PRECISION EQUIPMENT FOR DRY AND WET BULK MATERIAL PROCESSING

Screening. Separation.
Sludge Management.



MOGENSEN

MOGENSEN TECHNOLOGY

Engineered Material Control Since 1966

From fine powders to heavy fractions, MOGENSEN equipment handles screening, dry separation, and washing with reliability, low OPEX, and reduced footprint.

Core Technologies:

- MSizer: Multi-deck screening (0.2–150 mm)
- GSort: Dry separation by density
- Sand Washing: Hydro-cyclone based systems
- Feeders & Distributors: Homogeneous flow to screens



MOGENSEN MSizer

Multi-Deck Sizing for Demanding Applications

Up to 6 decks with linear or elliptical motion, the MSizer range covers fine to coarse screening in food, recycling, and minerals.

Benefits:

- Precise cuts: 0.2 to 150 mm
- Up to 7 fractions in one pass
- 15–55% energy savings vs. conventional screens
- Quick deck changeover in 10–15 min



MSizer COMPACT



SEL SIZER



MSizer EXTEND



MSizer DOUBLE CAPACITY

GSort DENSIMETRIC TABLE

Dry Separation by Density
No Water Required

GSort R and M models separate by particle density using controlled fluidization and vibration.





GSort R

For light, fibrous, and organic fractions. Optimal for compost, RDF, and flexible films.

- Fluidization speed: < 3 m/s
- Density: < 1.7 t/m³
- Particle size: < 35 mm
- Typical throughput: 13 t/h·m
- Energy: 1.75 kWh/t

Applications:
Compost, RDF, PET-film, vermiculite, glass-organics

Available models:
R50 / R100 / R150

GSort M

Built for heavy-duty, high-density mineral fractions.

- Fluidization speed: > 4 m/s
- Density: > 1.3 t/m³
- Particle size: > 25 mm
- Reinforced frame for abrasion loads
- Low-wear deck design

Applications:
Coal, barite, manganese, demolition waste, aluminum scrap

Available models:
M50 / M100 / M150

SAND WASHING SYSTEMS

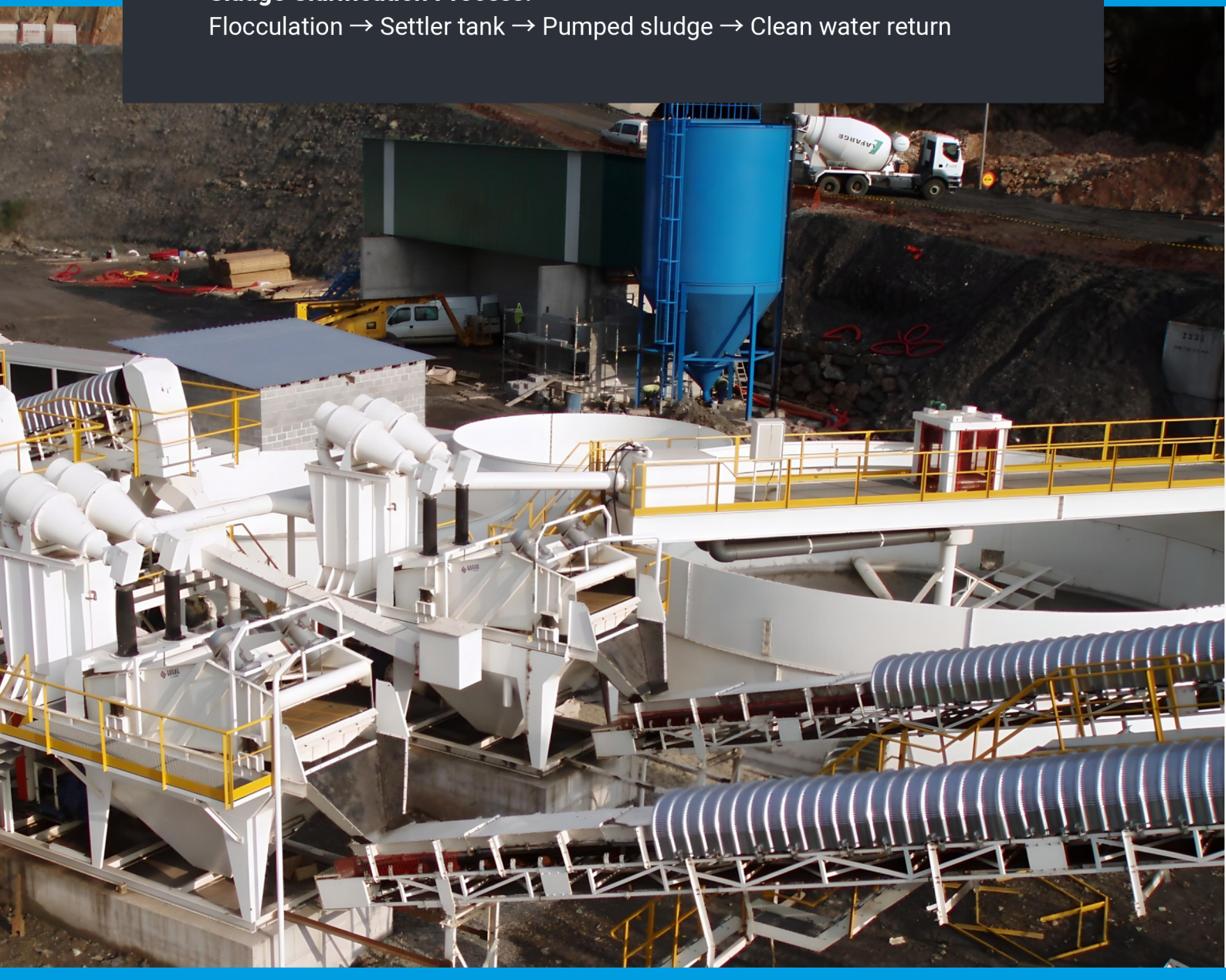
Hydrocyclone-Based Sand Washing + Sludge treatment

Compact sand washing units (LA series) integrate cyclone separation, dewatering.

Capabilities:

- Cut down to 63–106 µm
- Capacity per unit up to 300 t/h
- Up to 2 hydrocyclone stages
- Bentonite recovery with double-cyclone desanders
- Automatic flocculant injection regulation (CONTROLFLOC)

Sludge Clarification Process:
Flocculation → Settler tank → Pumped sludge → Clean water return



FEEDERS & DISTRIBUTORS

Consistent Flow for Consistent Results

Electromechanical vibratory feeders to guarantee homogeneus product inlet to MOGENSEN, or third party, machinery.



Design Options:

- Adjustable speed and amplitude
- Compact under-hopper design
- Easy retrofitting and synchronization



Benefits:

- Minimizes screening overload
- Improves cut accuracy
- Reduces wear on decks

SECTOR APPLICATIONS & MODULARITY

Built for Plant Integration

MOGENSEN systems operate in environments with fluctuating feed, abrasive materials, and sustainability demands.



Common Applications:

- Recycling: RDF, organics, e-waste
- Mining & Minerals: Coal, barite, manganese
- Construction: Sand, gravel, cement
- Food & Feed: Flour, larvae, pellets
- Chemicals: Fertilizers, salts, oxides

Advantages:

- Quick and safe access for machine maintenance
- Small footprint
- Plug-and-play modules

WHERE
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