

new

Big Dutchman®



BD PelletTower

Pelletising of dry poultry manure
– innovative and space-saving –

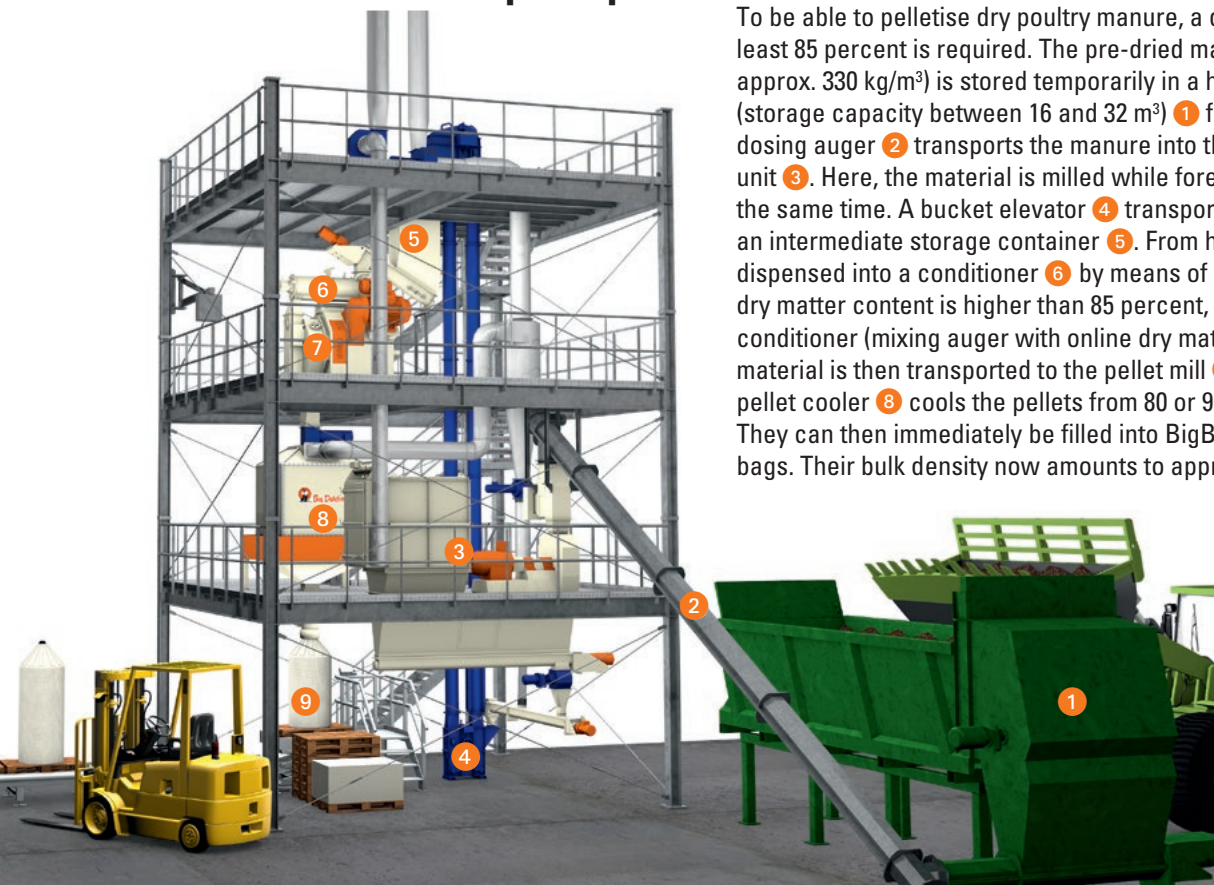
BD PelletTower for the efficient pelletising of dry poultry manure

In addition to egg and meat production, the sensible utilisation of poultry excrement is becoming more and more important to modern poultry producers. With OptiSec and OptiPlate, Big Dutchman has effective methods for manure drying

on offer. The manure dried with these systems has a dry matter content of up to 90 percent and can be stored very easily. For example it is a very valuable fertiliser. Pelletising the manure helps further any commercial possibilities.

For this purpose, Big Dutchman can offer the **BD PelletTower** – a clever and innovative solution!

Structure and functional principle



To be able to pelletise dry poultry manure, a dry matter content of at least 85 percent is required. The pre-dried manure (bulk density of approx. 330 kg/m³) is stored temporarily in a hopper with scraper floor (storage capacity between 16 and 32 m³) ① for further processing. A dosing auger ② transports the manure into the hammer mill with filter unit ③. Here, the material is milled while foreign matter is separated at the same time. A bucket elevator ④ transports the ground material into an intermediate storage container ⑤. From here, the material is dispensed into a conditioner ⑥ by means of another dosing auger. If the dry matter content is higher than 85 percent, water is dispensed into the conditioner (mixing auger with online dry matter measuring). The material is then transported to the pellet mill ⑦. In the next step, the pellet cooler ⑧ cools the pellets from 80 or 90°C to room temperature. They can then immediately be filled into BigBags ⑨ or other available bags. Their bulk density now amounts to approx. 700 kg/m³.

A hygieniser is available as an option. It is placed on an additional level between the pellet mill and the cooler and ensures a final product with a very low bacterial count.

We can offer the PelletTower in four different sizes, depending on the number of birds:

- 1.5 t/h (200,000 birds): 6.6 x 6.6 x 11.20 m
- 2.5 t/h (300,000 birds): 6.6 x 6.6 x 11.20 m
- 5.0 t/h (600,000 birds): 7.4 x 7.4 x 12.60 m
- 10.0 t/h (1,200,000 birds): 8.0 x 8.0 x 14.30 m
- hygieniser: additional level (4.20 m)

Advantages

- ✓ short distances from the pellet mill to the bagging unit → high quality of the pellets, virtually no breaking;
- ✓ space-saving design;
- ✓ can be set up in a hall or as stand-alone including a simple covering;
- ✓ ideal for transport and storage;
- ✓ simple and safe spreading of the pellets on the fields;
- ✓ very versatile, e.g. also for use in horticulture and viticulture.



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