



MOGENSEN

Allgaier-Group

Mogensen Sizer



ALLGAIER
PROCESS TECHNOLOGY

MOGENSEN

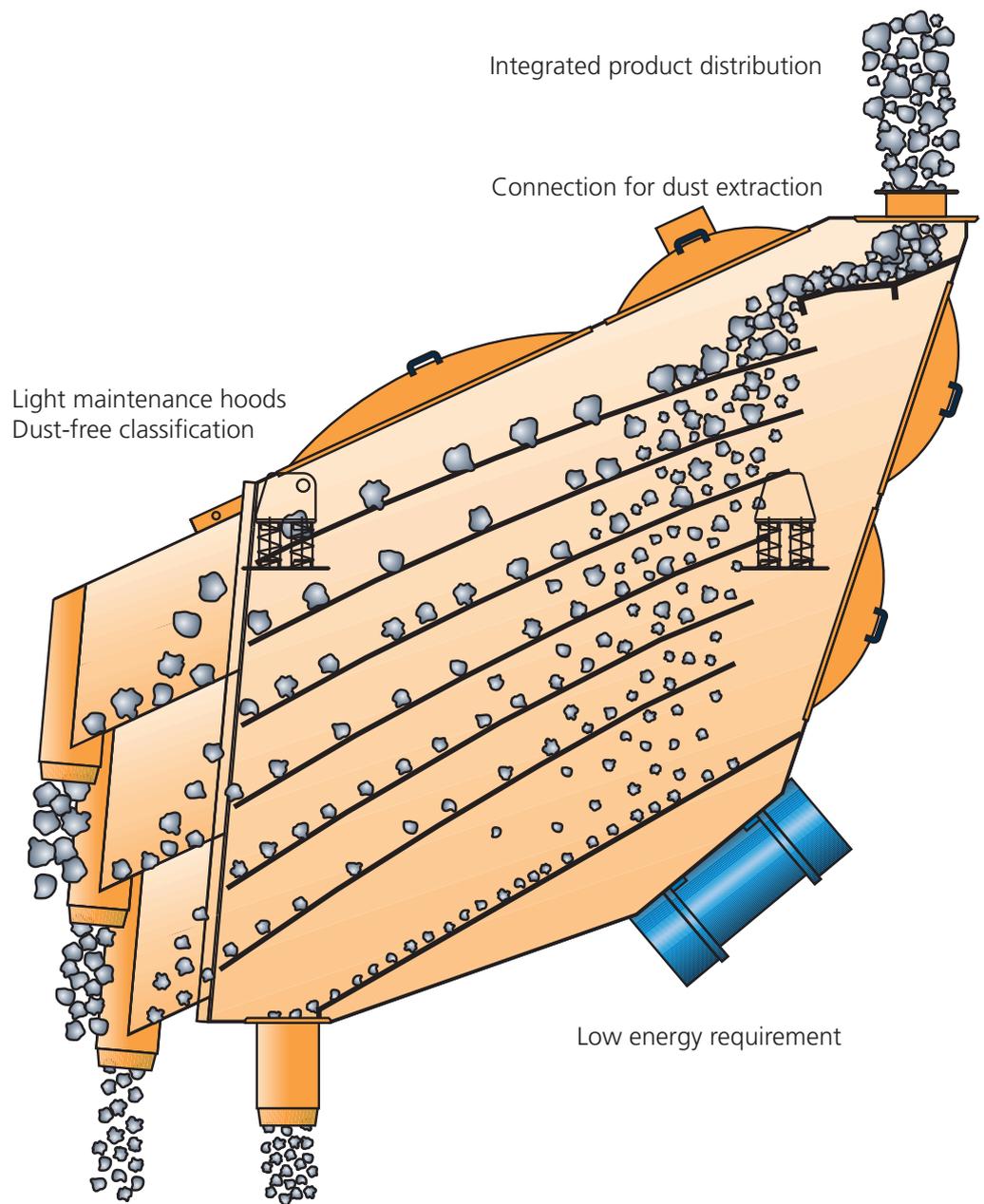
GOSAG

MOZER

ALMO

The Mogensen Sizer

The Mogensen Sizer is a powerful and flexible classifying machine with a high level of cost effectiveness. For more than 50 years since the patent was registered, the technology of the Mogensen Sizer has been continuously further developed, adapted to the growing requirements of our customers and proven in more than 10,000 manufacturing plants.



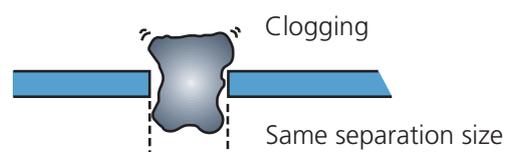


Mogensen Sizer SL 1566 and SL 3068 for screening of white sugar into 6 individual fractions plus scalping of nibs.

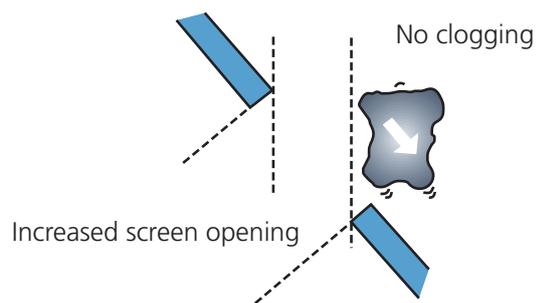
Effective principle of operation

The Mogensen Sizer® system consists of 2 to 6 superimposed screen decks at different angles; moving downward the mesh widths become finer with each successive screen deck. The maintenance-friendly screen decks are placed in vibration in a compact housing by motor vibrators or exciter. Coarser grains are screened out of the material flow while the finer grains of the feed material immediately flow almost vertically through the coarse meshes of the upper screens. Due to the screen surfaces' varying angles of incline, their openings have the effect of a smaller mesh. Consequently in comparison to conventional flat screens, unusually large mesh widths can be selected, and still provide just as good separating resolution. Separating different grain sizes out of the material flow, and the greater mesh widths of the screen surfaces, relative to the separation grain not only prevents carrot particles and layers of material from forming on the screen surfaces but also ensures high throughput performance, in addition to extremely long service life for the screen surfaces.

Screening technology



Mogensen Screening Technology





High cost effectiveness

- Low energy requirement
- Compact construction
- Light steel constructions
- High operating safety
- High throughput performance
- Minimum maintenance costs
- Product-safe screening
- Long mesh life
- Rapid screen change
- Up to 7 product fractions in one pass
- Advantages of the “Building block” system when modifications are needed
- Simple modification of accessories

*Mogensen Sizer SC 1046
for treatment of broken dolomite in a highly
wear-resistant design*

*Mogensen Sizer SC 2046
for the chemical industry*

Control system and monitoring

- Motor- and brake control
- Electronic machine monitoring

Accessories for difficult-to-screen products

- Integrated product distribution
- Mechanical screen cleaning
- Pneumatic screen cleaning
- Screen tension monitoring
- Electric heating





*Mogensen Sizer SC 3068
with transverse distribution feeder for treatment
of sand for renders and mortars*



*Mogensen Sizer SH 1046
in a short and open design for treatment
of broken limestone*



Service

More than 45 years of screen engineering experience and our proven technology guarantee competence and industry-specific know-how for your application. Individual consulting and tailor-made configuration and planning ensure an optimum solution for your screening problems. In our Mogensen Technical Center we conduct screening trials with your material on machines used in practice. This guarantees matching your specific application and optimum performance.

Screening tests in our own test laboratory

For fast delivery we maintain a large inventory of screen mesh and spare parts.

- Spare parts and wear parts in original quality and thus security for your machine.
- A spare parts concept that is tailored to meet your particular requirements - spare parts and wear parts without a wait time!

As a Mogensen customer you benefit not only from the technical advantages of the high-quality screening and sorting machines.

You also benefit from the outstanding quality of our service. Maintenance, service or required repairs are executed professionally and quickly throughout the world.

Sizer Modules



Sizer SZ
0.5 m screen width
3–6 screen decks
each 1.3 m long



Circular Motion Sizer SG
1–1.5 m screen width
2–4 screen decks
each 1.3 m long



Sizer SH
1–1.5 m screen width
2–6 screen decks
each 1.3 m long



Sizer SK
Heavy model for robust use
1–2 m screen width
3–6 screen decks
each 1.3 m long



Sizer SC
Optimised model
1–3 m screen width
2–6 screen decks
each 2.4 m long



Sizer SL
Heavy model for harsh applications
1–3 m screen width
2–6 screen decks
each 2.4 m long

Typical applications

- Almonds
- Alternative fuels
- Alumina
- Aluminium chloride
- Aluminium nitrate
- Aluminium oxide
- Aluminium silicate
- Aluminium sulphate
- Aluminium swarf
- Anhydrous lime
- Animal feedstuff mixture
- Animal feed pellets
- Anode residues
- Anthracite
- Argillaceous shale
- Armor stones
- Ashes
- Asphalt, crushed
- Bakelite
- Barium carbonate
- Barley
- Basalt
- Bauxite
- Bauxite earth
- Beet slices
- Blast furnace slag
- Bonemeal
- Borax
- Bran
- Brick chippings
- Building rubble
- Calcium cyanamide
- Calcium salt
- Cane sugar
- Cast iron chips
- Cereals
- Cement
- Cement clinker
- Chalk
- Charcoal
- Chrome ore
- Clay
- Clinker
- Cloves
- Coal
- Coal slack
- Cocoa beans
- Cocoa powder
- Coffee beans
- Coffee powder
- Coke
- Commercial waste
- Compost
- Compound feed
- Contaminated soil
- Copper ore
- Copper sulphate
- Cork
- Crushed concrete
- Crushed rock
- Diacalcium phosphate
- Disodium phosphate
- Dolomite
- Domestic waste
- Excavated material
- Feldspar
- Fertiliser
- Fireproof clay
- Fish meal
- Flour
- Fluorspar
- Fly ash
- Foundry sand
- Glass
- Granite
- Granulate
- Gravel
- Gray wacke
- Grit
- Ground basic slag
- Gypsum
- Harbor sediment
- Hard coal
- Herb mixtures
- Icing sugar
- Iron ore
- Iron oxide
- Kainite
- Kaolin
- Kieselguhr
- Lactose
- Lava sand
- Lead oxide
- Lignite
- Limestone
- Lime hydroxide
- Lime sandstone
- Magnesite
- Maize
- Malting barley
- Manganese ore
- Marble
- Marl
- Milk powder
- Multicellular glass
- Natural pumice
- Nuts
- Oats
- Oil-bearing seeds
- Peanuts
- Peat
- Pellets
- Petroleum coke
- Phosphate
- Pit-run gravel
- Plastic flakes
- Portland cement
- Potassium carbonate
- Potassium chloride
- Potassium salt
- Potato starch
- Pumice stone
- PVC
- Quartz
- Quartz sand
- Raw coal
- Refuse incineration slag
- Rice
- Rock salt
- Rubber
- Rubble
- Rye
- Saltpetre
- Salt
- Sand
- Scrap glass
- Scrap metal
- Sea salt
- Sewage sludge
- granulate
- Shell limestone
- Silicon
- Silicon carbide
- Sinter
- Slate
- Sodium bicarbonate
- Sodium carbonate
- Soja beans
- Starch
- Sugar
- Sugar candy
- Talcum
- Titanium dioxide
- Tobacco
- Wheat
- Whole hazelnuts
- Woodchips
- Wood flour
- Wood pellets
- Wood shavings
- Zinc ore
- Zinc oxide



Screen tension monitoring



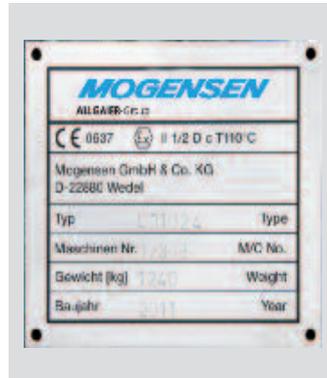
Exciter with dismantled protective cover



Captive wedge connections



Pneumatic screen cleaning



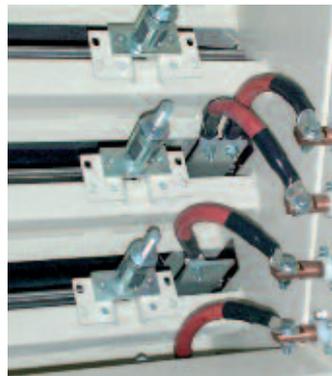
ATEX-conformant design



Control cabinet for motor and brake controller



Mechanical screen cleaning



Screen heating system



Machine monitoring

Mogensen is known worldwide for trouble-free and effective screening. The combination of innovative technology, know-how, competence, creativity, and service is the key to cost-effective optimisation of your product quality.

Tell us your screening problem, we have the solution.

Mogensen GmbH & Co. KG

Kronskamp 126 · 22880 Wedel · Germany
 Phone + 49 4103 8042-0 · Fax + 49 4103 8042-40
 info@mogensen.de · www.mogensen.de

