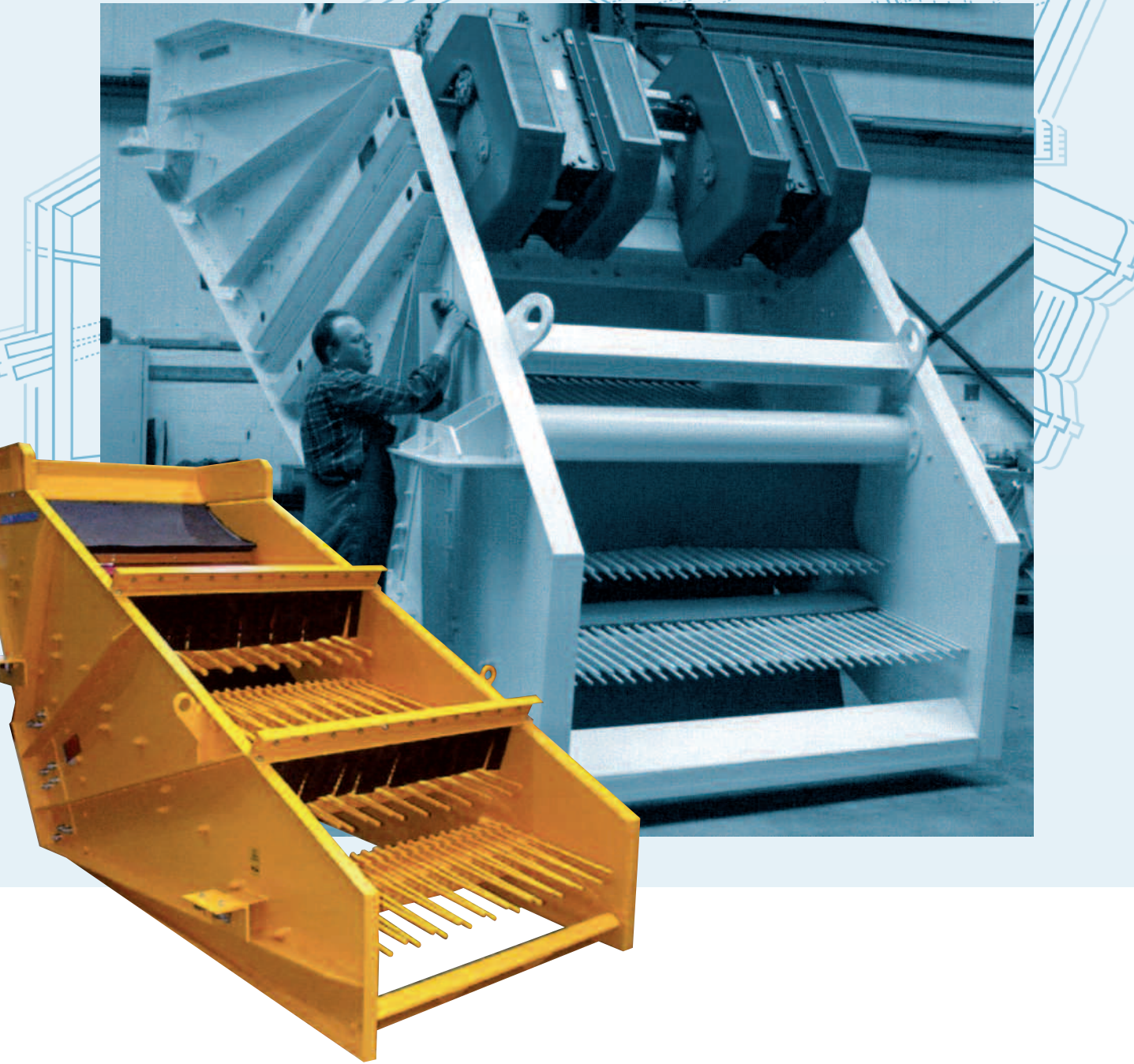


For screening

# BAR SIZER and VIBRATORY BAR SIZER



## BAR SIZER

### Typical applications

- ▶ Armor stones
- ▶ Basalt
- ▶ Blast furnace slag
- ▶ Broken-up road surface
- ▶ Building rubble
- ▶ Coal
- ▶ Contaminated soil
- ▶ Dolomite
- ▶ Excavated material
- ▶ Granite
- ▶ Gravel
- ▶ Gray wacke
- ▶ Iron ore
- ▶ Limestone
- ▶ Marble
- ▶ Pit-run gravel
- ▶ River gravel
- ▶ Rock salt
- ▶ Stockpiled material
- and many other applications!



### Data and facts

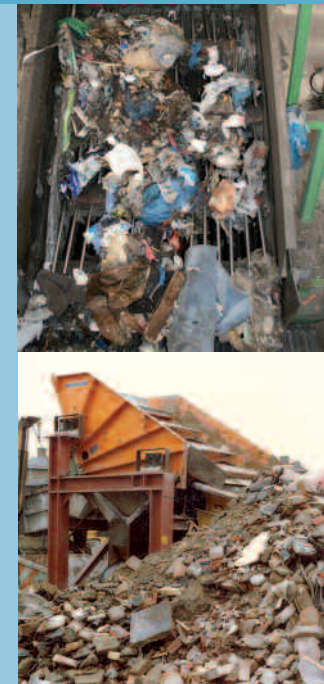
- ▶ Easy, effective coarse separation for high material throughputs
- ▶ Feed capacity to 1500 t/h
- ▶ Separating range from 50 to 400 mm
- ▶ Particle sizes to 1000 mm
- ▶ Particle weights to 3 t
- ▶ No jamming of material pieces
- ▶ Blockage-free function
- ▶ Without drive
- ▶ No energy costs
- ▶ Low maintenance
- ▶ Installation is possible in semi-mobile and stationary plants
- ▶ Long service life of the bars
- ▶ Simple, robust, trouble-free

Standard dimensions:  
Models in widths ranging from 1.0 m, to 6.0 m.  
Special designs are possible!

## VIBRATORY BAR SIZER

### Typical applications

- ▶ Alternative fuels
- ▶ Blast furnace slag
- ▶ Blocks of clay
- ▶ Building rubble
- ▶ Commercial waste
- ▶ Compost
- ▶ Contaminated rubble
- ▶ Domestic waste
- ▶ Excavated material
- ▶ Granite chips
- ▶ Harbor sediment
- ▶ Hard coal
- ▶ Limestone
- ▶ MSW slag
- ▶ Phosphate
- ▶ Pit-run gravel
- ▶ Raw gravel
- ▶ Recycling material
- ▶ Refuse incineration slag
- ▶ Scrap metal
- ▶ Sewage sludge
- ▶ Tree bark
- ▶ Waste material
- and many other applications!



### Data and facts

- ▶ For solid and solid/fluid material throughputs that are difficult to screen.
- ▶ Also suitable for bulky pieces of material and cohesive materials
- ▶ Feed capacity to 1200 t/h
- ▶ Separating range between 10 and 200 mm
- ▶ Blockage-free operation
- ▶ Low maintenance operation even in continuous use
- ▶ Favorable energy/performance ratio
- ▶ Actuation via unbalanced motors or exciter units
- ▶ Dust cladding possible
- ▶ Low total weight
- ▶ Compact design
- ▶ Product-specific structural shapes available

Standard dimensions:  
1.0 m, 1.5 m, 2.0 m and 2.5 m width.  
Special designs are possible!

All over the world sizer plants by Mogensen are recognized for their simple and effective screening. The combination of innovative technology, know-how, competence, creativity, and service is the key to a cost-effective optimization of your production quality.

**Tell us your screening problem, we have the solution.**

**MOGENSEN**  
Member of the ALLGAIER-Group

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# BAR SIZER

The Bar Sizer is the absolutely reliable solution for coarse separation. The construction is extremely robust. Every Bar Sizer from Mogensen guarantees trouble-free operation – over the long-term, free of charge: Without energy or maintenance costs.

## A convincing principle

The principle is simplicity itself: The bars are mounted on one side and they diverge. As the material throughput increases the passage opening to the discharge enlarges. The effective vibratory behavior of the individual bars ensures separation – without material obstructions.

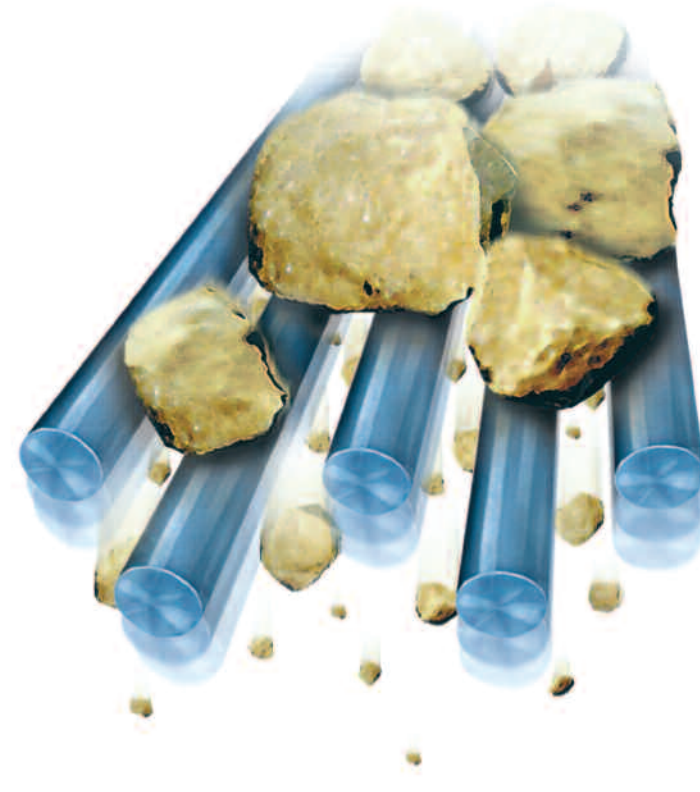


## Service

Mogensen engineers work out system solutions for you that take your determining factors into consideration. 40 years of process engineering experience and our proven technology guarantee competence and know-how for your application.

In the Mogensen Technical Center we conduct screening trials with your material on machines used in practice. This guarantees technology that matches your specific application and optimum performance of your machine.

Bar Sizer and Vibratory Bar Sizer are a strong team. First the Bar Sizer separates coarse material, then the Vibratory Bar Sizer ensures finer separation in multiple fractions.



## The advantages:

- ▶ With the Bar Sizer and Vibratory Bar Sizer the vibratory behavior of the bars ensures blockage-free separation of heaped material.
- ▶ The profile as well relative bar spacing and angles determine the flow behavior and the separating cut.
- ▶ The bars are made of wear-resistant special steel.
- ▶ All bars can be rotated and turned individually. This increases the service life.
- ▶ On request bar spacing and thus the separating cut can be infinitely adjusted.



# VIBRATORY BAR SIZER

The Vibratory Bar Sizer separates difficult-to-screen, highly-polluted material throughputs. In addition to the Bar Sizer's patented operating principle, bars mounted on one side are arranged in a vibrating swing frame. Actuation is provided by two low-noise unbalanced motors for light models, for heavy models actuation is provided by exciter units.

## Effective separation

The combination of vibratory machine and cascading bars guarantees the effective separation of the bulk material without any sticking, catching or blocking – even with bulky pieces of material, cohesive products, or rags, wires, foils, etc. in the material throughput.

## Special solutions

If a precise separating cut must be achieved even though difficult to screen pieces of material are present, we have the special solution. The Combination Sizer with bar systems in the upper area and screen mesh in the lower area.

## Function

