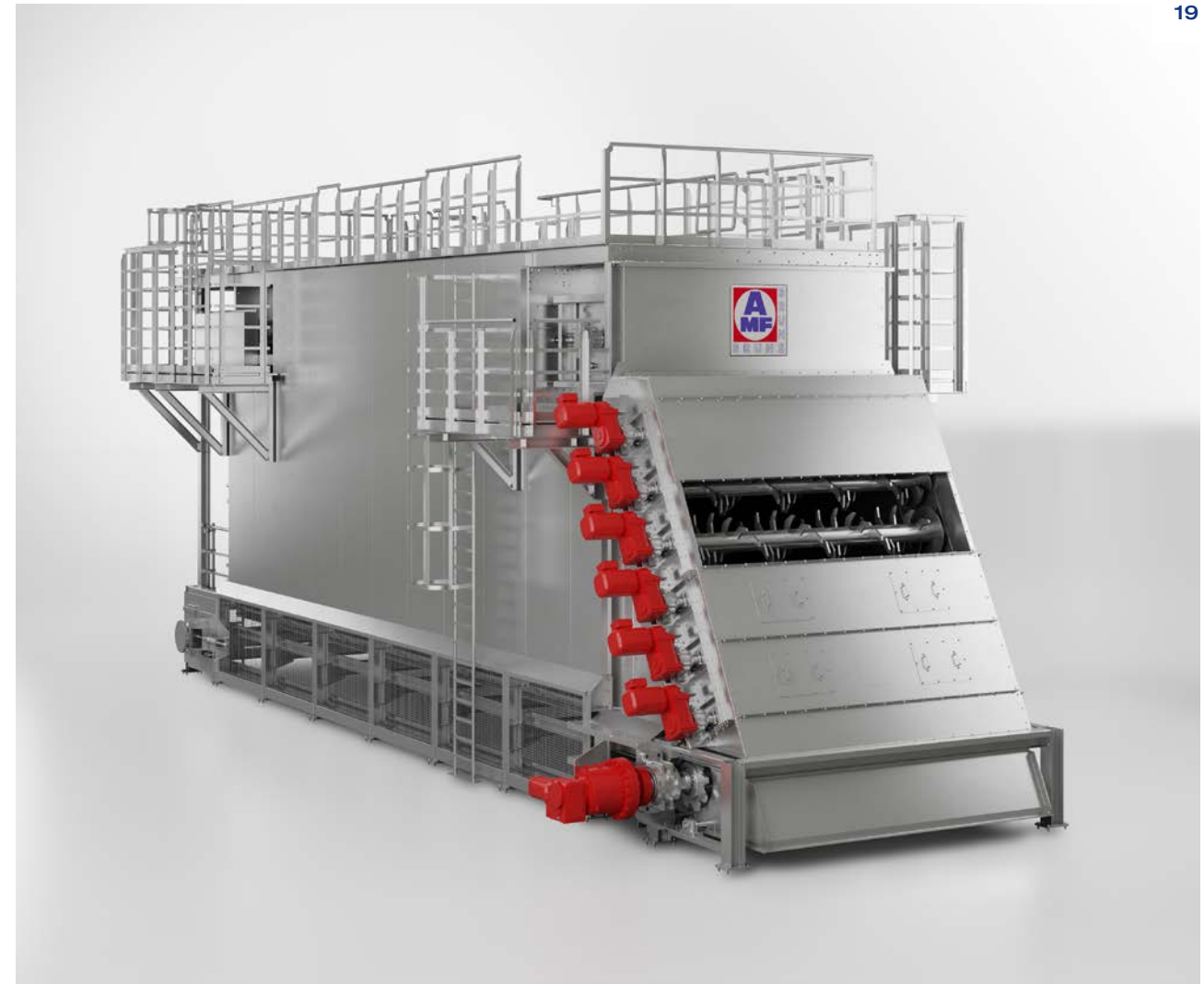
- Uniform particle size distribution of the goods
- Discharge capacity can be adapted precisely
- The silo emptying process occurs in a gravimetric manner, so no mechanical components need to be operated within the silo during this time

The range of products for residual emptying systems comprises:

- Silo supply system for uniform filling of the silo and uniform particle size distribution
- Automatic operation of residual emptying augers
- The dosing unit in the silo base ensures continual, defined material flow

Special systems

Customised solutions for your production processes



AMF-Bruns special systems

are adapted precisely to our customers' specific requirements. One example would be the AMF-Bruns screw discharge floors or chain bunkers with reverse combing systems

And in case you can't find the exact technology in our product range that you need for your processes, simply get in touch with us. We would be happy to develop an individual solution for you that meets your needs in every aspect.

Benefits

- A customised design that meets your exact requirements

The range of special solutions comprises:

- Bunkers and silos
- Special types such as pre-mash or masseците
- Chain bunkers
- Screw discharge floors
- Large piece fragmenters



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