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
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.
Experts for:
- Drying
- Screening
- Dosing
- Weighing
- Mixing
- Packing
- Storing
- Control system

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 extusion modules such as raw material silos, additive dosing units, sand processing plants, palletizing systems, etc.
Sand processing

Today with the technology of tomorrow

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
- Drying / cooling
- Crushing

- Screening and sieving
- Conveying
- Control system
- 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
Experts for:
- Crushing
- Screening, sieving
- Drying
- Conveying
- Separation of KSP
- Unmixed colour sorting
- Separation of heat resistant and leaded glass

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!
Plastics sorting
Future-oriented technologies in recycling

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, …), films (LDPE, 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

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.
Paper sorting
Innovative sorting technology for highest demands

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
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.

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.

Our projects
Expertly designed and executed projects achieve financial success to every customer

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