



NEW!

Big Dutchman®



CompoLiner

Composting of dry poultry excrement,
broiler manure and separated pig slurry
– fast and fully automatic –

CompoLiner – a complete system ready to be connected

CompoLiner is an innovative composting system newly developed by Big Dutchman. It is easy to handle, has a guided and fully automatic process control and can easily be adjusted to the amount of material that needs to be composted.

During the composting process, microorganisms degrade organic material such as dry poultry excrement, broiler manure and separated slurry in an aerobic environment. The dry matter content should ideally be above 40 percent. The final product is compost: a

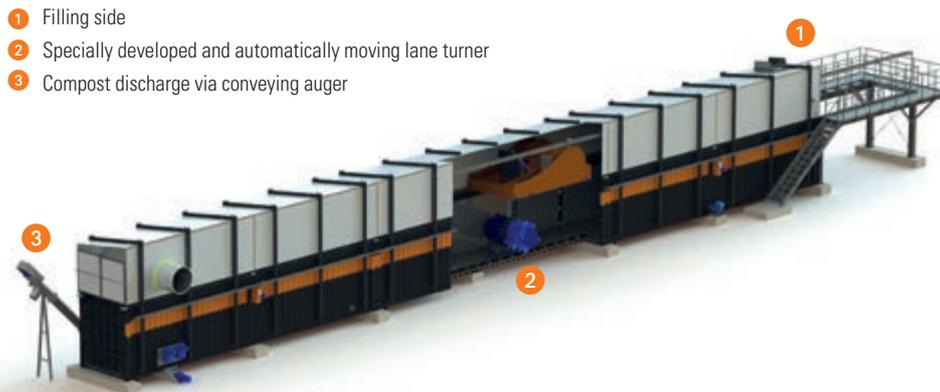
valuable, organic fertiliser. This fertiliser has good plant availability and can be used for general soil improvement in horticulture and agriculture.

How CompoLiner works

An automatic conveying system or a wheel loader transport the input material to the filling side. A lane turner ensures that the input material is milled, homogenised and conveyed to the discharging auger. The lane turner can move freely along the entire system length. A specially developed aerated floor is responsible for the directed supply of oxygen. A compressor continuously guides the fresh air and thus the oxygen required for degradation

into the material. Temperature and oxygen content in the compost are permanently measured by a sensor. The composting process therefore automatically takes place under ideal oxygen and temperature conditions. After a specific storage period that depends on the composted material, an auger discharges the compost at the other end of the container.

- 1 Filling side
- 2 Specially developed and automatically moving lane turner
- 3 Compost discharge via conveying auger



Container lined with stainless steel

Characteristics

- ✓ modular design: the basic version consists of two 40-foot containers that also serve as end sets; up to six additional 40-foot containers can be installed between these end sets for a total capacity between 80 and 360 m³ and approx. 50,000 up to 200,000 layers;
- ✓ good resistance to corrosion since the entire system's interior is lined with stainless steel;
- ✓ a control cabinet in the rear end set controls the system;
- ✓ emissions are extracted centrally; an exhaust air cleaner may be required depending on the location.



Control cabinet for fully automatic control



Big Dutchman.

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