Competence

The mining and extraction of raw materials and minerals - such as coal and ore - the movement of earth and overburden, the handling, conveying, lifting and transporting of bulk and piece goods, as well as their storing, homogenizing and processing - for example crushing, classifying, milling, drying and filtering - that is what ThyssenKrupp Fördertechnik takes as a challenge to be met with the best ThyssenKrupp Fördertechnik has to offer for efficiency and reliability.

Planning and construction of mining and materials handling systems - from individual units to turnkey plants. Assuming overall management and responsibility, functioning as cooperation partner, in a joint venture or consortium, as supplier.

From planning and projecting, engineering, production and installation, right up to exemplary field back-up and service, more than 2,700 employees at ThyssenKrupp Fördertechnik world-wide are aiming at the same goal.

- Planning and consulting
  Preliminary studies
  Profitability and feasibility studies
  Conceptual design
  Projecting

- Technical services
  Raw material analyses
  Crushing tests
  Geological investigations
  Mine planning

- Research and development

- Engineering
  Overall and detail planning
  Design
  Documentation

- Projectmanagement

- Procurement and production
  In-house and outsourced manufacture (also local)
  Mechanical engineering
  Structural steelwork
  Electrical equipment
  Hydraulic equipment
  Pneumatic equipment
  Pre-assembly
  Quality assurance system according to DIN EN ISO 9001
  Acceptance testing

- Shipment
  to any country worldwide

- Construction and assembly
  Overall execution
  Supervision
  Commissioning
At a glance

- **Business Unit: Mining**
  - Open pit mining systems
  - Giant bucket wheel excavators
  - Spreader
  - Belt wagons
  - Tripper cars
  - Overland and curved conveyor systems
  - Stationary, relocatable and shiftable belt conveyor systems
  - Auxiliary equipment
  - Transport crawlers
  - In-pit crushing and conveying systems for ore, overburden, coal
  - Fully mobile in-pit crushing plants

- **Business Unit: Processing**
  - Mobile and semi-mobile crushing plants for cement, limestone, gypsum
  - Processing plants for hard rock
  - Stationary crushing plants
  - Gyratory crushers
  - KUBRIA® cone crushers
  - Jaw crushers
  - Impact jaw crushers
  - Hammer crushers
  - Hammer mills
  - Impact crushers
  - Impact mills
  - Roll crushers
  - RollSizers
  - Screening plants
  - Apron feeders
  - Vibrating feeders
  - Magnetic separators
  - Drying plants
  - Grinding plants
  - Vacuum belt filters
  - Components

- **Business Unit: Materials Handling**
  - Complete stockyard and handling systems for bulk materials
  - Bucket wheel reclaimers
  - Scraper reclaimers
  - Drum reclaimers
  - Blending equipment
  - Stackers
  - Belt conveyors
  - “Rollgurt” Tube conveyors
  - Coal handling plants for power stations
  - Fertilizer handling plants
  - Port handling systems
  - Ship loaders
  - Ship unloaders (continuous and grab)
  - Luffing slewing cranes
  - Wagon tipplers
  - Railroad car loading and unloading stations
  - Plow feeders
  - Cable cranes for dam construction
  - Gear boxes/drives

- **Services**
  - Maintenance, Repair
  - Rejuvenation
  - Spare-parts service
  - Training

- **Financial engineering**
  - Short, medium and long-term financing concepts
  - Arrangement of national and international credits
  - Compensation
  - Barter
  - Profitability analyses
Open pit mining systems and equipment – the most economic solution for modern mines

Wherever earth, overburden, coal, lignite, ore, phosphate and limestone needs to be mined, moved, stacked or tipped on a large scale, ThyssenKrupp Fördertechnik continuous mining systems are involved in no small way. The range of available machines and techniques can only be classed as universal, pacesetting and comprehensive.

ThyssenKrupp Fördertechnik open pit mining equipment provides the solution for the most demanding tasks: bucket wheel excavators in all sizes and configurations - from giants in a “world of their own” down to the “ordinary” magnitudes of the compact BWEs - are the first stage in the mining operation. They pass their loads on to large-scale or overland conveyor systems to be carried to spreaders for dumping, backfilling or to the further processing. Cross-pit spreaders represent interesting alternatives for economic mining methods.

Substantial contributions to the development of economic in-pit crushing systems for overburden, ore and coal made ThyssenKrupp Fördertechnik one of the leading suppliers in this field. Fully mobile in-pit crushing plants are the latest example for the company’s innovative engineering.

It is not just the machines, but moreover the combination of machines, expertise and know-how that has made ThyssenKrupp Fördertechnik the leading partner for open pit operations worldwide.
Semi-mobile crushing plant

Shiftable belt conveyor

Compact bucket wheel excavator

Overland conveyors

Transport crawler

Giant spreader

Fully mobile in-pit crushing plant

Compact bucket wheel excavator
Mineral processing – crushing, screening, grinding, drying and filtering

ThyssenKrupp Fördertechnik
mineral processing - for a complete range of systems based on exemplary technology and know-how built up in many decades of close cooperation with our customers.

Whether direct at source or at the point of further handling, mineral processing is always an essential part of extraction, industrial preparation and refining of bulk materials. All kinds and sizes of crushers are constantly proving their value crushing hard rock, limestone, coal, ore and overburden in open pit mines and quarries, and many other places.

For each of the manifold applications special crusher types are available which our engineers have improved and adapted to their respective duty. They are core components of state-of-the-art installations and form, along with other components, tailored and efficient processing systems in stationary, mobile, semi-mobile or movable units.

High-capacity components for thermal drying of bulk materials - from impact dryers to rotary dryers, mills, air separators and vacuum belt filters for dewatering of all types of suspensions - round off the product line.

Various pre- and after-sales services meet all of the customers requirements, ranging from planning and design to the supply of spare parts, components and wear parts, from new or overhauled plants to commissioning, maintenance and training.
Gyratory crusher

Semi-mobile crushing plant

Mobile crushing plant

Linear-Grizzly-Feeder

Semi-mobile crushing plant

Jaw gyratory crusher

Hydro-cyclones

Mobile crushing plant

Vacuum belt filters

Linear vibrating screen

Vacuum belt filters

Stationary impact crushing plant

Jaw crusher

RollSizer

Semi-mobile crushing plant

Vacuum belt filters for coal dewatering

Gyratory crusher

Stationary impact crushing plant
The transport, storage, beneficiation and handling of bulk material and piece goods are links in the chain of materials handling. For decades now, ThyssenKrupp Fördertechnik has been planning and installing materials handling systems to provide optimum and economic solutions.

This includes the planning, projecting, production and installation of complete handling plants and systems for ports and stockyards, industrial plants and power stations. And it is complemented by a state-of-the-art range of bucket wheel reclaimers, blending and reclaiming scrapers, stackers, belt conveyors, shiploaders and ship unloaders.

Specialized handling technique, such as for hydro-electric dam construction, are catered for with a range of cable cranes.

Continuous “green” shipun-loaders, “Rollgurt” belts for dust-free transport of materials and floating conti-unloaders that do away with expensive quay installations are all examples of our innovation in R&D and the continual effort put into finding ever-better solutions for ageold problems.

Countless reference installations in all parts of the world are the proof of what has made ThyssenKrupp Fördertechnik the world’s most experienced and reliable partner in materials handling.
Continuous ship unloaders

Drum reclaimer

Coal terminal

Portal scraper

Uncovered circular blending bed

Wagon tippler

Grab unloaders

Shiploader

Combined bucket wheel stacker/reclaimer

Pipe conveyor

Cable cranes

Wagon tippler
We're as close as the nearest telephone
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