



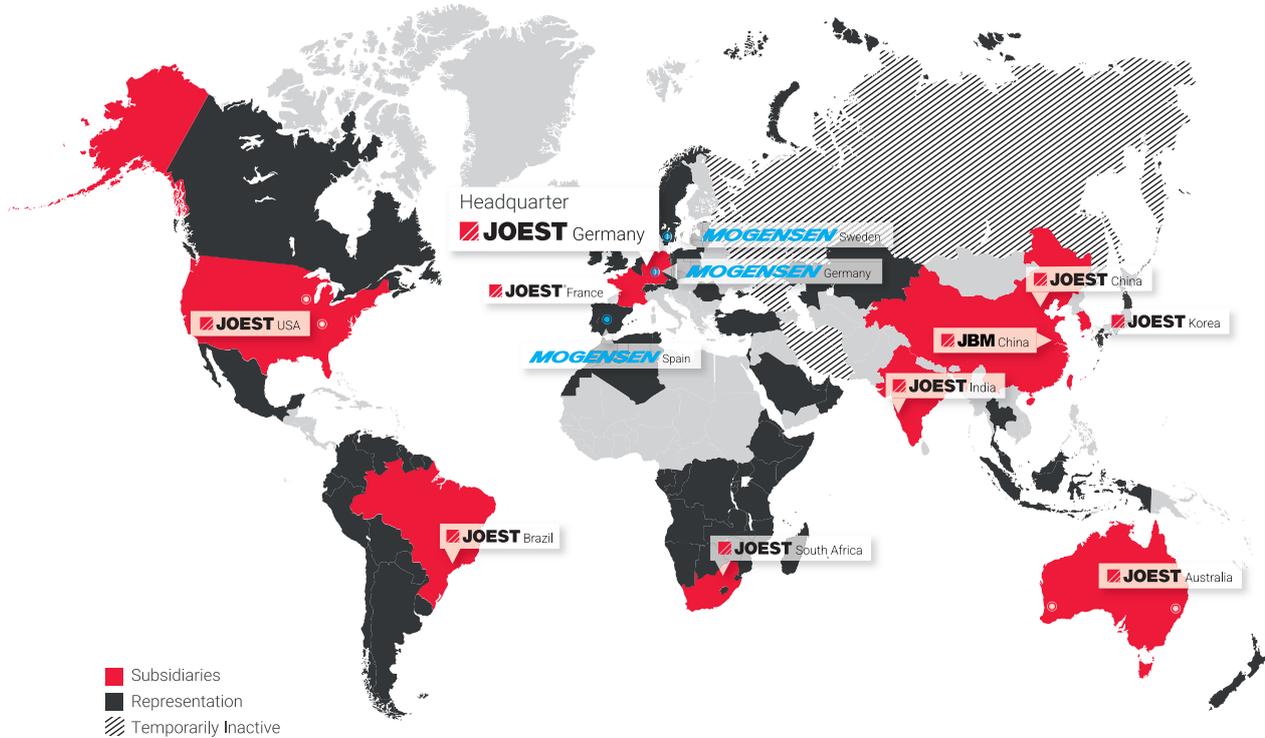
YOUR
PARTNER
FOR
**MINING &
MINERALS**



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JOEST group



WE BUILD SOLUTIONS.

Screening technology is at the heart of our product portfolio for industries surrounding primary raw materials.

Materials range from gravel and sand to coal and any type of ore. Our technology includes dry and wet processing. For challenging materials, we offer specialized machines such as the Flip-Flow Screen OSCILLA Classic or the Rod Screen GRECCO.

Our broad spectrum of products also includes feeders for crushers and the hopper discharge system EXTROVIB.

JOEST is a medium sized business that stands out with its high level of flexibility. Thanks to our experience in vibration technology and especially the creativity and innovative spirit of our engineers, we are able to fulfill almost every client demand.

“By coming to us, clients get everything from a single source: From sales and manufacturing to commissioning and after sales service.”

Dr. Marcus Wirtz, Managing Partner, JOEST group

CONVEYING & FEEDING

Discharging, conveying, feeding and dosing, as well as hopper discharge systems with small and large capacities. JOEST Vibrating Feeders with in-house drive technology are available in standard and custom configurations.

Unbalanced motors, exciters or magnetic drives – With a wide variety of drive systems, JOEST Drive Technology offers the ideal drive type and -power for every application.



HOPPER DISCHARGE

FEEDER **EXTROVIB**



VIBRATING FEEDERS

- ✓ Low wear
- ✓ High availability
- ✓ Customized to client demands

HOPPER DISCHARGE FEEDERS

- ✓ High discharge performance achievable
- ✓ Robust towards blockages
- ✓ Good adjustability of the material flow due to layer thickness slider





PRE-SCREEN **GRIZZLY**

- ✓ Undisturbed operation due to conically opening Grizzly elements
- ✓ Maintenance friendly design
- ✓ Self-cleaning of screen deck

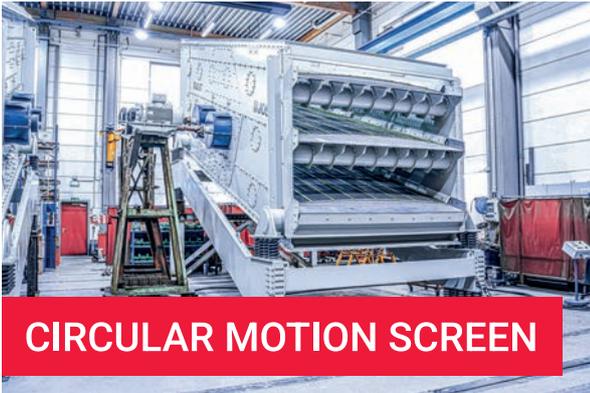
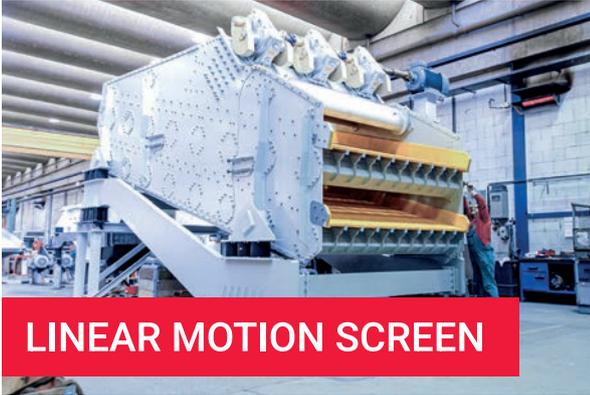
PRE-SCREENING

The screen decks and machine layouts of JOEST Pre-Screening are designed to be robust, corresponding to infeed rates and grain sizes. This guarantees maximal throughput rates with extremely durable machines.

The main focus is relieving the pre-crusher and ejecting poor quality material.

ROD SCREEN **STABROFIX**





CONVENTIONAL SCREENING

Screening is one of the most important steps in material processing and determines the quality of the product. For every application, the right vibrating screen type and vibrating screen media must be chosen. Starting with the relief of crushers or pre-screening up to fine screening and filler removal.

Circular Motion Screens are the most frequently used machines. Nearly clog-free screening with high throughput rates is key here.

Linear Motion Screens can be designed as plandecks or „Banana Screens“ with one or more screen deck angles. The main features are high throughput rates and precise separation cuts.

SCREENING CHALLENGING MATERIALS

Conventional drive technology combined with a flexible Finger Screen System can be used for wet and sticky materials.

Choosing the right Finger Screen System enables a near clog-free screening process under challenging conditions.

- ✓ Undisturbed operation due to elastic, from one side fixed screen rods
- ✓ Maintenance friendly design
- ✓ Self-cleaning screen



ROD SCREEN STABROFLEX

As part of the **OSCILLA Family** the **JOEST Flip-Flow Screen OSCILLA Classic** stands out with its well-proven design for screening challenging materials. The **OSCILLA Family** includes a large range of Flip-Flow Screens for various applications.

The screw-less fastening system for the screening media enables a very fast exchange of screening mats. Flip-Flow Screens are primarily used for materials that tend to clog or alternatively for filler removal.



FLIP-FLOW SCREEN

OSCILLA CLASSIC

- ✓ Low influence of heavy loads and robust design
- ✓ Screw-less fastening of screen mats



DEWATERING

To dewater bulk material, Linear Motion Screens are used with exciters or unbalanced motors. A variety of sizes and the implementation of backwall dewatering

enable highest efficiency and degree of dewatering.



DEWATERING SCREEN

- ✓ High degree of dewatering
- ✓ Durable screen mats made of PU material
- ✓ Robust, stable design for heavy loads

WET SCREENING / WASHING

Conventional screening technology combined with water spraying system enables screening and washing of bulk material for many different applications.

Maximal throughput rates and precise screening is made possible by a variety of machine sizes as well as different drive systems and adjustable spraying system.

- ✓ Optimal mixture of water and solids
- ✓ Alternative corrosion protection systems
- ✓ Robust, stable designs for high performance



WASHING SCREEN

AUTOMATION TECHNOLOGY

CONTROLS & REGULATION

- ✓ PLC by Siemens and Allen-Bradley
- ✓ Intuitive operation thanks to industrial HMI solutions
- ✓ Individual recipe management based on expert knowledge
- ✓ Modern drive technology and regulation procedures
- ✓ High process safety and traceability
- ✓ Control and monitoring of third-party systems

INDUSTRY 4.0

- ✓ Holistic monitoring of machine and plant parameters
- ✓ Remote maintenance and IoT Gateways
- ✓ Dashboard analysis and remote access
- ✓ Integration to higher order controllers or ERP-systems



AUTOMATION TECHNOLOGY

- ✓ State of the art electronic design with EPLAN P8
- ✓ Switch systems for extreme conditions (e.g. ATEX) or country specific standards (e.g. UL)
- ✓ Verified and validated security technology according to DIN EN ISO 13849-1 & 2
- ✓ Individual software services based on a proven standard
- ✓ Worldwide commissioning and training

MADE TO
MEASURE

We offer worldwide commissioning and training
with our own personnel that is well familiar
with the JOEST product lineup.

SYSTEM SOLUTIONS

- Holistic approach to processes and logistic
- Reduction of interfaces for clients
- Cross-functional collaboration between different establishments

STANDARDISATION

- Proven plant concepts for various applications
- Predefined and proven SPS operation
- Matrix of widths and heights for commonly used machines

DELIVERY PROGRAMM

SCREENING

- Dosing Vibrating Screen
- Dewatering Screen
- Finger Cascade Screen TopSpin
- GRIZZLY
- Pre-Screening
- Flip-Flow Screens OSCILLA Family
 - OSCILLA Classic
 - OSCILLA Combi
- Circular Motion Screen
- Linear Motion Screen
- Linear Motion Flip-Flow Screen
- Vibrating Screen with Magnetical Drive
- Rod Screen GRECCO
- Finger Rod Screen Stabrofix
- Finger Rod Screens Stabroflex

DOSING

- Small Screen
- Small Dosing Feeder

CHARGING & FEEDING

- Hopper Discharge Feeder
- Hopper Discharge System ExtroVib
- Hopper Discharge Device
- Small Dosing Feeder
- Vibrating Trough-Type Feeder
- Vibrating Tube-Type Feeder
- Spiral Elevator
- Resonance Conveyor
 - One-Mass-System
 - Mass Compensated
 - Two-Mass-System





A member of the
JOEST group

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