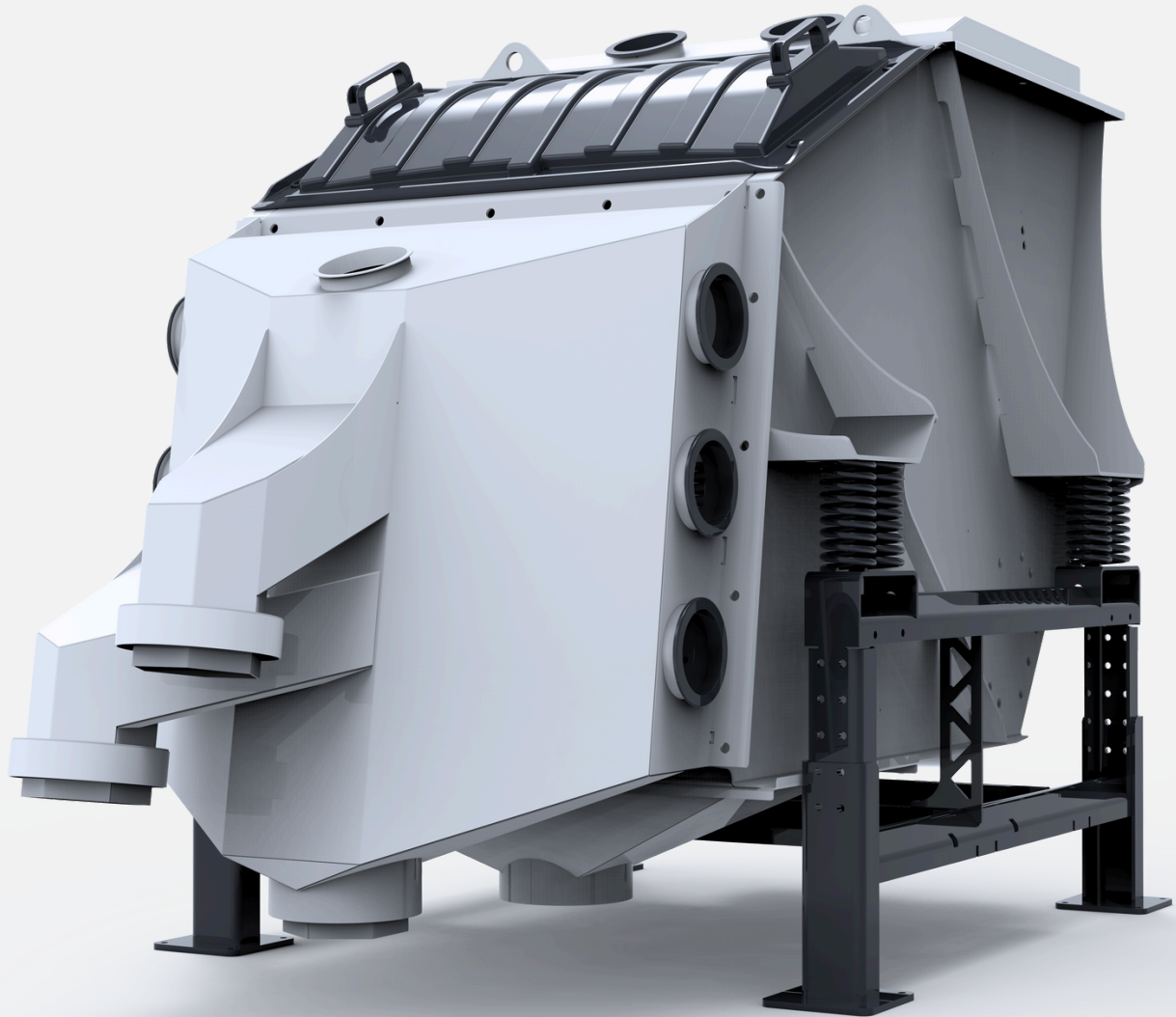


MSizer Compact

Options to optimize
process performance



MOGENSEN

VIBRATION DAMPENING

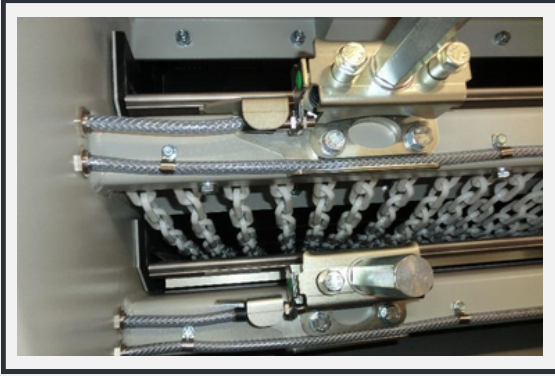
Reducing transferred vibrations from the Sizer to the building structure.

By adding construction weight and additional springs to the support frame we can reduce transferred vibration significantly.

With the vibration dampening option installed, the transferred vibration to the building structure get reduced by up to 85%.

The vibration dampening is easy to retro fit, should the MSizer be installed without vibration dampening from start.

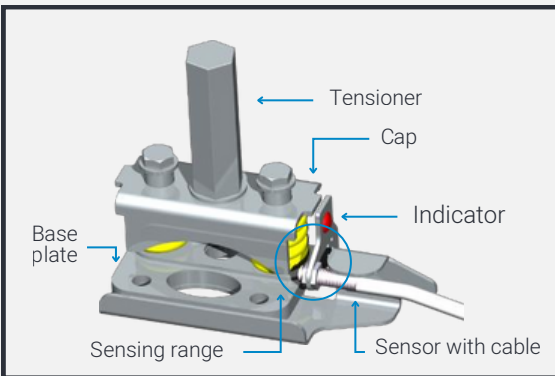




SCREEN TENSIONING & MONITORING

Manual or inductive signal.

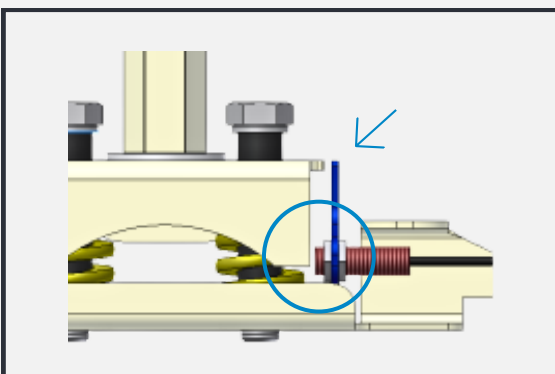
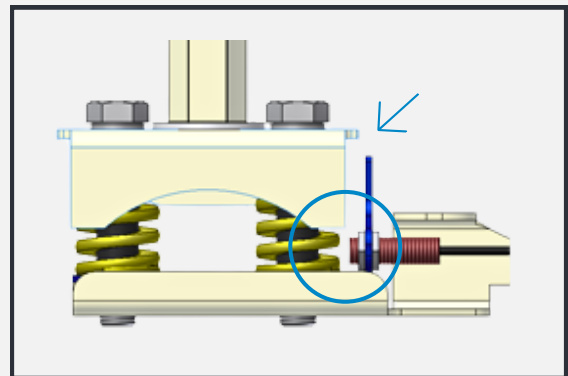
The picture shows the Screen tensioning unit including the inductive sensor, as this illustrates both setups.



The sensor and the indicator act on the gap, correct tension is indicated when the gap is flash with the indicator.

Adding protection, brake system and remote operation.

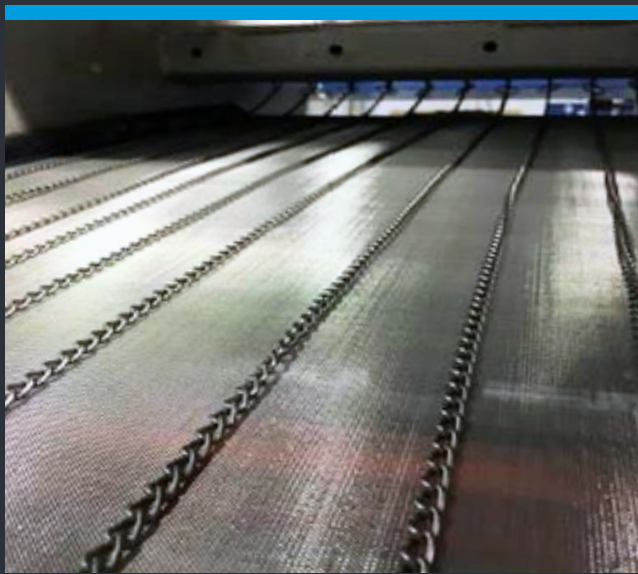
Insufficient tension →



The compression spring units are identified by color Red, Yellow, Green and Blue. The spring pack can be installed with or without monitoring

← Correct tension

MESH CLEANING



Mechanical cleaning

Chains added along the screen cloth together with the vibrating movement of the Sizer, keeps that screen cloth clean.

Anti-clogging

Clean screen cloth prevents clogging, As well as the jumping chain on the screen cloth assists in forcing the material that should to go through the screen cloth and helping the material on top to the outlet.



SAFETY SWITCH | ATEX (Part I)

A separate safety switch is added in conjunction with ATEX adaption of the Sizer.

ATEX

The MSizer Compact can be adapted and certified to either ATEX 22 or 21. Technical difference is showed below. Legal difference is according to EU Regulations.

No Potential course of ignition, normal operation	Safety measures	OK (X) ATEX21	If not (-) ATEX 22
Vibration-damped frame	Check that the dampers have ground bolts		
Vibration-damped frame	Make sure all foot plates have ground bolts		
Vibration-damped frame	Make sure the frame has ground bolts in connection with the foot plates		
Hose	Check that there is a ground bolt at each hose connection and vacuum connection		
Inspection cover ME	Check that welded bolts attach the cover instead of wedges		
Vibrator	Check that this is EX-protected and labeled EX II 2D tb, and that the temperature marking is correct		
Vibrator	Check that the vibrator model is represented in the ATEX machine instruction		
Sieve cloth tensioning monitoring	Check marking on the junction box: Ex II 2D ia / ib IIIC T <135C Db		
Sieve cloth tensioning monitoring	Check marking on the cable entries: "II 2D Ex tb IIIC Db".		
Sieve cloth tensioning monitoring	Check marking on the sensors: "II 1D Ex ia IIIC T85C Da IP68"		
Painting	Make sure the painting follows the "55790 Mogensen ATEX painting standard"		
Sieve cloth	Check that the sieve cloth is stainless		
Sieve cloth tensioning	The paint is removed in both ends of each spring		
Sieve cloth tensioning	Check that the base plate is stainless		
Sieve cloth tensioning	Check that the bracket is stainless		
Cover	Check grounding of the screws for the cover handle.		
Others	Each screw on painted component shall be provided with at least one toothed washer, with the exception of the vibrator bolts		
Housing	Grounded with cable connection to the frame		

SAFETY SWITCH | ATEX (Part II)

No Potential source of ignition, normal operation	Safety measures	OK (X) ATEX21	If not (-) ATEX 22
Suspension springs	Grounded according to instruction "ATEX-machine"		
Vibrator	Check that the stroke length does not exceed the maximum value. For 960 rpm, max 8,3mm applies For 1152 rpm, max 5,8mm applies For 1440 rpm, max 3,7mm applies		
Vibrator	Check that all vibrator weights have the same settings		
Others	Check that the sealing strips do not form a visible layer from the inside of the machine		
Inspection cover	Check that variant without metal reinforcement is used. EPDM or Silicon is ok.		
Inspection cover	Check that the color on the opening is removed so that the cover is grounded		
Metal cover	Check that the wedge reinforcements are not painted but allow grounding against the wedge		
Break curtain	Check that the brake curtain is grounded against the clamping bracket. Measure the resistance.		
Break curtain	Check that the clamp overlaps the edges of the brake lining.		
Break curtain	Check that the brake curtain is not in contact with the sieve cloth.		
Sieve cloth tensioning monitoring	Check that the cable entry in the machine housing has a grounded contact with the housing. Measure the resistance.		
Vibration dampening frame	Check that the machine weight matches the dimension drawing.		
Sieve cloth tensioning monitoring	Check that blind plugs are in all glands that are not used.		
Sieve cloth tensioning monitoring	Pack the manuals that came with the connection box with other instruction sheets.		
Sieve cloth tensioning monitoring	Pack the manual that came with the sensors with other instruction sheets.		
Hose	Pack all the grounding parts for inlet and outlet hoses according to drawing 55256		
Hose	Check that the hose supplied is Hydad PUM-EL		
Vibrator	Check that the included cable entry in the original is not removed or replaced.		
Others	Warning sign on the machine: To be grounded in current language		

VIBRATION REPLACEMENT

Complete tool set.

Set of tools to simplify the replacement of the vibrator.

With the included brackets fitting by default in the Sizer and to the vibrator, the disassembly and assembly of the vibrator is made easy together with the included winch.



WEAR PROTECTION



Durable to heavy duty

Adding customized wear protection in the Sizer, turns an already durable machine into Heavy Duty.

Steel or rubber

We can manufacture the wear protection in either a harder steel at >450 HBW or plates of vulcanized rubber on 3mm aluminum.



Assembly

The plates are mounted in the Sizer during assembly. Making the plates exchangeable on site when worn.

WHERE We Are



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