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Graz Airport to Gleisdorf: approx. 40km • Vienna Airport to Gleisdorf: approx. 200km

www.btw-binder.com



General contractor for
mineral and environmental technology

BT-Wolfgang Binder

Your partner in plant engineering and technological solutions



Company

As a leading contractor, specializing in mineral and environmental technology, BT-Wolfgang Binder is an innovative partner for turnkey projects, modification and extensions to existing plants. BT-Wolfgang Binder's aim is to provide its customers with cost-effective solutions and to satisfy their requirements with the latest technology. BT-Wolfgang Binder GmbH – A reliable partner! Operating world-wide.

Company development

BT-Wolfgang Binder GmbH was founded in 1997 as a company concentrating on plant engineering.

Currently, the company has 60 employees, with an annual turnover of approximately 30 million euro.



BT-Group Holding GmbH

BT-Wolfgang Binder GmbH is a member of the BT-Group Holding GmbH. Currently, BT-Group has 280 employees with an annual turnover of 65 million euro. 80% of turnover is exported world-wide. In cooperation with our associated companies we are your partner for comprehensive plant and engineering solutions. Our abilities and success have been proven. The BT-Group offers quality solutions to customers world-wide.

Areas of responsibility:

Mineral technology

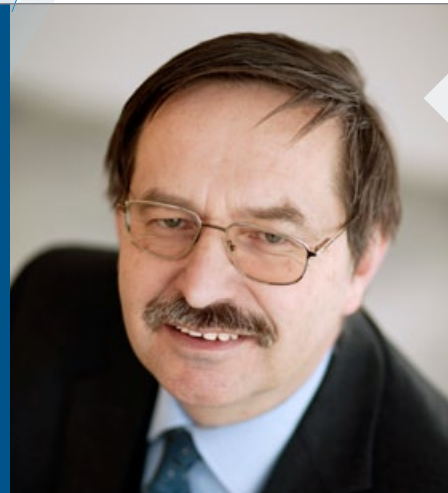
- Mixing plants
- Sand processing plants
- Conveyor technology for bulk materials

Environmental technology

- Glass recycling
- Plastic sorting
- Paper sorting

General contractor

All-in-one solutions from BT-Wolfgang Binder



Management

Our competitive advantage is the “in-house” knowledge and commitment of our employees. Our solutions are customer-driven by a highly motivated team ready to meet customer’s requirements.

Managing Director, Heinrich Fuchs

Teamwork

The BT-Wolfgang Binder team, specialists with years of experience, develop tailor-made solutions to meet the customer’s requirements.



We assume responsibility for all services of each project, from planning to commissioning. We are a competent partner.

Everything from one source!

As a general contractor, BT-Wolfgang Binder GmbH has the necessary know-how and experience to support a customer in implementing technical and economical solutions. We are able to provide all the services of a project. From planning to commissioning we provide dedicated technical support after completion of a project.

Progress through development

There is no progress without continuous innovation. BT-Wolfgang Binder conducts research in the fields of optical sorting as well as dry and wet dosing systems. In addition, series of tests for the processing of household and industrial waste, electronic scrap, refuse derived fuels, end of life vehicles and paper/cardboard recycling are under continuous development.

BT-Wolfgang Binder provides reliable and professional services to all projects from mineral sorting to environmental technology.

Project planning

- definition of requirements
- assessment of possible solutions
- elaboration of the implementation concept
- preparation of documentation for submission to local authorities
- calculation of costs
- plant design in 3D

Project management

- deadline monitoring and supervision
- coordination with partners
- coordination of suppliers
- supervision of the assembly process

Manufacturing - Delivery

- exact technical specification of all machine and plant components
- detailed fabrication drawings and documents
- continuous supervision
- preparation of documentation (health and safety), operating manuals

Assembly - Start-up

- planning and coordination of construction site
- assembly
- start-up by qualified experts
- training of staff
- plant commissioning

After sales service

- coordination of stock of spare parts
- expert advice for plant modification and upgrades

Spare parts

- ensuring availability
- fast and competitively priced delivery

Mixing plants

Mixing, dosing –
cost effective solutions



1 Drying

2 Screening

3 Dosing
Weighing
Mixing

4 Packing, Storing

Mineral technology – plants from one source

Innovative 3D planning combined with the know-how of more than 40 years of experience within plant engineering. The determined orientation on efficiency makes the plants of BT-Wolfgang Binder so successful.

Mixing plants of BT-Wolfgang Binder

The production of dry construction materials such as mortar, cement, fillers and plaster requires a detailed knowledge of the areas of dosing, weighing, mixing, packing, storing and controlling.

BT-Wolfgang Binder plans, supplies and assembles mixing plants customized to your needs and within the specified time, ranging from materials handling and stockpiling, precise batching and weighing systems to packaging plants.

Mixing plants – modular design

We have developed this plant concept for our customers acting within new markets and countries. The modular units as well as the semi-mobile design give us the necessary promptness to react towards the need of creating production capacities. The plant can be built in different phases. At the beginning it is equipped for instance with silos for small amounts, mixer and packing machine and after the appropriate market development the degree of automation and the performance can be increased. The plant can be upgraded by extension modules such as raw material silos, additive dosing units, sand processing plants, palletizing systems, etc.



Mixing plants START - EXPAND - MOVE

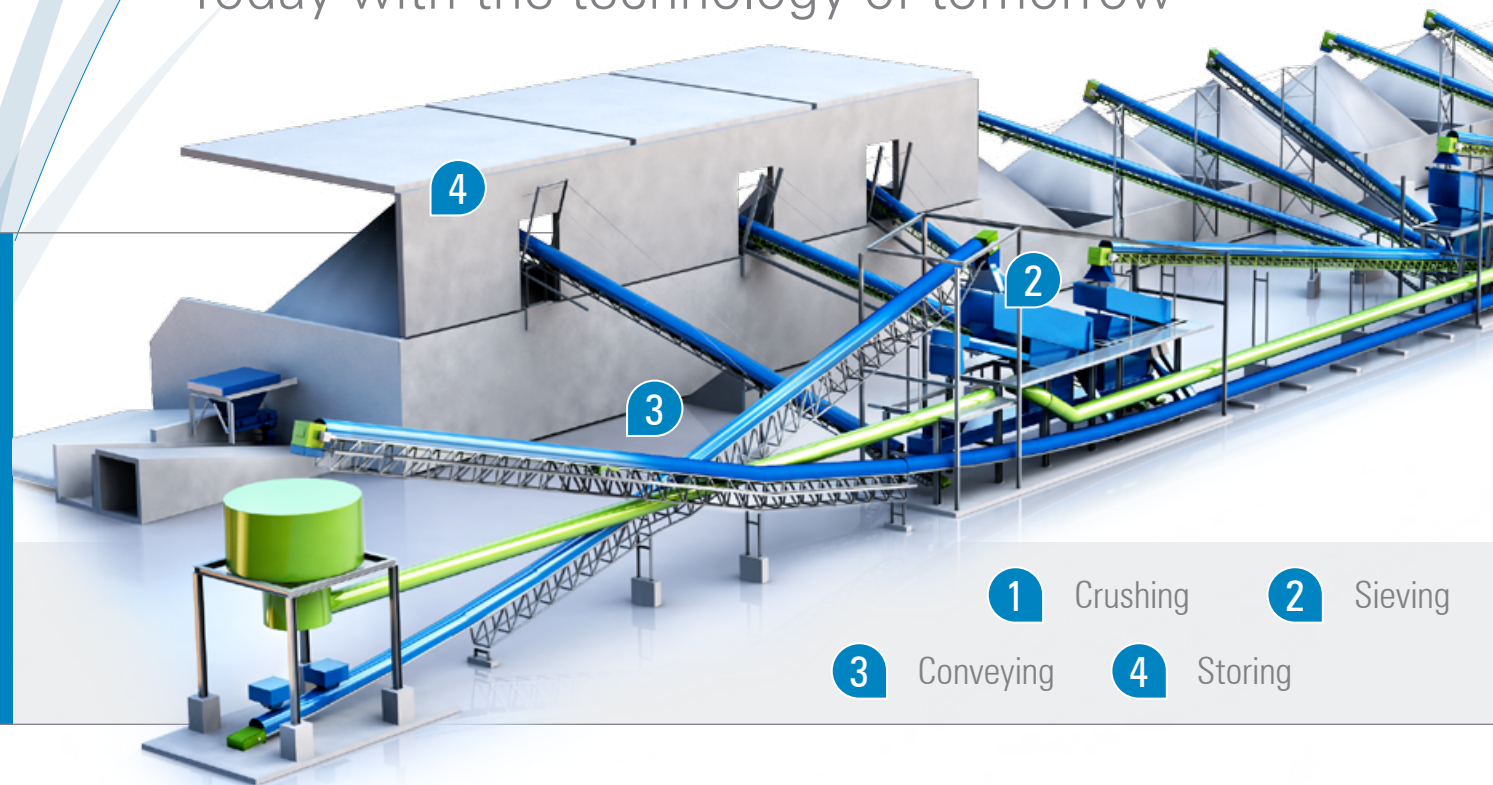
Experts for:

- Drying
- Screening
- Dosing
- Weighing
- Mixing
- Packing
- Storing
- Control system



Sand processing

Today with the technology of tomorrow



- 1 Crushing
- 2 Sieving
- 3 Conveying
- 4 Storing



Sand processing plants of BT-Wolfgang Binder

The precise processing of raw materials by means of controlled crushing, drying/cooling, screening, sieving and sorting is a precondition for a high-quality product. Crushing experiments which guarantee a processing that is optimally adapted to rock characteristics are carried out in collaboration with innovative partners.

BT-Wolfgang Binder offers with its trademark **REDWAVE** a flexible, sensor-based sorting system which is equipped with the latest sensor technology. The sorting process occurs on the basis of colour, transparency, brightness, size or elemental composition.



The **REDWAVE** mineral sorter has been developed for the sorting of different minerals, base metals and gemstones, such as limestone, quartz, talc, gold, nickel, willemite, magnesite, aquamarine or diamonds.

Experts for:

- Sensor-based sorting technology
- Screening and sieving
- Conveying
- Drying / cooling
- Control system
- Crushing
- Storing



Impressive services.

Your innovative partner for any requirement.



Conveyor technology for bulk materials

Quality which moves



Conveyor technology for bulk materials of BT-Wolfgang Binder

We carry out the complete design work, delivery and assembly of crushing, screening, mixing and batching processes as well as the realization of rail car discharge stations, landfill sites, reloading points and terminals for trucks and rail cars.

The high quality conveying systems are mainly characterized by the use of European brand-name products as subcomponents of our plants. Long-standing experience and plants optimally tailored to customer needs and requests are reflected in numerous reference plants and satisfied clients.

BT-Wolfgang Binder provides conveying systems within nonmetallic minerals industry, metallurgical industry, also mining and power sector.

Experts for:

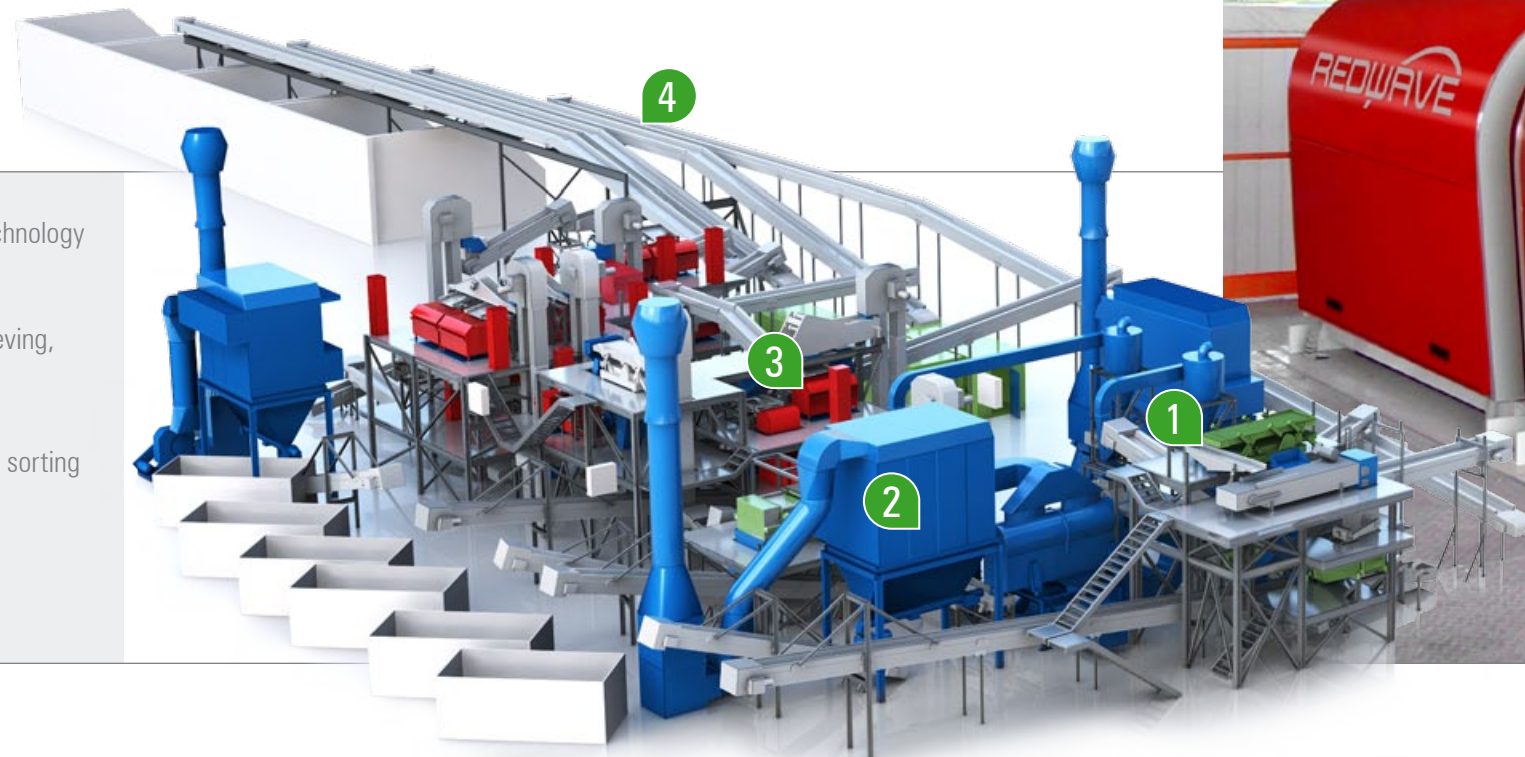
- Belt conveyors
- Curved belts
- Apron conveyors
- Belt feeders
- Belt bucket elevators
- Chain bucket elevators
- Vertical lift conveyors
- Chute conveyors



Glass recycling

Sorting systems built to your requirements

- 1 Shredding technology
- 2 Screening, sieving, drying
- 3 Sensor-based sorting technology
- 4 Conveying



Glass recycling of BT-Wolfgang Binder

Waste glass requires many processing steps before it can be recycled as a valuable raw material. One of the most essential steps of this process is optical sorting which detects and separates contaminants, as well as colour separation. Due to our continuous technical development, BT-Wolfgang Binder guarantees high quality sorting solutions for glass plants.

Environmental technology, optical sorting

BT-Wolfgang Binder has accepted the challenge and develops new recycling technologies for the future. Innovative technologies are necessary to make efficient use of increasingly scarce raw materials. The sensor-based sorting technique occupies an important position in this process. Constant research and development in the area of sorting technology enables us to offer the latest and most economic all-in-one solutions on the recycling market.

Our many years of experience also enable us to update existing plants and equipment to the latest technological standards. With BT-Wolfgang Binder you can achieve better sorting results – guaranteed!

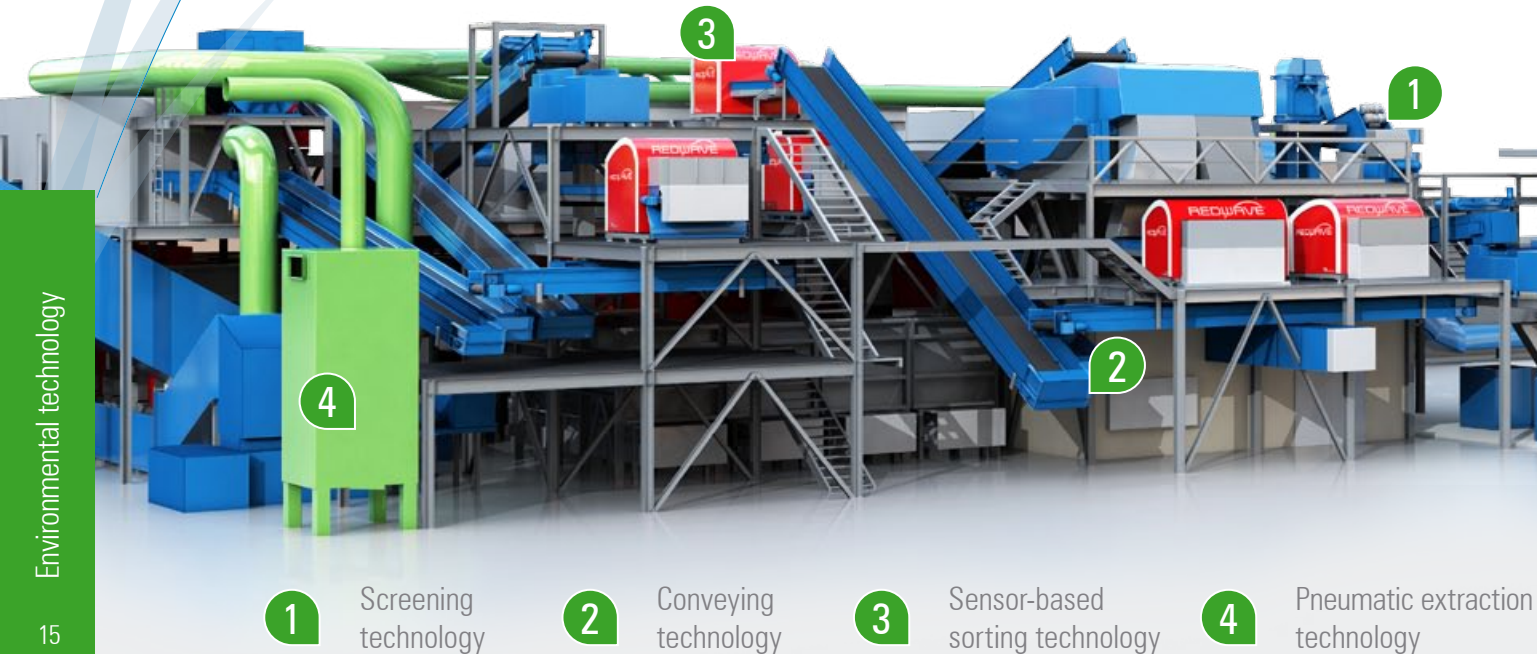
Experts for:

- Crushing
- Screening, sieving
- Drying
- Conveying
- Separation of KSP
- Unmixed colour sorting
- Separation of heat resistant and leaded glass



Plastics sorting

Future-oriented technologies in recycling



1 Screening technology

2 Conveying technology

3 Sensor-based sorting technology

4 Pneumatic extraction technology



REDWAVE is a trademark of BT-Wolfgang Binder which identifies, analysis and sorts plastics and other recyclable materials according to the principle of material and/or colour recognition. Depending on the requirements BT-Wolfgang Binder offers different sensor systems to achieve maximum return on the separated commodities.

Plastics sorting of BT-Wolfgang Binder

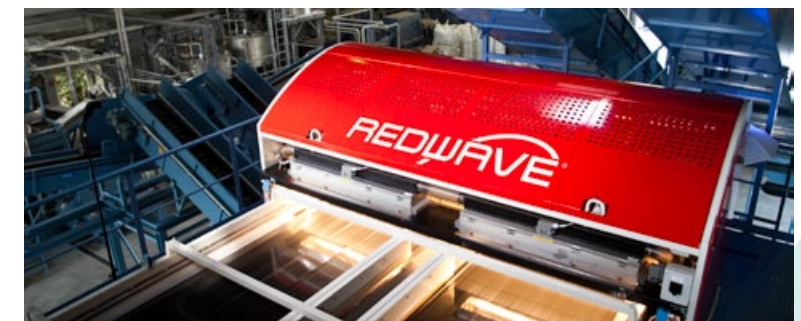
The recovery of unmixed plastics and other potential recyclables represents a major challenge for the processing industry.

REDWAVE guarantees high throughput of materials with maximum recovery of materials achieving maximum return on the separated commodities. Different sensor systems can be selected to achieve the optimum performance.

Our intensive research and development work offers the latest sorting technology at any time. The fields of application within plastics sorting are often very different. Bottles (PET, HDPE, PP, ...) as well as bio-degradable plastics can be for instance efficiently recycled and chloride compounds (PVC), flame retardant plastics, paper, wood and metals can be effectively separated.

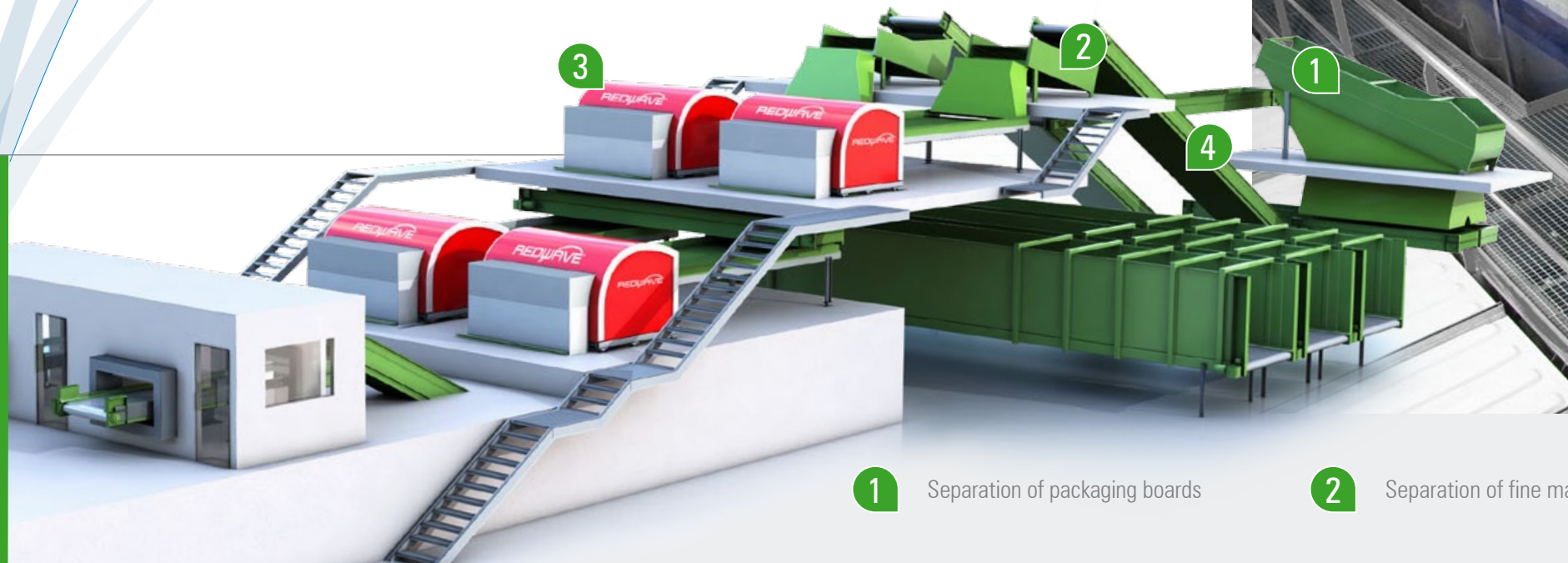
Experts for:

- Bunker discharge
- Shredding technology
- Screening technology
- Conveying technology
- Sensor-based sorting technology
- Pressing technology
- Pneumatic extraction technology



Paper sorting

Innovative sorting technology for highest demands

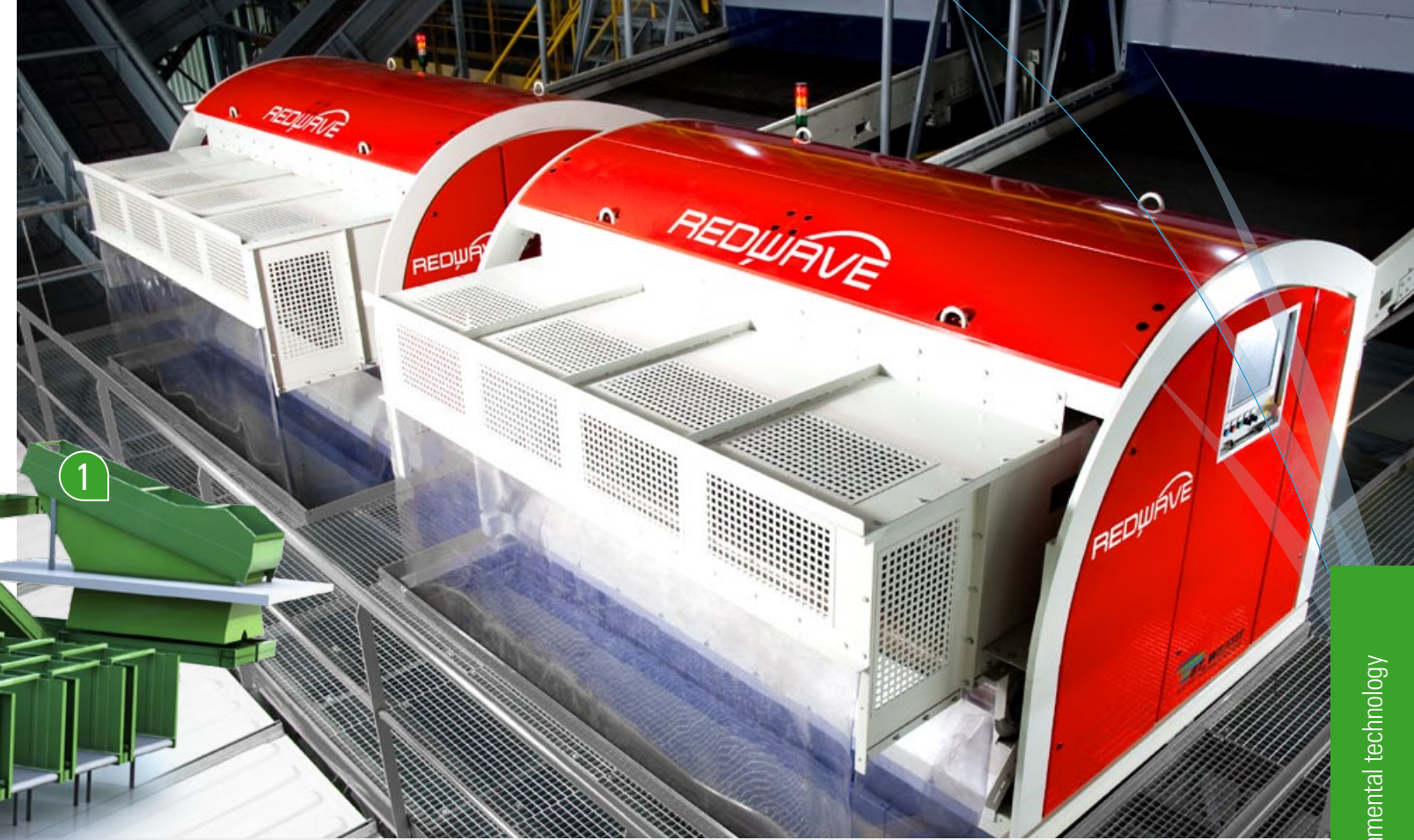


1 Separation of packaging boards

2 Separation of fine materials

3 Sensor-based sorting technology

4 Conveying technology



Paper sorting of BT-Wolfgang Binder

Paper industry has high standards for de-inked paper. REDWAVE is able to achieve these requirements with highest precision. Near Infrared Technology (NIR) with colour sensors is selected.

Paper sorting REDWAVE disposes of the unique feature of quantitative identification of kaolin, cellulose, lignin, moisture or flexoprint.

REDWAVE sorting technology enables fully automated separation of recyclable materials and is successful world-wide.

Experts for:

- Bunker discharge
- Separation of packaging boards
- Separation of fine materials
- Conveying technology
- Sensor-based sorting technology
- Pressing technology
- Pneumatic extraction technology



Our projects

Expertly designed and executed projects achieve financial success to every customer



BT-Wolfgang Binder GmbH has successfully realized facilities and facility components, among others in Austria, the USA, China, Japan, Germany, Latvia, England, Finland, Sweden, Ireland, The Czech Republic, Hungary, Romania, Bulgaria, Slovenia, Croatia, Bosnia, Spain, Serbia, Ukraine, Russia, Egypt, Saudi Arabia, etc.



Everything from one source!

BT-Wolfgang Binder GmbH will be a clients partner through each project and into the future.

BT-Wolfgang Binder GmbH designs, delivers and installs turnkey plants or individual components for the mineral and environmental technology industries on time and as a quality product.

BT-Wolfgang Binder GmbH is committed to the long term cooperation with our customers to ensure successful plant management, through good engineering resulting in profitable recovery as an outcome of capital expenditure in technology.

We remain your competent partner also after the successful conclusion of your project.



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