



allmineral

allsort®

More efficiency and sustainability
in dry processing

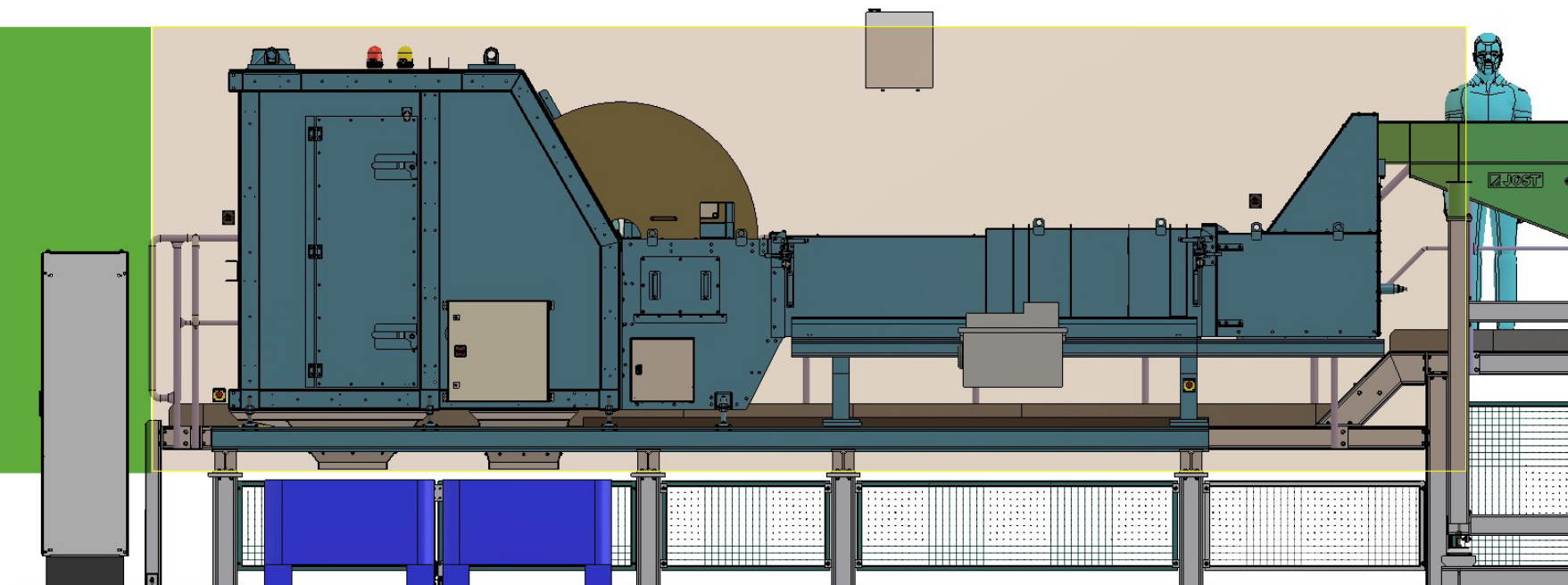
The high-end technology in the **allsort® XRT sorter** permits resource-saving, efficient dry processing using sensor-based sorting – for better protection of the environment and profitability.

A better future by means of high-end processing

The increasing complexity of raw materials, as well as increased requirements on product quality and the protection of the environment are creating major challenges. For this reason, the primary goals of allmineral include minimising raw material waste, conserving natural resources and increasing the cost effectiveness of our plants for you as the customer. To achieve these goals, we are focussing on dry processing and the continuous development of dry processing techniques and individual high-end solutions, such that natural raw materials are conserved and fully utilised.

The advantages of dry processing

- Environmentally-friendly without the use of water or chemicals
- Dry processing does not produce any dust emissions whatsoever
- High energy efficiency
- Overall space required is less than for wet processing plants
- Comprehensive service and support for sustainable processing with complete utilisation of raw materials



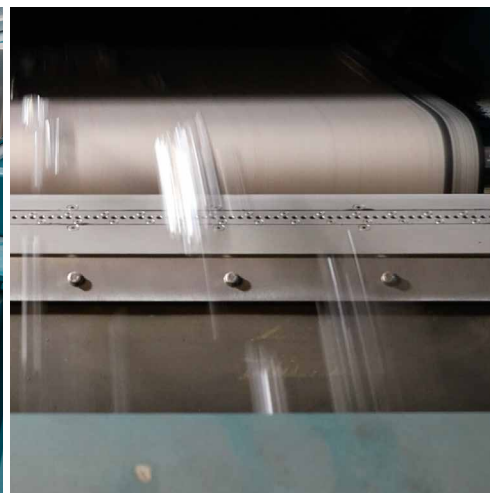
More success with allsort® dry processing

Conventionally, large quantities of water are consumed during the processing of raw materials. Based on more than 30 years of mining experience and the know-how of a mineral processing, we have therefore developed a new technique for dry processing: using the allsort® XRT sorter, raw materials can be processed in a resource-saving manner.

Using X-ray transmission, the allsort® XRT sorter processes raw materials for greater protection of the environment and profitability. Expensive slimes handling and disposal, as is necessary during wet processing, are not required. Along with increased profitability, allsort® provides a qualitatively better product – as such ecological and economic advantages are combined in this innovative dry process.

Your advantages with allsort®

- Sensor-based sorting improves availability and usage of resources
- Energy and water consumption are significantly reduced
- No slime handling and no slime disposal, as is necessary during wet processing
- Modern system software continuously acquires process data to optimise the overall process
- Increased overall profitability of mining projects



More know-how for your applications

Whether ores, coal or materials for recycling – all applications in dry processing are possible with the allsort® XRT sorter. X-ray technology permits an insight into the particles, even if surfaces are heavily soiled – without the need to use any water.

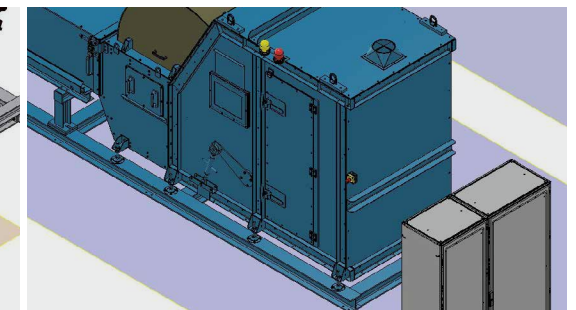
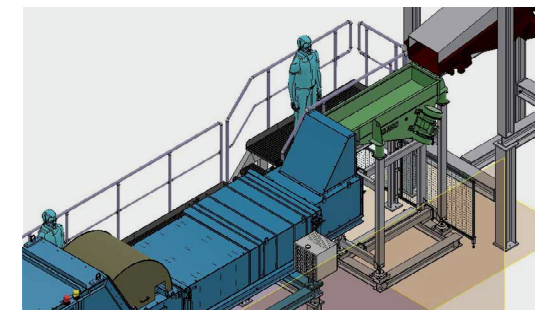
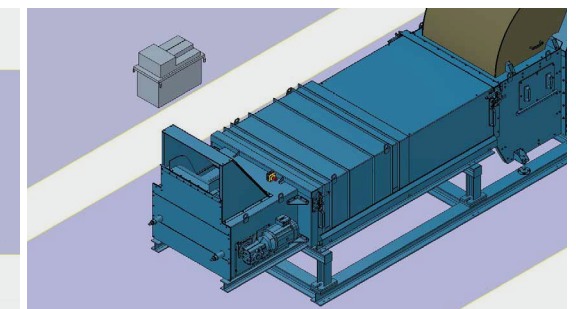
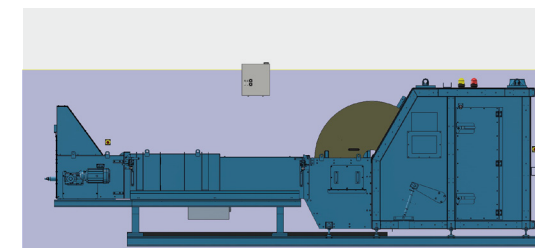
The advantages of the technology

- Efficient sorting process using X-ray technology
- Large particle spectrum and high throughput
- No waste water or slimes handling
- German engineering and manufacturing in German quality guarantee durability and availability
- System integration for processing solutions from a single source
- Extremely well-trained service team for the overall process



Technical specifications

The allsort® XRT sorter is suitable for sorting all materials containing substances of varying density.



- Particle sizes from 10 to 120 mm
- Throughput performance from 75 to 150 t/h per machine unit
- Conveyor belt speed 3 m/sec
- Compact, water-proof and dust-proof design
- Discharge system: compressed air valves (quantity 96-192/spacing 6.25 mm)

Greater protection of the environment due to sustainable processing

The future of allmineral's processing technology will be built on sustainability, water-saving technologies and innovations that will revolutionise existing technology. In our allmineral innovation centre, we are therefore developing new techniques for dry processing. Using these processes, not only are valuable resources saved, profitability and product quality also increase – ecology, the protection of the environment and cost effectiveness are not mutually exclusive at allmineral.

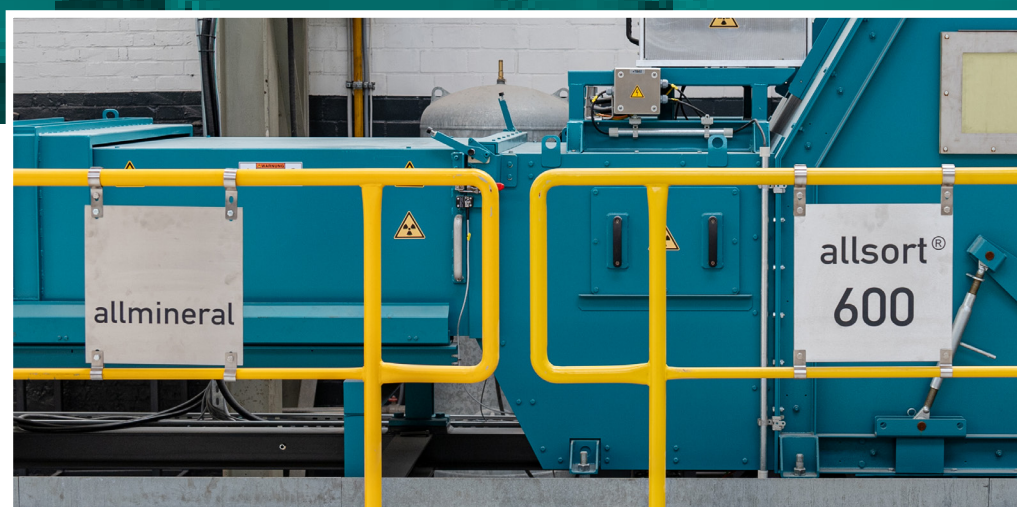
Thanks to the latest X-ray technology, the newly developed allsort® XRT sorter can separate and dry process materials in an environmentally-friendly manner. The utilisation of resources is improved, the consumption of energy and water is reduced significantly, while requiring comparatively little space – high capacity with a small footprint.

The advantages of sustainable processing using allsort®

- Improved utilisation of resources
- Environmentally-friendly raw material separation and processing
- Significantly reduced energy and water consumption
- No waste water or slimes
- Less space required compared to wet processing



More competence with allmineral processing technology



allmineral is your innovative, global specialist for processing technology. With more than 30 years of experience and a team of almost 100 around the world, we work on finding custom, creative solutions for your specific processing requirements – from individual machines to complex system solutions from a single source.

In our internal research department, our team of experts optimises existing products and develop new, innovative products for you. Top product quality and durability along with service and customer support are priorities for us. allmineral focus on dry processing of materials is a priority, because conserving resources and preserving nature are elementary components of our corporate activities.

Individual advice

Worldwide, we advise businesses, prepare concepts and provide personal, competent support during all the phases of your project. Our services for you include:

- Technical services
- Feasibility studies as well as trials and pilot projects
- Process development
- Assessment of existing plants
- Upgrades and equipment inspection
- Ongoing process support and analysis by qualified service engineers

Visit us on our social media channels:



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Contact

We look forward to hearing from you!

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