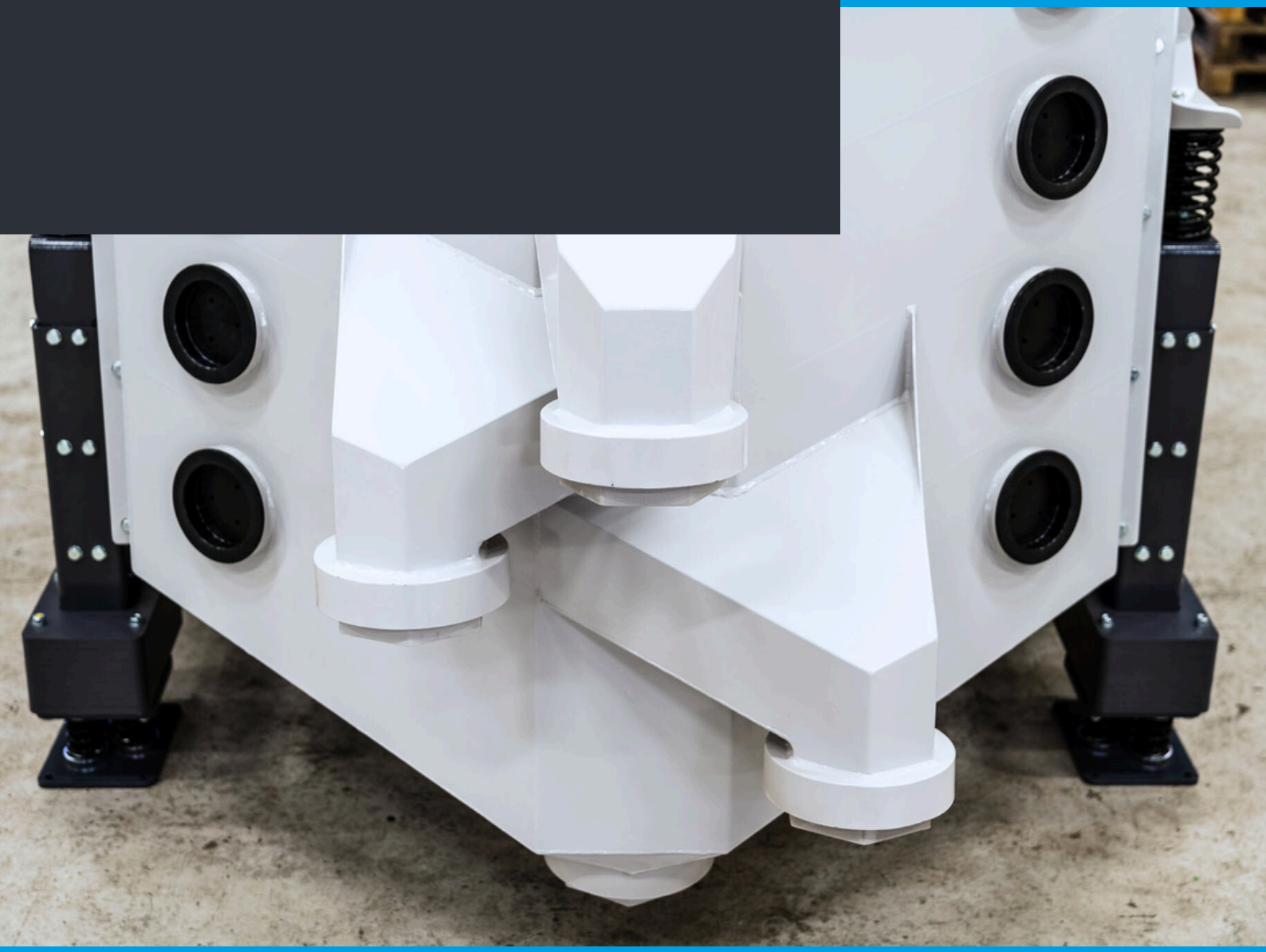
MSizer Compact

High capacity on a small footprint



MOGENSEN



Economical. Efficient. Environmentally Friendly.

With the new MSizer, the MOGENSEN pushes bulk material screening into a new era.

The MSizer models are based on the same Sizer principle developed and proven by Fredrik Mogensen more than five decades ago. They combine state-of-the-art technology with years of extensive knowledge and expertise.

The result is an even more accurate screening process with increased throughput in a smaller footprint.

MOGENSEN

STRONG PERFORMANCE

Increased material throughput with small space requirement. High process flexibility and reliability. High grading quality for excellent process results.

HIGH EFFICIENCY, SIGNIFICANTLY REDUCED OPERATING COSTS

Reduced energy consumption. Reduced total cost of owndership (TCO). Long-term investment security through high durability.

MAXIMUM FLEXIBILITY

Customized to specific requirements. Extensive accessory. Standardized transport dimension. Optimized hexagonal outlet hoods.

MAXIMUM PLANT AVAILABILITY

Low clogging risk through Sizer principle. High lifetime of the screen coverings. Long-term testing under maximum load. Maximum operational safety by FEM-optimized, heavy-duty construction.

EXTENSIVE ACCESSORY

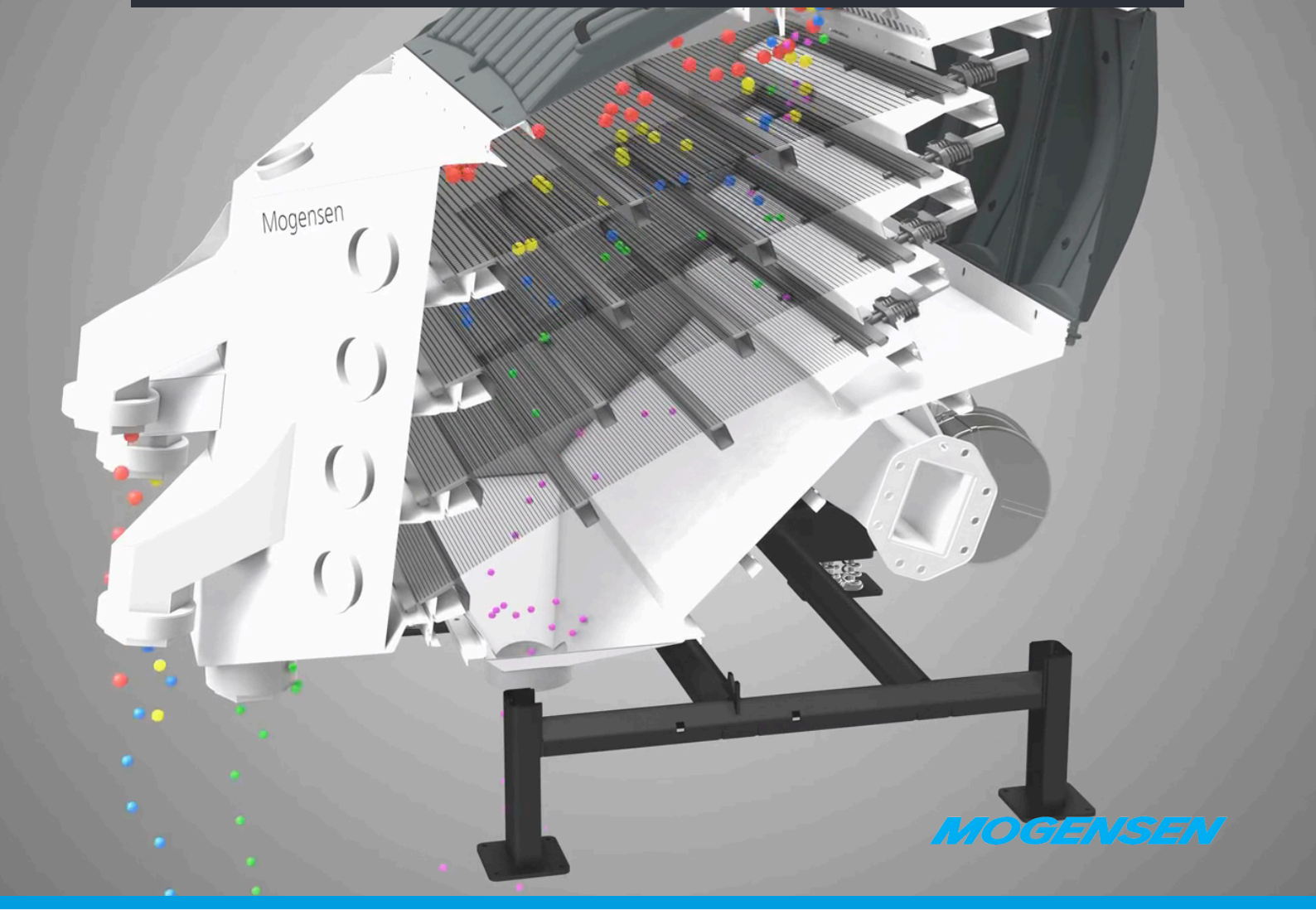
Mechanical screen cleaning. Screen deck heating. Screen tension monitoring. Insulation frame.

Functionality

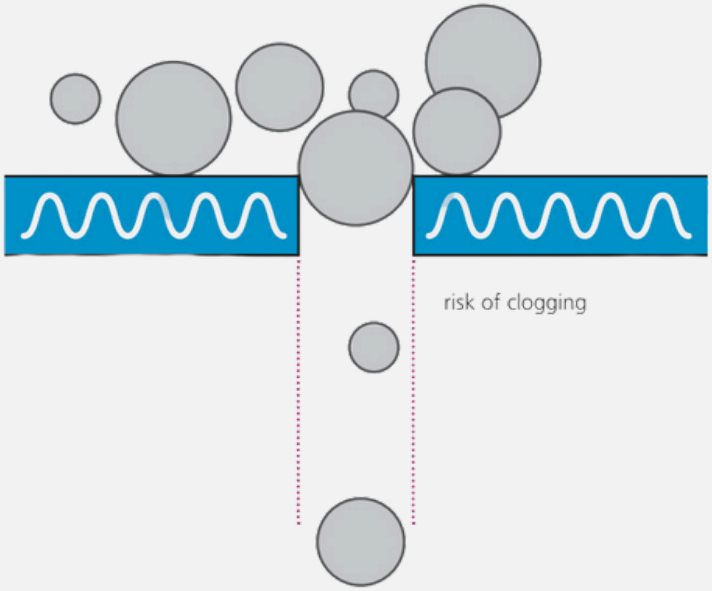
The MSizer family is the most powerful and versatile classifier machine according to the Sizer principle. The machine combines economic and operating efficiency benefiting from a new screen deck concept with a modified angle of inclination of the screens. The one to six screen decks of the MSizer considerably reduce screen replacement times thanks to the fast screen changing mechanism.

The MSizer extend screen decks move in a linear oscilla- tion pattern and in the newly designed MSizer compact the screen deck movement is elliptic. Both with the precisely adapted oscillation and elliptic range, the fine grain of the feed material quickly flows, almost vertically downwards, while the coarse grains are efficiently screened from the material stream. Clogging is effectively eliminated with a significantly increased throughput.

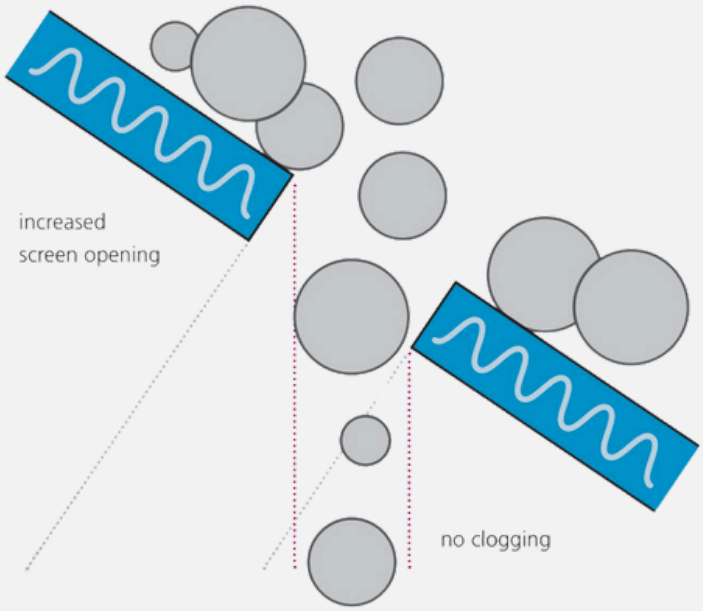
Unlike conventional flat screens, the mesh sizes of the MSizer are designed to be larger due to the optimized screen inclination which promotes superior grading quality. The increased mesh size – compared to the separating cut – counteracts the formation of material layers and clogging, leading to a significantly higher throughput and service life of the screen linings.



Conventional Screening Technology



MSizer Compact: The Innovative Sizer Principle



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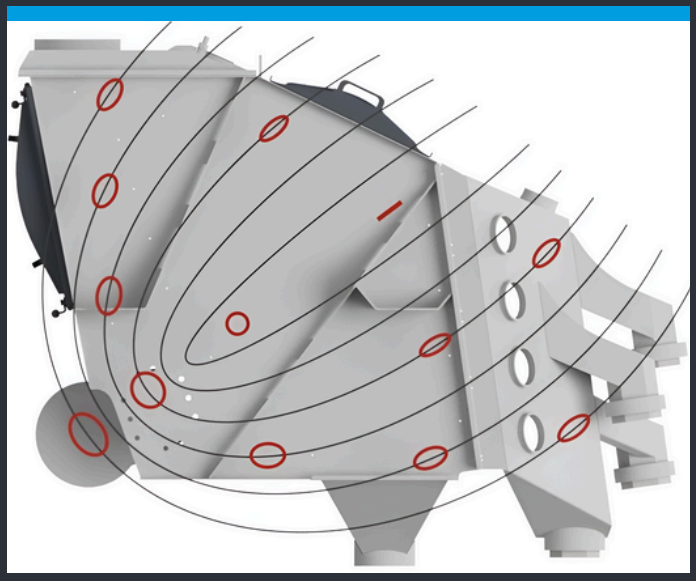
The Mogensen Sizer principle

For the development of the new MSizer Compact, the latest development methods have been used to optimize the design. A finite element analysis of structural obstacles were simulated with virtual prototypes and thoroughly tested while under continuous operation.

The MSizer Compact is the new generation of Sizer that drastically minimizes the risk of failure, ensuring safe and trouble-free production in all areas of operation.



Newly defined with modern methods



The MSizer compact is driven by a single vibrator resulting in the typical elliptical motion pattern that counteracts blinding of the screens and loosens and stratifies the feed material. This secures an efficient material spread. Thus the MSizer compact achieves a throughput of over 40 t/h e.g. for feed screening.

It is often used in the feed and food industry, but is also regularly used successfully for other industrial applications.

Options

- ATEX version – Use in a potentially explosive plant environment
- Industrial or stainless steel
- Motor and brake control system
- Electronic machine monitoring system
- Integrated material distribution system
- Mechanical screen cleaning system
- Pneumatic screen cleaning system
- Screen tension monitoring system



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MSizer Compact in operation

MSizer can be used in almost all industrial sectors. Decades of Sizer experience, in combination with the new features of MSizer Compact, ensure long-term confidence in your investment.

THE CORRECT SIZE FOR YOUR APPLICATION

MSizer Compact, with screen length 1,3 m and machine widths between 0,5 m and 2 m allow for the ideal configuration for every application.

The machine size depends on the type of infeed material, the desired grain sizes and the process related feed rate.

Due to the multideck construction, the machine sizes are significantly smaller than in conventional screening machines.

ADVANTAGES

- Very compact design size
- High process flexibility
- Simple and safe handling
- High availability
- Innovative accessory

OPTIONS

- Screen tension monitoring
- ATEX design
- Mechanical screen cleaning
- Insulation frame

MSizer Compact Features

Design	C
Movement	Elliptic
Effective screen length	1.3 m
Sreen deck width	0.5/1.0/1.5/2.0 m
Number of screen decks	1 - 4
Number of motors	1

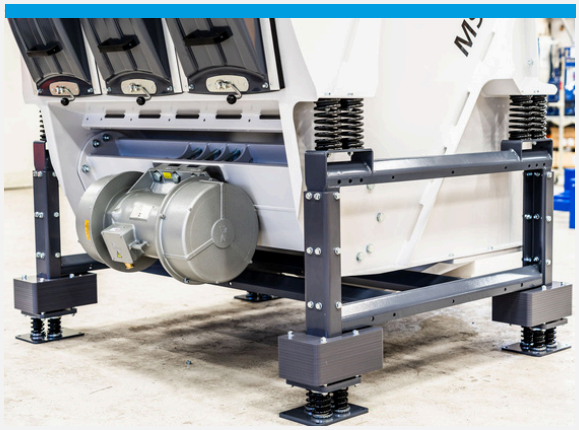
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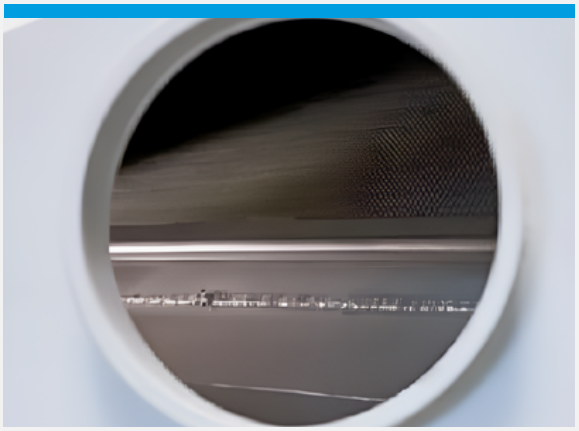
Screen tensioning unit



Single motor | Elliptic movement



Optimized outlets



In-line visual check



Superior manufacturing quality



Easy operator access

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Unlimited Application Range

Stones & soil

- sand
- gravel
- chalk
- basalt
- limestone

Metallurgy

- iron ore
- nickel ore
- manganese
- aluminum oxide
- fly ash

Foodstuffs

- sugar
- cocoa beans
- milk powder
- flour from fish and meat
- tobacco
- salt

Fodder

- animal feed
- grain handling
- mineral handling
- security screening

Chemicals

- fertilizer
- titanium dioxide
- zinc sulfate
- cupric sulfate

Mining

- coal
- coke
- anthracite

Ceramics

- bentonite
- silicium carbide

Waste/recycling

- glass
- organic residual
- waste plastic granules

Wood/particle boards

- wood shavings
- wood flour
- sawdust

Others

- plastics
- pharma
- biofuels/pellets

... and many other solid bulk materials



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TESTING FACILITY

Where Innovation and Real Life Intersect

The MOGENSEN Test Facility is where advanced technology meets practical application. Here, our customers experience first-hand how our advanced equipment handles different materials and delivers consistent, streamlined results.

This space, equipped with the latest technology and operated by professional technicians, demonstrates the capabilities of our machines and reflects our commitment to quality and continuous technological advancement, ensuring that every solution far exceeds the requirements of the real world landscapes.



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