

OBJECTIVES | SERVICES | SOLUTIONS
INNOVATION IN SEPARATION.



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COMPANY FOUNDATION IN BAVARIA / GERMANY IN 1988



References:

- Australia
- Austria
- Belgium
- Bulgaria
- China
- Czech Republic
- Denmark
- Germany
- France
- Great Britain
- India
- Italy
- Japan
- Croatia
- Luxembourg
- Morocco
- Netherlands
- Poland
- Russia
- Switzerland
- Slovakia
- Spain
- South Korea
- Tunisia
- USA
- ...

30
YEARS
1988 - 2018

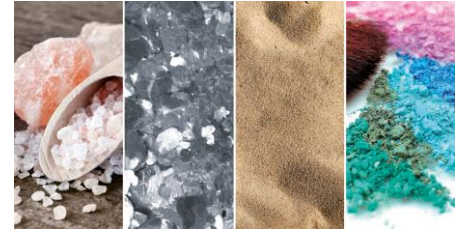
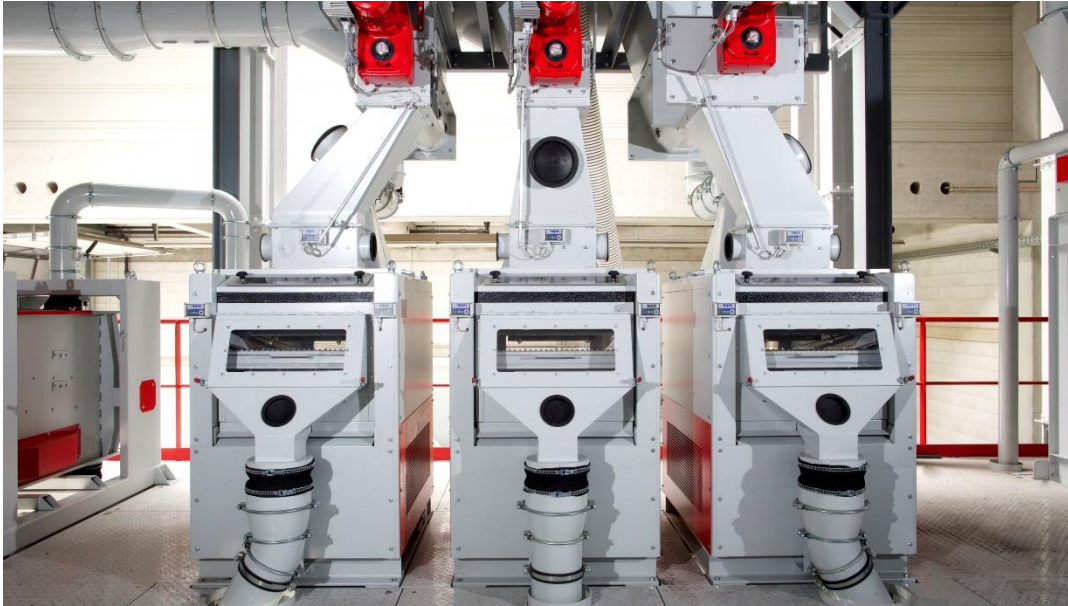


TST
TRENNSO TECHNIK

INNOVATION IN SEPARATION

on the road to success

INNOVATIVE DRY SEPARATION TECHNOLOGY.



INNOVATION IN SEPARATION

for maximum process safety

STATE-OF-THE-ART TECHNOLOGY CENTRE.



your partner for more efficiency.
ECO-CYCLE SOLUTIONS.

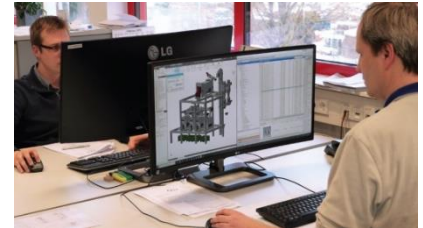


efficient and professional **ENGINEERING**



From individual components to turnkey preparation and recycling systems, we design and plan the perfect system configuration

- Use of 3D-CAD software Autodesk®Inventor®
- Use of Autodesk® Navisworks®
- Re-design of turnkey systems and modules
- 3D scan of existing systems, transfer of the scan point cloud to a ReCAP format as the basis for use in CAD
- Expansion/extension of existing systems with TRENNSO-TECHNIK technology
- Design of steel platforms and support structures in accordance with national standards
- Preparation of all necessary documents and drawings

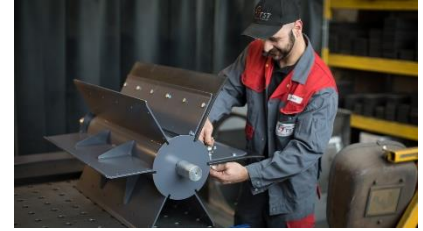


individual and flexible **PRODUCTION**



Our production processes comprise:

- Drilling
- Turning
- Milling
- Sawing
- Punching
- Welding
- Metalworking
- Pickling
- Surface blasting
- Electropolishing
- Painting
- Powder coating
- Laser cutting
- Water jet cutting
- Assembly



Available for you worldwide
SERVICE



Overview of our services:

- Assembly
- Electrical installation, Wiring
- Commissioning
- Training support
- Training courses
- Supply of replacement parts
- Worldwide logistics



FIELD OF APPLICATION

SOLUTIONS FOR RECYCLING.

- Electrical and electronic cables
- Electrical and electronic waste
- Shredder light fraction and shredder heavy fraction
- Non-ferrous metals
- Ferrous metals
- Municipal and industrial waste, compost

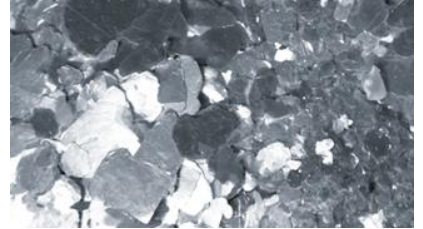
- Waste glass
- Tyre recycling
- Artificial turf
- Waste wood
- Gypsum
- Plastic recycling



SOLUTIONS FOR BULK MATERIAL.

- Mica
- Crushed stone chippings
- Bath salt
- Sand
- Gypsum

- Talcum
- Pumice
- Compost
- Cole, charcoal



SOLUTIONS FOR FOOD INDUSTRY.

- Dried fruit and dried vegetables
- Coffee and cocoa
- Tea, herbs and spices
- Grains and nuts

- Hops
- Raps
- Rice



DENSITY SORTING TECHNOLOGY

- Separating table TTS
- Longitudinal vibration table VLT



WIND SIFTER TECHNOLOGY

- Wind sifter ZZS
- Wind sifter QSS



SCREENING TECHNOLOGY

- Screening machine SIK
- Screening machine TSM
- Roller disc star screening machine RSS
- Screening machine SIS



CONVEYING AND DOSING TECHNOLOGY

- Elevators
- Screw conveyors
- Trough chain conveyors
- Conveyor belts
- Cyclones
- Rotary Valves



ELECTRICAL AND ELECTRONIC CABLES

Protecting high quality materials.



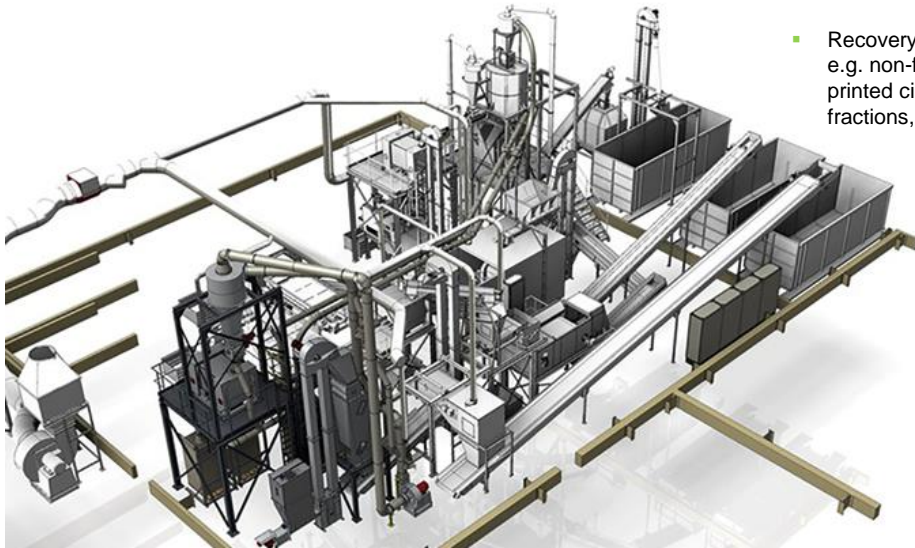
- Highly efficient processing of electrical and electronic cables, shredder cables, mixed cables
- Recovery of valuable raw materials such as copper, red metals, aluminium, light metals, plastic fractions, stainless steel



ELECTRICAL AND ELECTRONIC WASTE

Separating valuable raw materials from waste.

- Highly efficient processing of electrical and electronic waste
- Recovery of valuable raw materials/fractions, e.g. non-ferrous metals (copper, aluminium), printed circuit boards, cable fractions, plastic fractions, iron and stainless steel



SHREDDER LIGHT AND SHREDDER HEAVY FRACTION

Recovery of recyclable raw materials.



- Highly efficient processing of light and heavy shredder fractions
- Recovery of valuable fractions, e.g. non-ferrous metals, iron, stainless steel, shredder cables and alternative fuels



NON-FERROUS METALS

Separation of red metals and light metals.

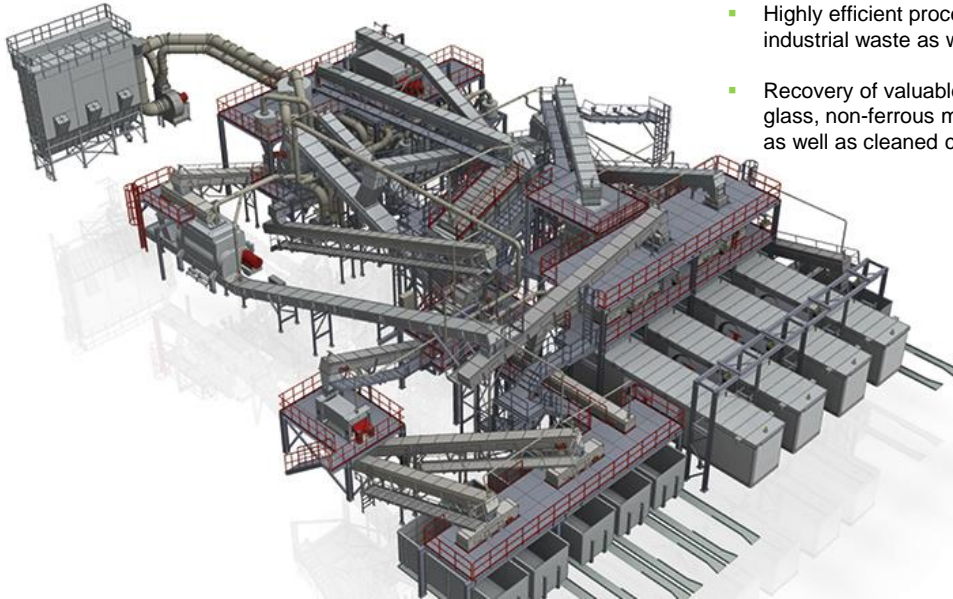


- Highly efficient processing of non-ferrous metals from cable fractions, slag, shredder fractions, municipal waste and composting plants as well as waste incineration ash
- Recovery of valuable raw materials such as copper, red metals, aluminium and light metals



MUNICIPAL AND INDUSTRIAL WASTE, COMPOST

Recovering secondary materials and mineral fractions.

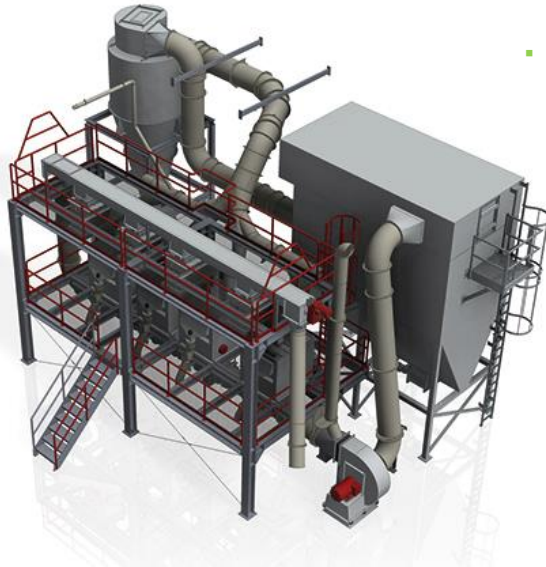


- Highly efficient processing of household and industrial waste as well as compost
- Recovery of valuable raw materials, such as glass, non-ferrous metals, iron, cable fractions as well as cleaned compost



WASTE GLASS

Reintroduction of high quality raw materials to the economic cycle.

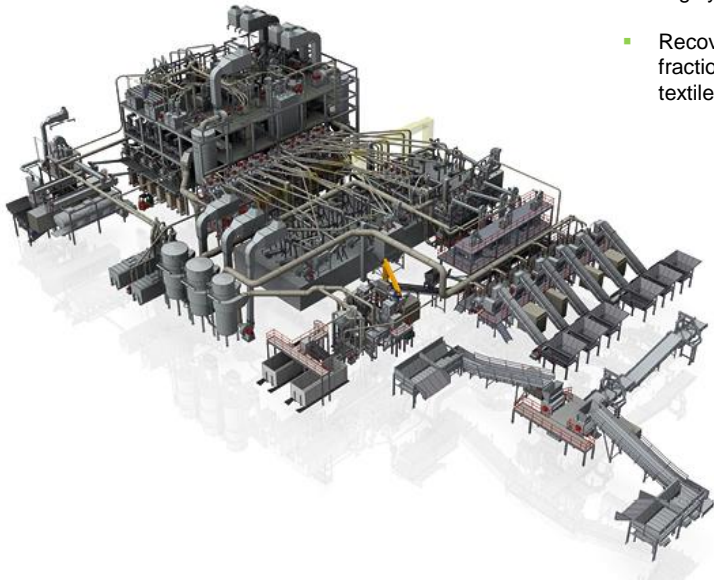


- Highly efficient processing of contaminated glass fractions
- Recovery of raw materials



TYRE RECYCLING

Separation into raw material constituents and residual fractions.



- Highly efficient processing of scrap tyres
- Recovery of valuable, clean raw materials/ fractions, such as rubber granulate, steel and textiles



ARTIFICIAL TURF

Processing with a professional multi-stage system.

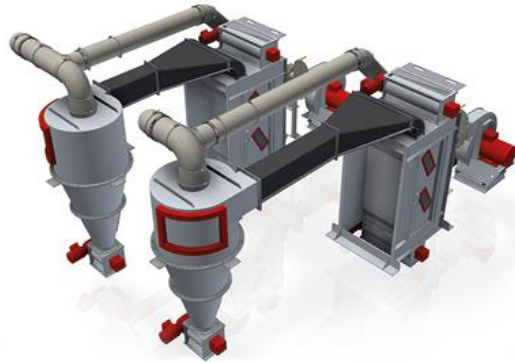
- Highly efficient processing of artificial turf
- Recovery of valuable raw materials, such as artificial turf fibres, sand and rubber



WASTE WOOD

Processing plants for the recovery of valuable raw materials.

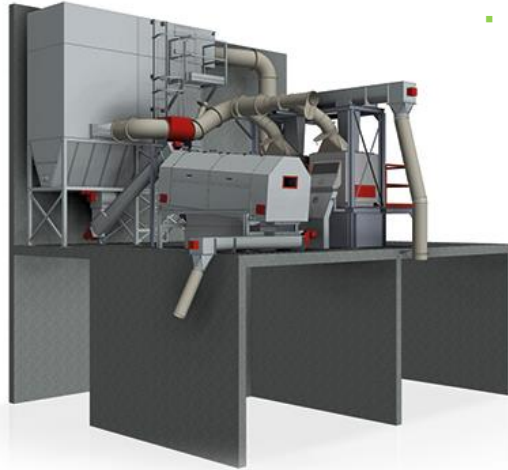
- Highly efficient processing of waste wood from industrial waste, municipal and industrial waste
- Recovery of valuable raw materials, such as wood, iron, non-ferrous metals



GYPSUM

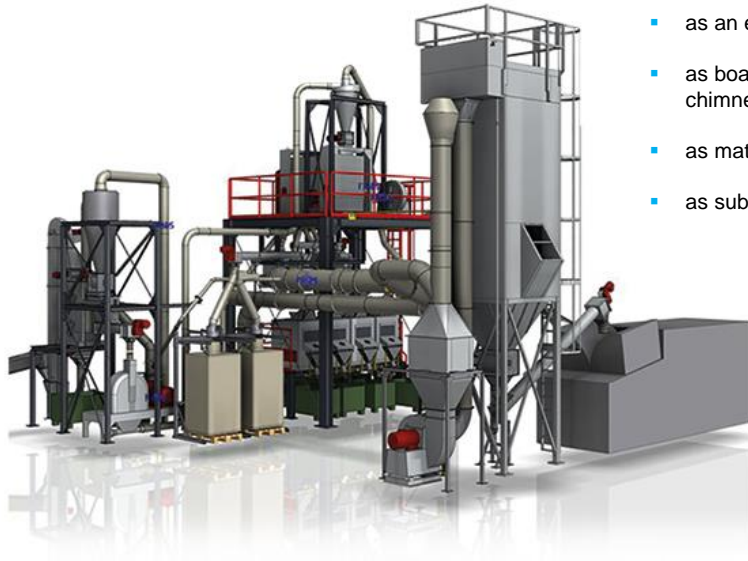
Separation of foreign materials and of the carrier material.

- Highly efficient processing of gypsum plasterboard from production, industrial and municipal waste
- Recovery of the valuable raw material of gypsum



MICA

Efficient separation of foreign materials.



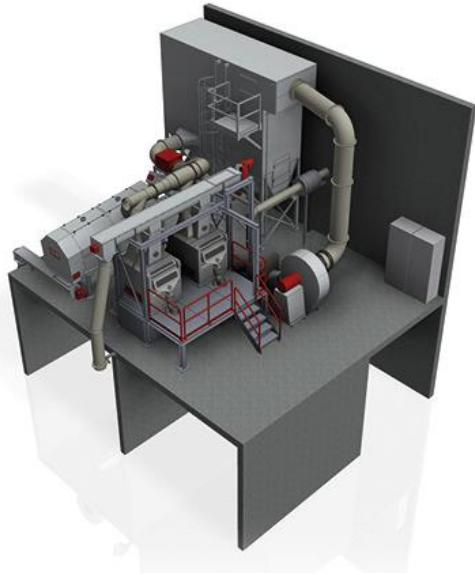
USE:

- as an electric insulator
- as board material in shipbuilding, production of chimneys
- as matrix in atomic force microscopy
- as substrate for self-organising monolayers



CRUSHED STONE CHIPPINGS

Productive separation processes.



USE:

- roadbuilding
- for spreading in winter



BATH SALT

Increasing quality.



USE:

- cosmetic industry



SAND

High purity and even granulation.



USE:

- building industry
- road construction
- landscaping
- ...



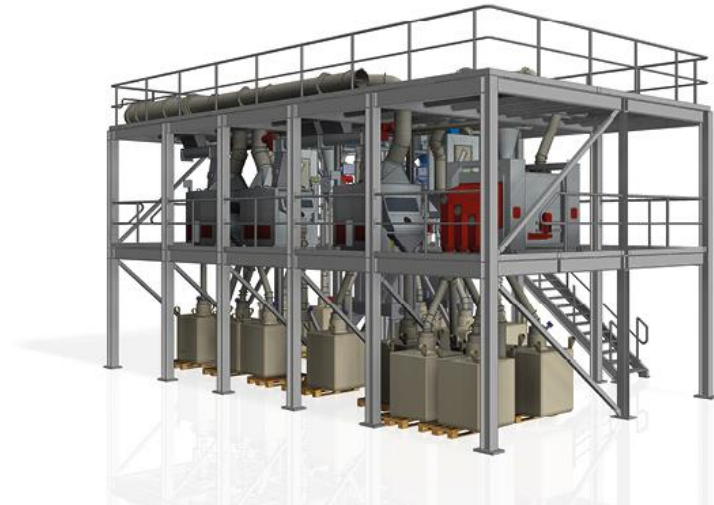
DRIED FRUITS AND DRIED VEGETABLES

Efficient separation of foreign materials.



COFFEE AND COCOA

Increasing quality through 100 % purity.



TEA, HERBS AND SPICES

Highly productive cleaning processes.



GRAINS AND NUTS

Efficient dry separating technology.



SEPARATING TABLE TTS

Separation of bulk materials and raw materials.



Machine:

The machine separates a wide variety of bulk materials according to their specific weight and form. The products must be pourable and should not exceed a certain moisture limit.



LONGITUDINAL VIBRATION TABLE VLT

Separation of wide range of various materials.



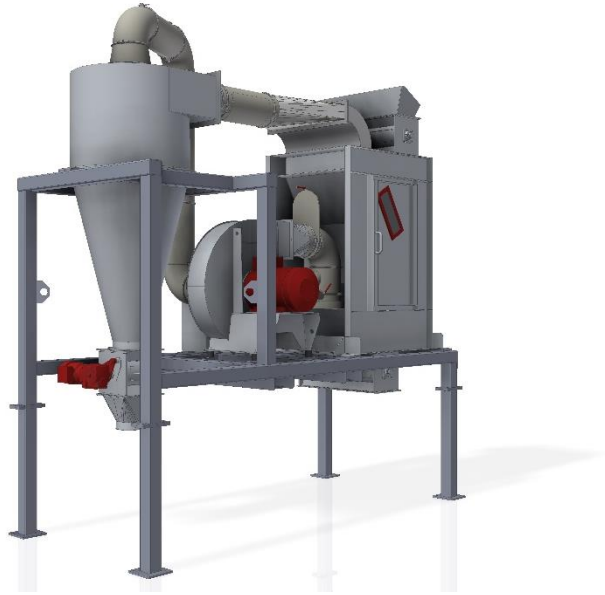
Machine:

Our newly developed and patented longitudinal vibration table VLT separates a wide variety of materials according to specific weight and form and is impressive thanks to its efficient results and high production quality.



WIND SIFTER ZZS

Separation of bulk materials according to specific weight.



Machine:

The machine separates a wide variety of bulk materials according to their specific weight, form and size.



WIND SIFTER QSS

Separation of coarse bulk materials.



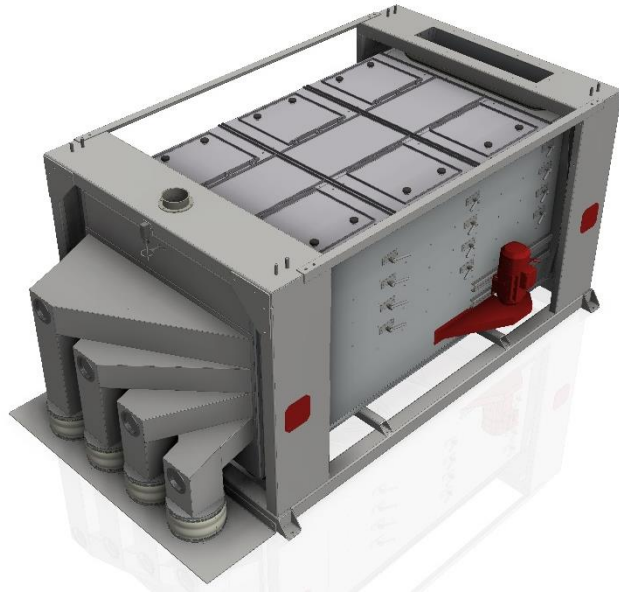
Machine:

The machine separates coarse bulk materials according to their specific weight, form and size.



SCREENING MACHINE SIK

For screening of granular and floury products.



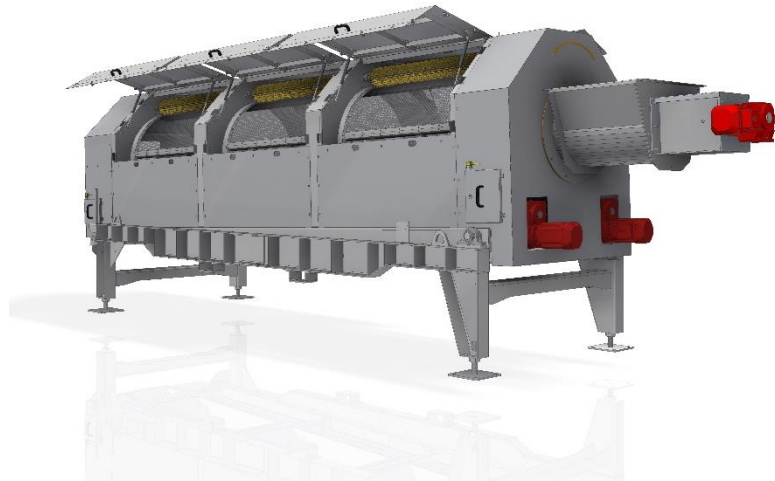
Machine:

With its variable screen design, the machine sorts bulk material of different grain sizes. The products must be pourable and should not exceed a certain moisture limit.



SCREENING MACHINE TSM

For screening of granular and floury products.



Machine:

With its variable screen design, the machine sorts bulk material of different grain sizes. The products must be pourable and should not exceed a certain moisture limit.

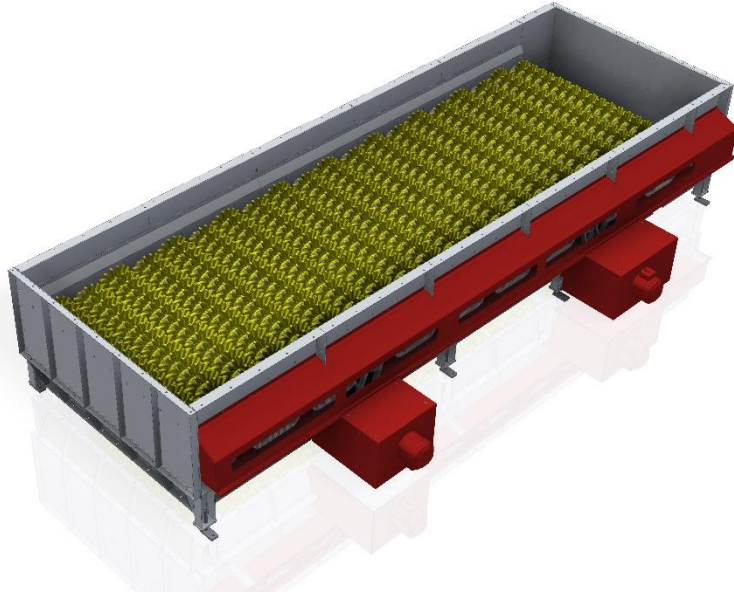


ROLLER DISC STAR SCREENING MACHINE RSS

Sorting of materials which are difficult to screen.

Machine:

With its variable screen design, the machine sorts bulk materials and difficult to screen material of different grain sizes. The products should not exceed a certain moisture limit. Use our Technology Centre for practical tests as a basis for the selection of the required machine size.



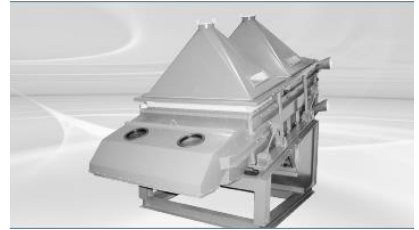
SCREENING MACHINE SIS

For screening of granular and floury products.



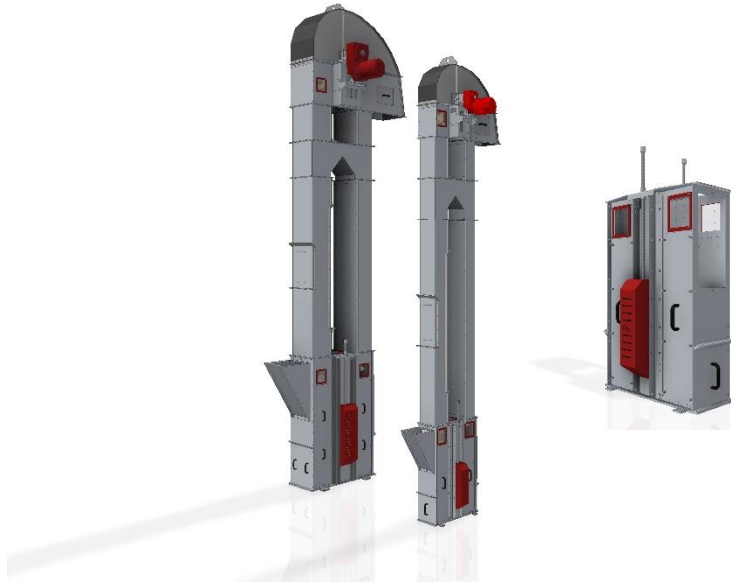
Machine:

With its variable screen design, the machine sorts bulk material of different grain sizes. The products must be pourable and should not exceed a certain moisture limit.



ELEVATORS

For economical vertical conveying.



Vertical transport:

- Powdery bulk materials
- Granular bulk materials

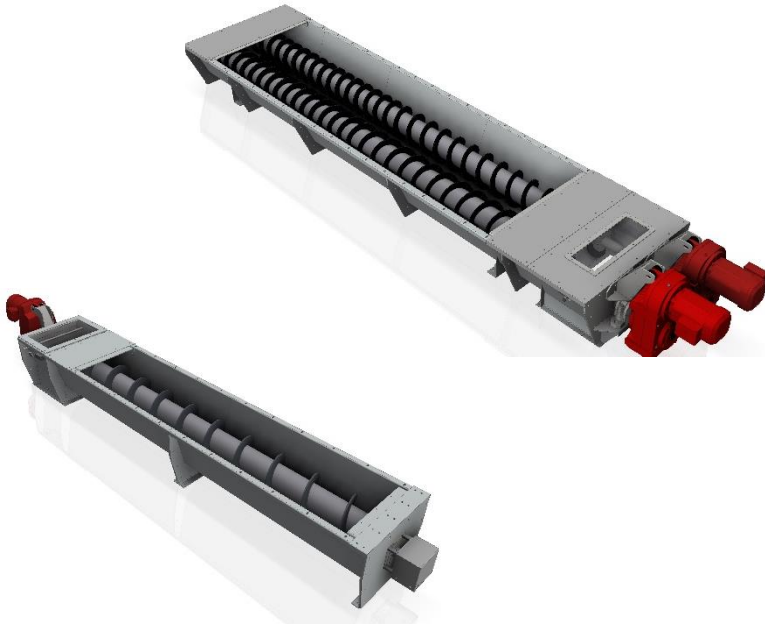
Special designs:

- Bucket designs in stainless steel and plastic
- Various belt designs
- Various solutions for protection against wear as required, including with extra hard, tough HARDOX steel
- Electronic monitoring systems – monitoring of off-track running and speed
- Designs according to ATEX directives



SCREW CONVEYORS

For efficient discharge results.



Horizontal or inclined transport:

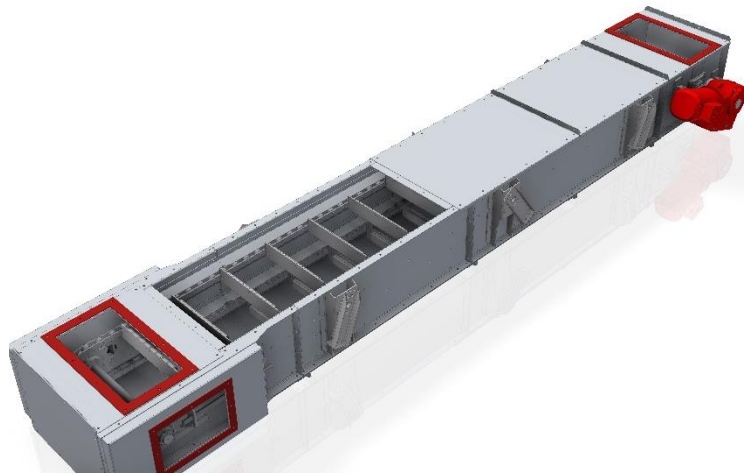
- Powdery bulk materials
- Granular bulk materials

Special designs:

- Complete stainless steel design
- Multi-shaft screw designs
- Screw trough design:
V-trough, U-trough, box trough, pipe screws
- Various solutions for protection against wear in the screw trough, including with extra hard, tough HARDOX steel
- Low-wear screw flight, also available in stainless steel, HARDOX steel
- Maintenance/cleaning openings
- Electronic monitoring systems – discharge flaps/speed



TROUGH CHAIN CONVEYORS For efficient transport processes.

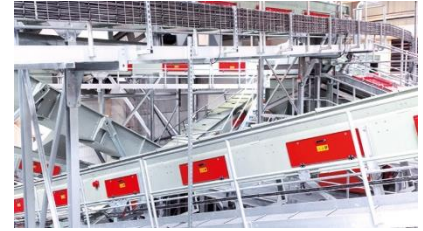


Horizontal or inclined transport:

- Powdery, granular and coarse bulk materials

Special designs:

- Design in complete, virtually dust-tight encapsulation
- Reinforced chain drive
- Protection against wear including with extra hard, tough HARDOX steel
- Maintenance and cleaning openings



CONVEYOR BELTS For safe transport.



Horizontal or inclined transport:

- Powdery, granular and coarse bulk materials
- Abrasive and sensitive products

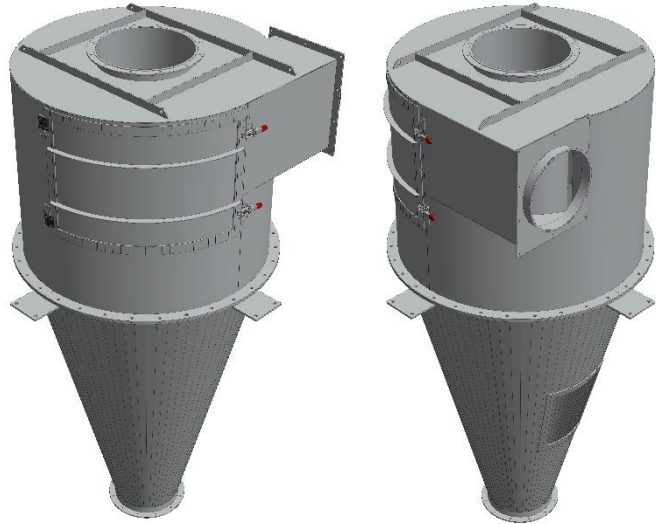
Special designs:

- Complete encapsulation with foldable floor
- Reinforced design also in the material feed area
- With belt cleaning/wiper
- Belt quality according to requirements
- Designs according to ATEX directives



CYCLONES

For pneumatic discharge.



Pneumatic conveying and dosing of

- dust
- fine grain or fibrous products

Special designs:

- Stainless steel design
- Maintenance doors in the blow-in area with replaceable wear plates
- Divided cone designs with maintenance openings/doors
- Designs according to ATEX directives



ROTARY VALVES

For discharging and dosing.



Pneumatic conveying and dosing of

- dust
- Powdery or granular products

Special designs:

- Stainless steel design
- Replaceable stainless steel lock buckets
- Various material designs of the rubber lips
- Various solutions for protection against wear as required, including particularly hard and robust HARDOX steel
- Maintenance access
- Designs according to ATEX directives



**DEFINE YOUR MEDIUM, YOUR SEPARATION REQUIREMENTS AND YOUR AIMS.
TRENNSO-TECHNIK PROVIDES YOU WITH THE PERFECT SOLUTION!**



TRENNSO-TECHNIK

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