

The Mogensen range of spreader feeders are designed to accept a material flow from a relatively narrow feed and convert this into a uniform flow across the width of the machine. This spread is then presented to a following piece of machinery such as a screen or separator promoting their increased performance. The uniform and controlled flow of material is a very important part of screening and sizing which, when presented correctly will ensure high efficiencies and quality of the end product. The material flow control to magnetic separators is also crucial and can affect their performance and the overall recovery of magnetic materials.

Feeds come from many different systems, such as conveyor belts and bucket elevators which tend to offer material at a high velocity and uneven load spread. Feeding machines with static chutes or with a variety of static spreader devices rarely gives the best performance from the machine, however the Mogensen spreader feeder controls the material and ensures the feed is across the full width of the screen or sizer. In this way the full deck area is used for maximum efficiency and output by ensuring correct material bed depth and spread. The feeders are capable of handling a wide range of products including materials such as minerals, aggregates, recyclables, damp clay and limestone. Wear liner plates can be incorporated for abrasive materials which are easily replaceable during maintenance periods and flow gates, ATEX vibrators and flexible seals are all options available.

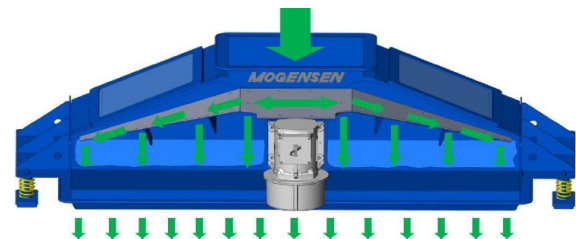
The Mogensen Spreader Feeder is an invaluable part of any raw material process that enhances screening or separating processes and promotes better efficiencies. Ruggedly built for arduous, trouble free service, the feeders are engineered to the highest standards, quiet, thoroughly dust proofed and fully tested prior to despatch.

MACHINE TYPES

There are two types of spreader feeder available, these are: -

CENTRAL FEEDER The central feeder is available in any size up to eight metres and is suitable for feeding sizers, screens and separators from an inline material feed. The central feeder can also be used to feed two independent screens mounted side by side from one material input. They accept a central feed and spread the material sideways in two directions across the width of the screen feed plate. Central feeders can be identified by the suffix C in the model type.

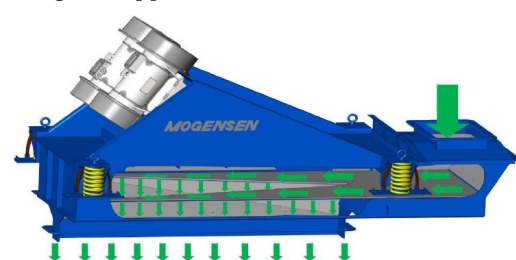
All feeders are powered by twin vibrators attached to the machine frame which creates a linear drive. As standard these will be either 1440 RPM or 960 RPM units and are selected based on spreader feeder size and the given application.



TRANSVERSE FEEDER

The transverse feeder is available in four standard sizes (bespoke sizes on application) being suitable for feeding the 1.0, 1.5, 2.0 and 3 metre wide sizers and screeners. They are suitable for accepting a material feed from the side and turning this through 90 degrees into a steady and continuous flow across the width of the screen feed plate. Occasionally they can be supplied to feed two machines mounted in parallel. Transverse feeders can be identified by the suffix T in the model type. Options include: wear liner plates, ATEX certified, Inlet and outlet flexible seals, paint colour and control gates.

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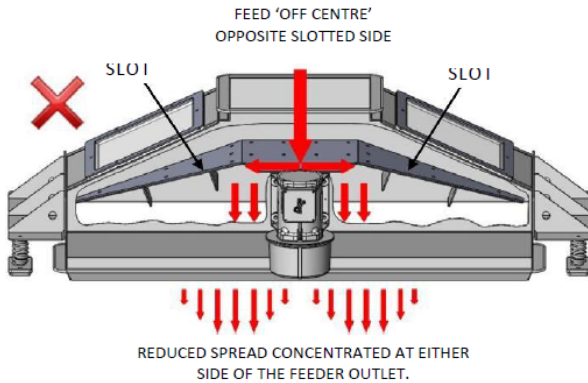


HOW TO OBTAIN THE BEST RESULTS FROM A SPREADER FEEDER

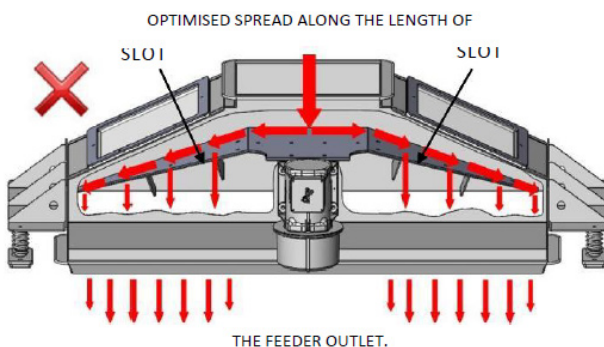
If the material is fed 'off centre', then the following poor results may occur;

If the feed favours the side of the unit with the slot, then the feed could pass directly through and the resulting spread will be concentrated at the centre of the feeder outlet.

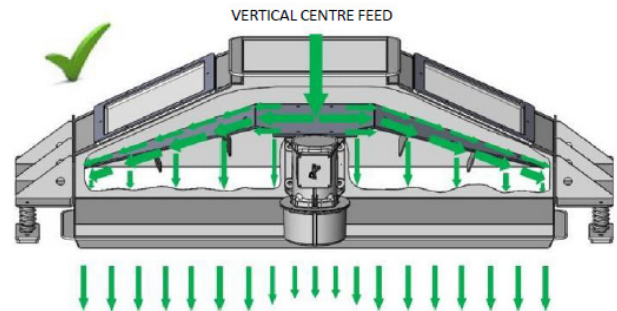
FEED 'OFF CENTRE' TOWARDS SLOTTED SIDE
REDUCED SPREAD CONCENTRATED AT THE CENTRE OF THE FEEDER OUTLET.



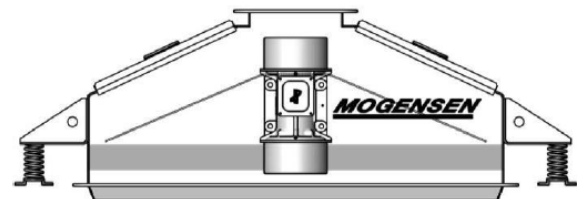
If the feed favours the side of the unit without the slots, then the feed could track down the side of the machine and the resulting spread will be concentrated at either side of the feeder outlet.



To obtain the best results from a spreader feeder it is important that the material being fed is presented to the centre of the feeder landing plate and that the material is fed vertically and at minimum velocity.



CENTRAL FEEDER



TRANSVERSE FEEDER

