HUNING
Maschinenbau

# Solid matter feeding systems for biogas plants

*Solid matter dosing and storage systems from 13 to 180 m³*
*Shredding and treatment technology*
*Special conveying equipment*
*Overall plant concepts for solid matter feeding*

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*Solid matter dosing systems with hydraulically operated cover series SBC, 80 m³*

*Solid matter dosing system series SBC, 60 m³*

*Plastic lining, stainless steel push floor series SBC*

*Dosing and disintegrating roller with replaceable tools made of stainless steel*

# Individual plant solutions using proven standard components


*Twin design series SBC 160 m³*

# System advantages

In combination with additional conveyor screws, he system allows fully automatic dosed transport of solid matter into the fermentation plant.

## Steel structure

**Advantages of our solid matter dosing system series SBC:**

- reliable
- low energy consumption
- robust design
- optional weighing system
- short installation times

## Concrete structure

**Advantages of our solid matter dosing system series ZBC:**

- reliable
- low energy consumption
- drive-on design
- optional hydraulic closing ramp
- below ground level design for tipper trucks
- high storage tank volumes possible

*Drive-on concrete solid matter dosing system series ZBC with hydraulic closing ramp*

*Plastic lining, stainless steel push frame series ZBC*

*Rear view of series ZBC with conveyor system*

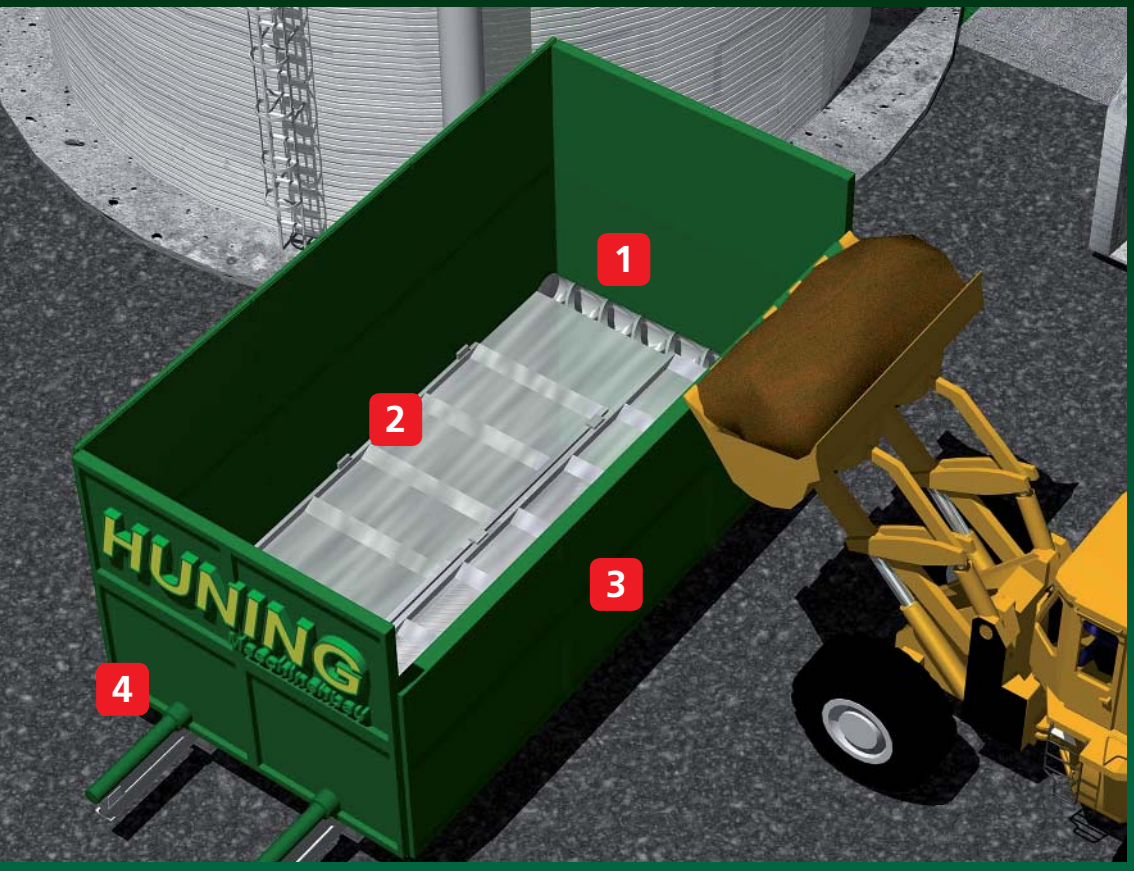
*Hydraulic telescopic cover for concrete container of series ZBC*

*Vertical spiral screw conveyor with 2 alternative fermentation plant feeding screws*

*Direct feeding from the solid matter dosing system into the fermentation plant*

*Transfer from the solid matter dosing system into pump systems*

*Shredder integrated in the conveyor system*

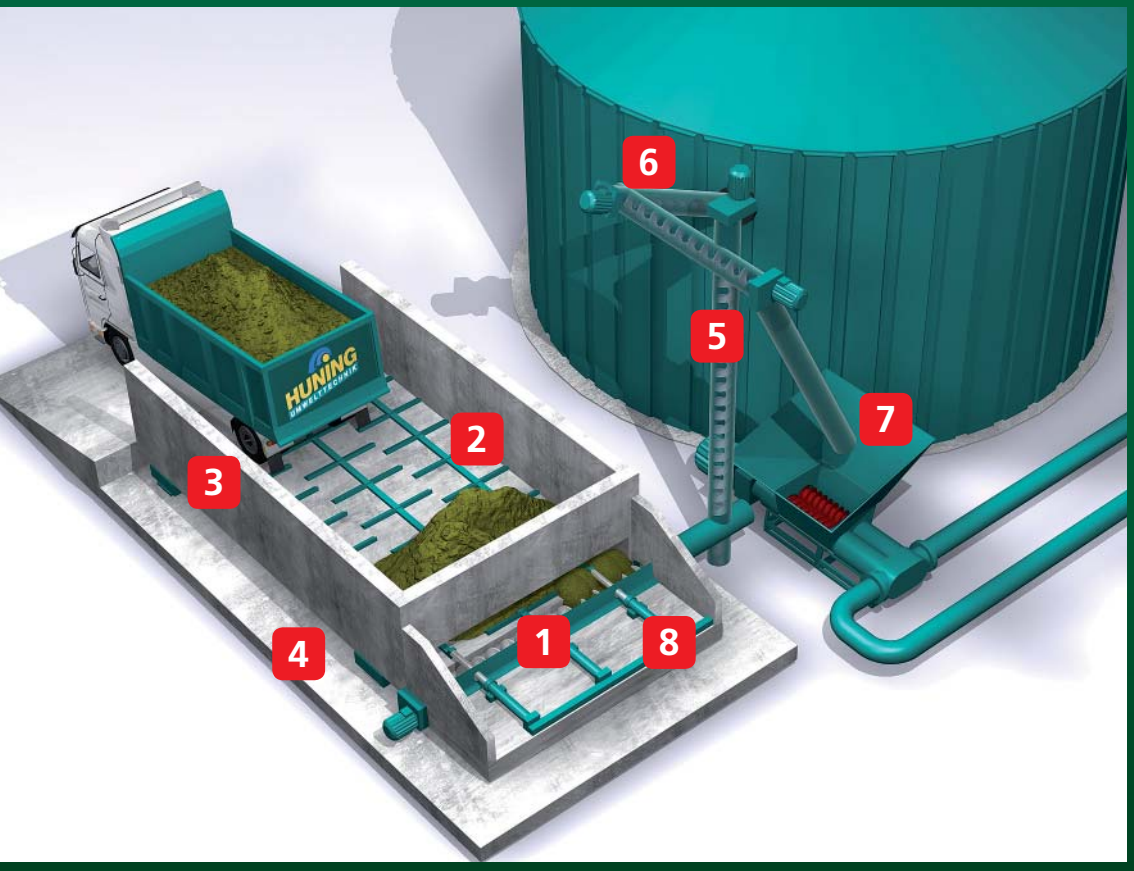



Cost-effective operation of a biogas plant essentially depends on appropriate allocation of personnel and the reliable function of automated plant technology.

After filling, the biomass is fed to a collector screw via parallel push floor plates.

1. Spiral conveyor screws
2. Push floor elements
3. Robust steel container with stainless steel push frames and plastic lining in the base area
4. Hydraulic actuators

# Cost-effective and functional




Drive-on concrete receiving station with weighing function and mechanical or, alternatively, hydraulic fermentation plant feeding equipment.

1. Discharge screws
2. Push floor elements
3. Concrete container with stainless steel push frames and plastic lining in the base area
4. Weighing equipment
5. Vertical conveyor
6. Fermentation plant feeding screw
7. Hydraulic conveyor system
8. Hydraulic actuators

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