



MATTHIESSEN DOSING BUNKER



Matthiessen Dosing Bunker

Every treatment process has its beginning. After delivery the next step in most recycling plants is the material feed to the processing plant.

In case of errors at that point, the following process can never run smoothly. Best dosing facilitates subsequent best treatment.

The Matthiessen Dosing Bunker is characterized by its robustness and high availability. The metering drum(s) are adapted to the specific task(s) and so almost every task product is supplied evenly to the treatment process. This is done by using our stable chain-belt-conveyor or walking floors. Depending on the product and space this or that technology will prevail.

Bunker volumes up to over 100m³ provide an optimal storage bunker, whose content is conveyed further. The use of this bunker allows the change of "Batch-run" to continuous operation.

Our dosing bunkers are modular constructed. Bunker lengths and heights can be adjusted individually. Our standard widths are: 1600mm, 1850 mm, 2200 mm, 2700 mm.

Moving floors for installation in existing bunker will be customized. Different products require different solutions.

The bolted angels allow a very easy change of dosing tools. The machine is so versatile, even if the product will change sometimes. All wear parts are screwed and also very easy to replace.

Industrial Waste

Precrushed industrial waste often contains materials that are worth to be sorted. Here an even feeding of the product is essential.

The feed material is loaded by a wheel loader or grabber into the bunker. For this bunker volumes are available up to (and over) 100 m³.

A to the product adapted metering drum conveys most of the material for over the drum.

Here the product is loosened and separated.

Our specially designed wrapping protection prevents wrapping of them rotor with eg long plastic sheetings.

Sorting is now fully prepared!



Metals

Although a very non-homogeneous fraction the dosage of metals shall be very evenly in order to achieve an optimum loading of the separation process.

Each customized metering drum ensures the very evenly dosage.

The tines already slightly loosen the material in the bunker. The material is then thrown by help of the shovel-carriers over the rotor on the discharge conveyor. So an extremely uniform task and loosening of the product is guaranteed.

The material flow rate is controlled by regulating the speed of the conveyor unit (walking floor or chain belt conveyors) and the rotational speed of the metering drum.

A signal (for example from a conveyor belt scale) can be used for the control.

This signal then controls the speed independently of the conveyor unit and the rotational speed of the metering drum. Thus, for solving even the most difficult dosing tasks.

Loading of the walking floor e.g. via wheel loader.



Metering drum



Dosing bunker

Compost

Bio waste compost, green waste, etc. to task products from plants to generate more renewable energy.

Delivery of this waste is usually by truck during the day. But the treatment plants work day and night.

This requires a buffer bunker which stores the material without further effort and then continuously brings the material to the process day and night.

This often requires large receiving bunker.

Our modular design allows the bunker capacity to adapt to the specific needs. Give us your details and we will determine the necessary bunker volumes.

For dosing tasks our specially adapted metering drum takes permanent care of optimal feeding rate.

Our discharge system then carries the metered product into the treatment plant.



Compost





Matthesen Lagertechnik GmbH:

- Metals, shredding heavy or light fraction
- Paper / cardboard
- compost, green waste, fine cut, coarse cut, crushed
- Industrial waste
- Household waste
- Plastics, etc.

- ✓ Large volumes storing in a small space.
- ✓ Easy loading and unloading.
- ✓ No matter what kind of material: Our dosing bunkers stores, conveys and doses.
- ✓ Optional metering drum: constant material flow and stable layer height for subsequent material treatment.
- ✓ Enhanced versions: e.g. Trucks can drive our well-engineered sliding floor.
- ✓ Length & Width: Your request is our job!
- ✓ Whether new construction or existing facility: We integrate the best solution bunker on attractive prices.

Check with us. We will develop your customized solution.



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