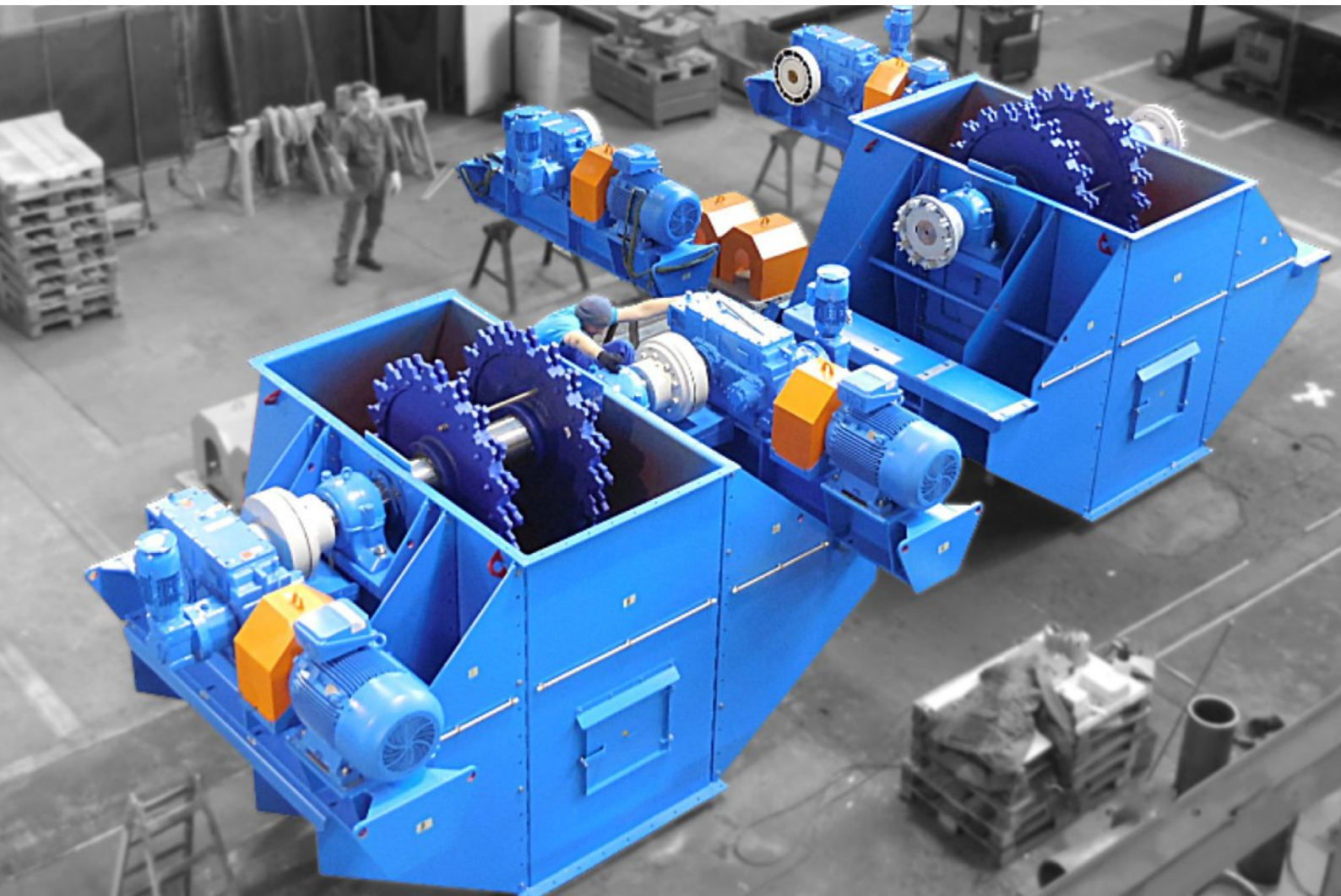


BUCKET ELEVATORS





Grain bucket elevators in the steel-construction tower

BUCKET ELEVATORS

are the classic conveying systems for high-performance vertical transport of mass bulk goods. Conveying heights of up to 80 m and max. conveying performances of 800 m³/h can be achieved with them.

Belts or chains are used as pulling media depending on the graininess and temperature of the product being conveyed. The conveyor bucket is individually adjusted to the material's consistency. Both the bucket's geometry and material, as well as the conveying speed guarantee optimal filling and emptying. Even sticky and moist products can be safely conveyed with this system taking corresponding modifications of the conveyor rope into consideration.

- ▲ Chain bucket elevators with round-steel or plate-link chain
- ▲ Belt bucket elevators with steel or fibre-reinforced belts
- ▲ Versatile bucket variations for the most difficult bulk materials as well



Bucket elevator head for dewatering



Factory-installed bucket elevator



Saline plant in Switzerland



Bucket elevator for slate powder in Russia

VERTICAL TRANSPORT OF BULK GOODS

Industries in which powdered to coarse-grained bulk materials are handled in large quantities are quite fond of this robust, low-maintenance transport system.

- ▲ Cement and building materials industry
- ▲ Soda, potash and fertilizer industries
- ▲ Waste treatment and recycling plants
- ▲ Chemical industry
- ▲ Glass and ceramics industry
- ▲ Seed and feedstuffs industry



Bucket elevator boots in different sizes



Bucket elevators in the potash industry



Transport of hot sand

SAFE LAYOUT - HIGHEST QUALITY

The entire bucket elevator construction is self-supporting. Attachments such as maintenance platforms, encircling staircases and mounting bracket facilitate servicing. Reliable monitoring systems such as belt tracking indicators and filling level indicators ensure continuous operation. A separate layout program ensures the safe layout of any project.

Our experienced assembly team assembles and starts up systems worldwide.

- ▲ Low-maintenance continuous operation
- ▲ Greatest conveyor performances up to 800 m³/h
- ▲ Centre distances up to 80 m
- ▲ 125 mm to 1.250 mm bucket width



Bucket elevator head with maintenance stage



Field assembly



Final assembly of bucket elevator feet and heads



WUTRA - cast polyamide bucket, capacity 65 l

SPECIAL BUCKETS FROM CAST POLYAMIDE

used for sticky, adhesive, wet and even abrasive materials.

- ▲ For abrasive, adhesive and sticky products, resistant against chemicals
- ▲ For heavy duty use, highy wear and impact resistand
- ▲ Plain walls, big corner radius for effective emptying
- ▲ Extremely wear resistant by three-sided wear lips
- ▲ Lower weight - up to 60 % compared with steel buckets
- ▲ Less strain to the conveying strand
- ▲ Suitable for chain- and belt bucket elevators
- ▲ Easy stacking design
- ▲ Long term heat resistant from -50° C up to 100° C



Cast polyamide buckets in the potash industry




Cast polyamide buckets after a long term use for grit conveying



Design:

All components of the **WUTRA** delivery range were calculated and modified by our by out experienced staff. Using special design tools, developed in-house, assures a safe and proper operation for each single **WUTRA** unit.

Certifications:

- ▲ Quality management system ISO 9001:2015
- ▲ Certification according Atex - Directive 2014/34/EU 
- ▲ EAC certificate for customs union
- ▲ Welding certificate EN 1090
- ▲ Pressure equipment directive 2014/68/EU

Service:

WUTRA components can be installed and putted into operation worldwide. Please call our experienced technicians for regular inspections and service.

Research and development:

A permanent development guarantees always a high state of the art level of **WUTRA** products.

The latest scientific knowledge, based on a close cooperation with approved research institutes, will be integrated in engineering and design of our conveying equipment.

WUTRA components:

Screw conveyors
Process screws
Mixer
Bucket elevators
Trough chain conveyors
Slide valves
Way distributors
Rotary valves
Contract manufacturing
Assembly/ Service

Plant construction for:

Soda, Potash industries
Building materials
Raw materials/ Minerals
Chemistry
Recycling
Food
Synthetics
Sugar industry
Power industry



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