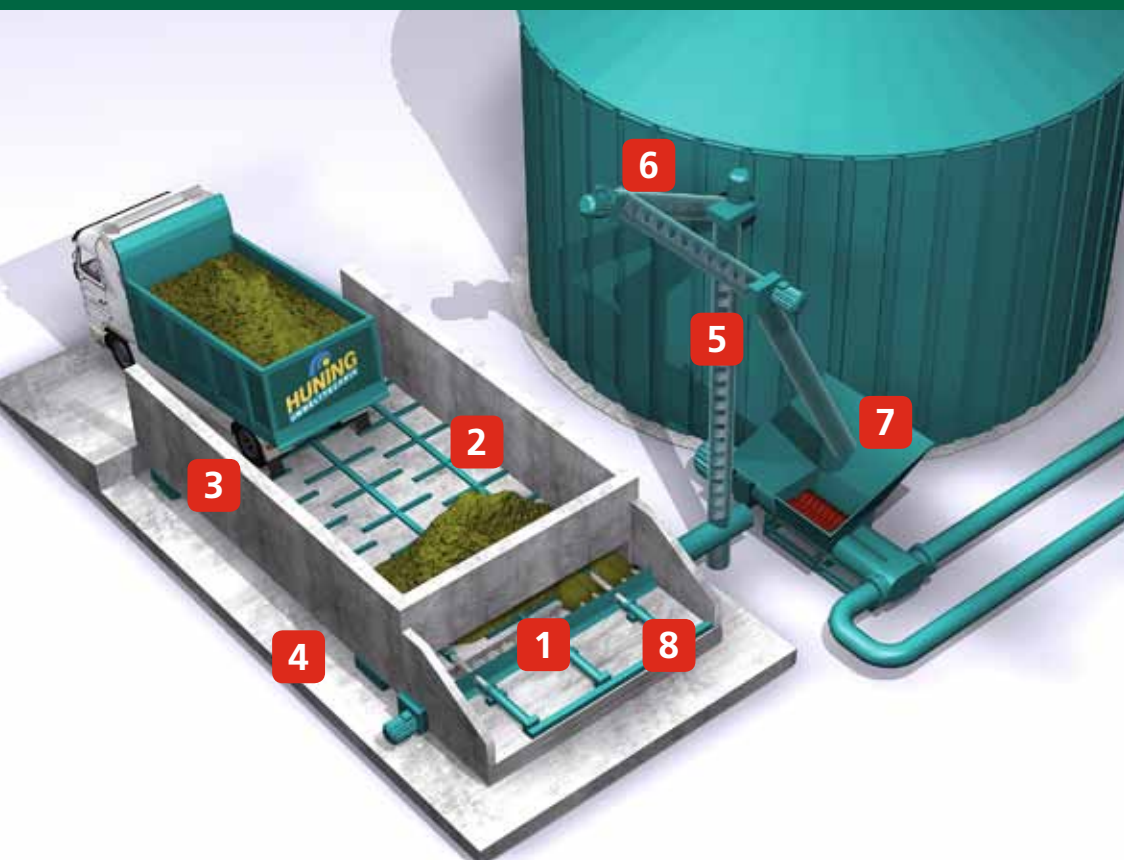


Cost-effective operation of a biogas plant essentially depends on appropriate allocation of personnel and the reliable function of automated plant technology.

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

# Solid matter feeding systems for biogas plants



Solids dispenser and storage systems from 40 to 200 m<sup>3</sup>

Solid matter dosing and storage systems from 13 to 180 m<sup>3</sup>

Shredding and treatment technology

Special conveying equipment

Overall plant concepts for solid matter feeding





Solids dispenser  
SBC 80 m<sup>3</sup> series



Twin design series SBC  
160 m<sup>3</sup>



Dispenser and opening roller  
tools made from stainless steel



Spreading unit for fibrous  
input materials

## System advantages

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

### Steel and stainless steel construction

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

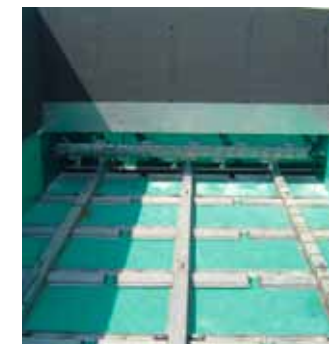
## Individual plant solutions using proven standard components



SBC 100 m<sup>3</sup> series with conveyor



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



Plastic liner, stainless steel push  
frame and  
ZBC series spreading unit



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