MOGENSEN SIZERS

Efficient.
Flexible.
Cost-effective.
High performance.

MOGENSEN

www.mogensen.es

A member of the JOEST® group

MOGENSEN

MOGENSEN Spain

A history of progress

Founded in 1966 by French engineers Gobil and Champanier, GOSAG SAU began an era of innovation in separation and classification technologies. Since its beginnings in Avilés (Asturias), where it initially manufactured under license MOGENSEN screens, sand washers, vibration feeders and densimetric separation tables, the company has been a benchmark of quality and technological progress.

The acquisition of GOSAG SAU by Allgaier in 2003 marked a new phase of expansion and technological upgrading, strengthening our position on the world market.

The merger with JOEST in 2023 and the transition to MOGENSEN Spain not only represents a union of local expertise with global reach, but also a milestone in our evolution, combining extensive know-how and cutting-edge technology.

We continually strive to exceed industry standards and innovate advanced technologies to address current and future challenges. Our passion for excellence and our commitment to sustainability and leadership in separation and sorting provide effective solutions.

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MOGENSEN SIZERS

Efficiency and Precision in Every Particle

Screening with a difference:
MOGENSEN SIZERS are the result of years of research and development in screening technology. Designed to maximize efficiency and accuracy, these sizers excel at screening materials of various particle sizes, providing an optimal solution for industries such as mining, recycling and processing of bulk raw materials.

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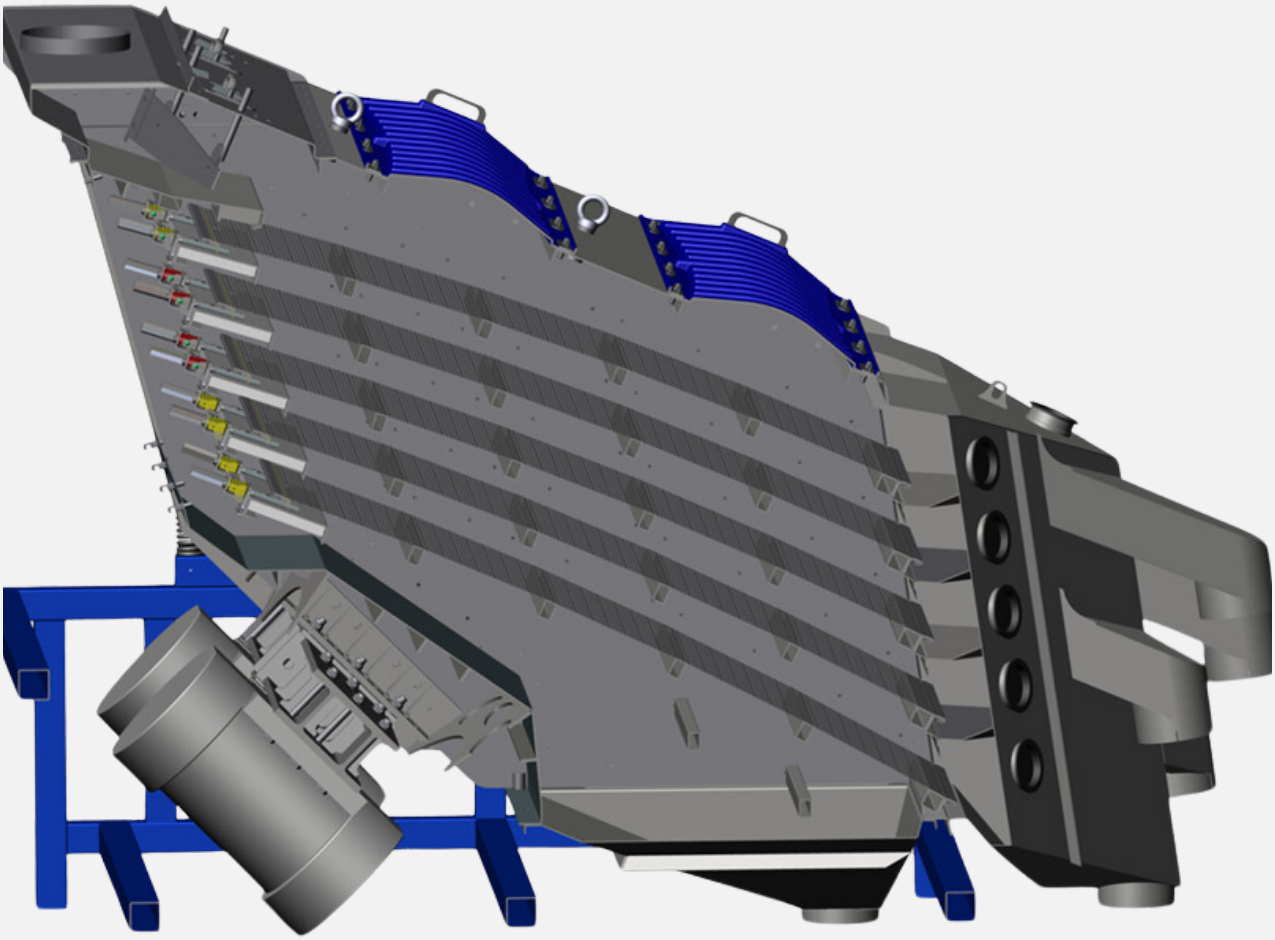
Unique Operation Technique

The MOGENSEN sizer uses up to 6 overlapping screening decks. The meshes are mounted on a metal body that is given variable vibration in amplitude and shape depending on the screening to be done, by means of one or two vibrators.

The mesh openings progressively decrease from the top deck to the bottom deck, allowing the material to flow quickly and vertically through the meshes, while the slopes of each deck increase to improve the cleaning of the fines. This achieves high capacities by obtaining up to 7 products. It also significantly reduces the blinding and wear that occurs in conventional screens, where the thick layer of material moves slowly through the length of the meshes.

This principle of operation increases efficiency and sizing capacity by increasing the range of difficult materials that can be successfully processed: fine, wet, sticky, etc.



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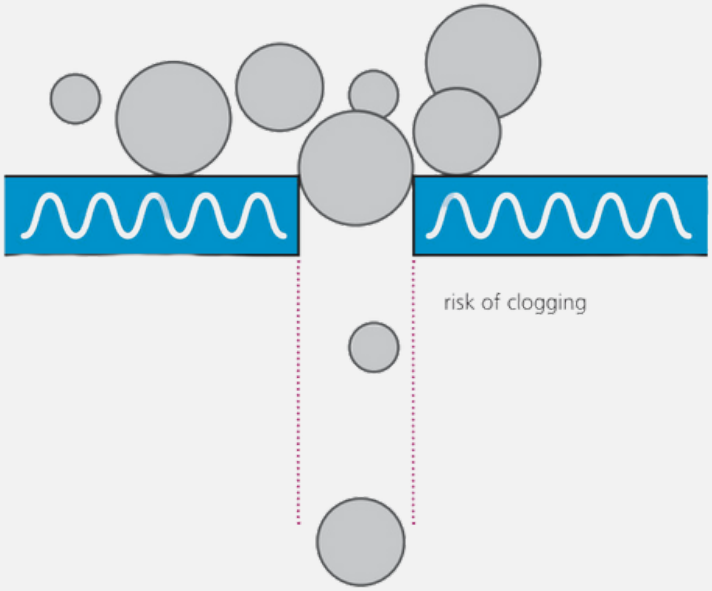
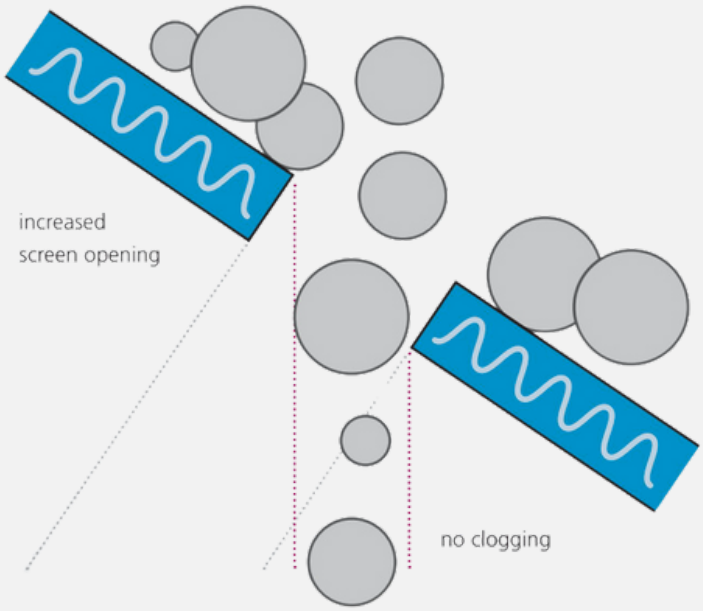
Conventional Screening Technology



Mogensen Sizer: The New Dimension of Screening



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RELIABLE AND ACCURATE SEPARATIONS

The principle of using decreasing and inclined meshes means that each particle is treated individually, ensuring high accuracy and high performance.

LARGE CAPACITY FOR ITS SIZE

Provides significant space savings. Capacity can be 10 times bigger than a conventional sizer in terms of occupied space.

SMALL, LIGHTWEIGHT AND EASY TO INSTAL

Simplifies the required structure, saving weight and cost. The compact design eliminates the external gears and drives required by conventional sizers. All moving parts can be disassembled by a single operator.

EASY MAINTENANCE

A simple but effective method of fixing and tensioning meshes allows for significant maintenance savings. Time required for mesh replacement is about 10-15 minutes

LOW POWER CONSUMPTION

The Mogensen screening concept results in energy savings. There is no thick layer of product over the meshes, so machines are small. This reduces the required vibration power. Installed power ranges from 0.5 to 15 kW.

SILENT OPERATION

The noise level is especially low when the machine is careened.

SAVINGS IN INVESTMENT

The compact design of the machine keeps installation and investment costs low.

PROCESS FLEXIBILITY

The machines are easily adaptable to different industrial requirements and process modifications.

DUST-TIGHT ENCLOSURE DESIGN

The covers, inlets and outlets are designed to work together to create a dust-tight machine. The covers are secured with wedges for quick access.

NO AGGLOMERATION

The agglomeration problems associated with conventional sizers are virtually eliminated by the design of our sizer. The Mogensen Sizer can handle moist and wet materials better than conventional sizers.

Functionality

The combination of widths with a wide range of accessories and tools makes MOGENSEN sizers the most flexible and versatile equipment on the market, always able to adapt to your needs.

ACCESSORIES

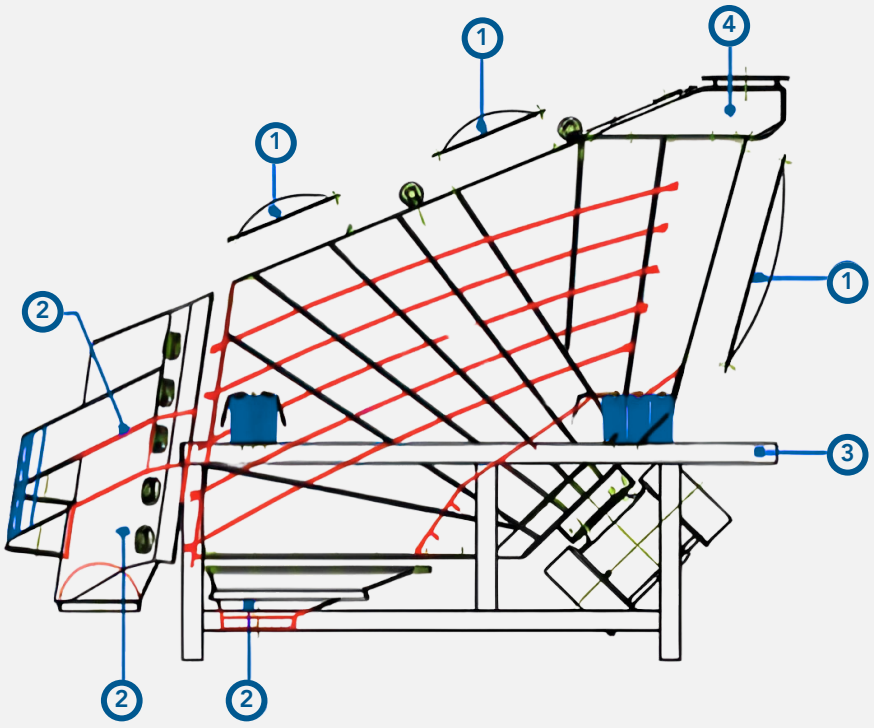
1. Dust covers
2. Trays and outlets
3. Support structure
4. Feed inlet

Other accessories:

- Anti-vibration frame
- Electrical cabinets and vibrator protection
- Breaker modules
- Outlet coating (rubber, wear resistant or non-stick material)

SPECIAL DEVICES

- Irrigation system for wet screening sizing: Consisting of a washing ramp and showers on meshes.
- Cleaning system by:
  - Bouncers
  - Electrical heating of screen meshes for wet and sticky materials.
  - The system is fully integrated into the sizer.
  - Pneumatic mesh distension system.
- Divergent (divergator) or parallel bar systems used for pre-screening to avoid possible entrapment of irregularly shaped particles.



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Models

Faced with the growing demands of the market in terms of the quality of the materials to be produced, MOGENSEN has developed different devices, result of constant research.

The Mogensen Compact, with a single vibrator, emerges as an improvement of the old type S versions (2 vibrators and short mesh of 1300 mm). This model has a variable elliptical movement along the mesh point that increases the sorting efficiency, relative to that of S sizers, allowing it to reach the best industrial applications requirements.

Mogensen SEL model doubles mesh length, increasing capacity significantly, while ensuring sorting efficiency achieved in type E sizers,as confirmed by the resultsobtained in the installed sizers.

SEL SIZER

The SEL model has the versatility to handle large volumes of material, ideal for high throughput applications.

TYPE	WIDTH	LENGTH	HEIGHT
SEL 1036	1440	3250	2050
SEL 1046	1440	3350	2300
SEL 1056	1440	3650	2550
SEL 1536	1935	3350	2150
SEL 1546	1935	3450	2400
SEL 1556	1935	3750	2650
SEL 2036	2450	3650	2400
SEL 2046	2450	3800	2650
SEL 2056	2450	4100	2900
SEL 2066	2450	3550	2825

COMPACT

With a focus on energy efficiency, the MOGENSEN Compact model combines performance and sustainability, suitable for processes that seek to optimize energy consumption.

TYPE	WIDTH	LENGTH	HEIGHT
051X	890	1960	1030
052X	890	2040	1265
053X	890	2110	1540
054X	890	2280	1800
055X	890	2580	2000
101X	1390	1980	1120
102X	1390	2170	1365
103X	1390	2240	1615
104X	1390	2340	1880
105X	1390	2650	2130
151X	1885	1960	1205
152X	1885	2290	1450
153X	1885	2330	1705
154X	1885	2420	1980
155X	1885	2750	2255
201X	2400	2180	1460
202X	2400	2630	1705
203X	2400	2650	1950
204X	2400	2780	2205
205X	2400	3000	2510

Industrial Test Plant

MOGENSEN process engineers analyze your product properties and characteristics to compare them with the process requirements. Tests are then performed on the original material until the desired results are achieved.

Test reports and technical conclusions will help you to get the best equipment or process solutions.

The MOGENSEN Test Center is also able to provide testing services according to customer requirements, including product and process development, as well as the ability to process small batches of your material.

Some references of treated products

Fertilizers	Ashes	Gravel	Cement
Citric acid	Fire clay	Flours	Feeds
Tartaric acid	Chocolate	Iron	Pyrite
Cornstarch	Calcium chloride	Hard coal	Slate
Alumina	Potassium chloride	Potash lignite	Wood dust
Aluminum	Coke	Woods	Refractories
Anthracite	Cobalt concentration	Magnesite	Common salt
Clays	Cork	Magnetite	Mustard seed
Sands	Corundum	Corn	Sepiolite
Oats	Quartzite	Marble	Sawdust
Sugar	Detergents	Mica	Silicate
Sulfur	Solomite	Microsilice	Silica
Baryte	Dunite	Ammonium nitrate	Sinter
Bauxite	Slags	Npk	Crushed siporex
Dry Bentonite	Feldspar	Ofita	Potassioun sulphate
Lime	Ferroalloys	Olivine	Inflated wheat
Limestone	Fertilizers	Marc	Crushed glass
Kaolin	Phosphorite	Lead oxide	Chips
Carbonates	Shredded rubber	Magnesium oxide	Plaster
Calcium carbide	Granite	Pellet	Plastic chippings
Cassiterite	Metal granulates	Pentaerythritol	Perlite
Catalysts	Polyethylene granules	Perborate	

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