



Big Dutchman®



Milling and Mixing Systems

for the production of feed mixes
from home-grown cereals

Feed mills and dry mixers for individual feed production

The comprehensive Big Dutchman product range includes **milling and mixing systems**. The trend goes increasingly towards using home-grown cereals for the production of mixed feed. This allows the production of individual recipes of known quality and also reduces transport costs. Because of these advantages we have given the entire subject a great deal of thought and are now able to offer you the corresponding equipment.

We are especially interested in delivering the right system adapted to your individual operational requirements. If, for example, a HYDROMIX feeding system is used, only a feed mill is needed as the mixing process will be carried out in the tank of the liquid feeding system. The milling and mixing system can, of course, also be controlled by the Big Dutchman MC 99 NT feeding computer. Let our experts advise you!

Feed mills – for evenly-structured feed

The Big Dutchman feed mills are hammer mills with a driving power of 11-22 kW (14.7-29.5 Hp) and a capacity of up to 4000 kg/h (8800 lb/h). Every mill is equipped with a stone catcher in form of a riddle sifter along with a collector for metal. This makes for a long service life. A screen is used for even pulverization of cereals and other grains; their structure, however, depends

on the mesh size (\varnothing 2.0-4.5 mm; 0.08-0.18"). The cereals for grinding as well as the finished meal are transported by means of a chain elevator or a speed-controlled conveyor screw. A frequency converter (optional) allows the grinding speed to be continuously adjusted.

Advantages

- high capacity (up to 4 t/h; 8800 lb/h);
- even feed structure;
- rugged construction, the rotor is also used in industrial machines with much higher driving capacities;
- stone catcher and collector for metal are standard;
- mill grinds in both directions
=> even wear of the screens,
=> longer lifetime;
- dust filter for improved hygiene;
- all parts of the mill are mounted onto a frame, this minimises installation requirements;
- good price-performance ratio.



Big Dutchman double mill



Double mill in combination with HYDROMIX liquid feeding system

Under certain conditions, for example in case of different areas of application (rearing and finishing), it might make more sense to use two small mills instead of one large mill. This makes it possible to produce feed and recipes with different grain sizes.

Dry mixer – precise mixing, versatile use

The dry mixer developed by Big Dutchman is a multi-purpose horizontal mixer. Different feed components such as cereals, dry minerals, vitamins and fats can be thoroughly mixed. Furthermore, it is possible to mix large amounts as well as small amounts.

The Big Dutchman dry mixer is characterised by its

mixing accuracy which makes it especially suitable for the production of premixes. The standard version has a capacity of 2000 l (2860 lb). Three weigh bars ensure accurate weight calculation. The mixer is emptied over an opening at the base. The hole can be opened or closed automatically or manually by a sliding valve.

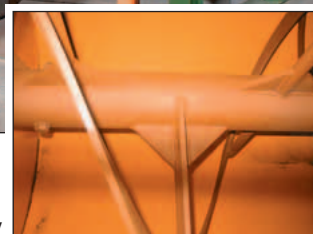


Feed kitchen with feed mill, mixer and HYDROMIX



3-leg dry mixer

Double, counter-rotating screw



Mineral containers for premixes and other feed additives

Advantages

- double, counter-rotating screw which works along the entire length of the mixer for a high mixing accuracy and very good mixing quality, including small amounts;
- 3-leg mixer requires only little space and can thus easily be merged with existing dry feeding systems;
- the system is controlled by an MC 99 NT feeding computer;
- the core part of the mixer is the specially-formed screw made from steel for little wear and a long lifetime.

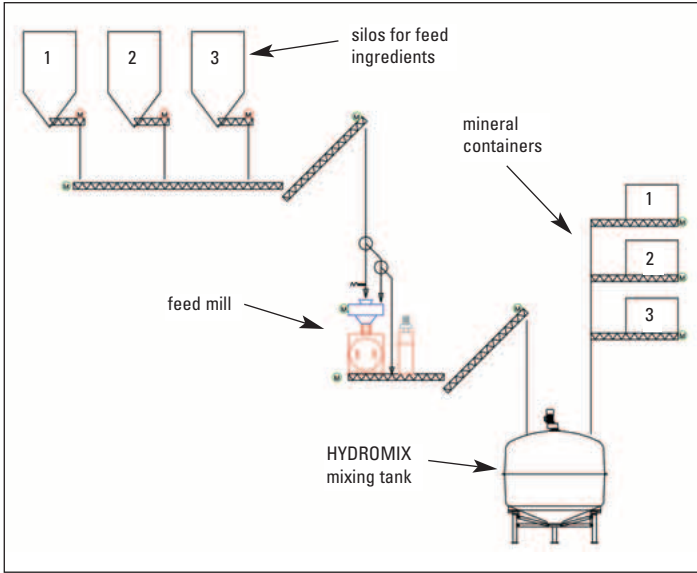
Technical specifications

Size/content	2000 litre
Mixing time (min)	4 - 8
Emptying time (min)	1 - 4
Motor capacity (kW)	7,5 (10 Hp)
Drive	V-belt motor
Weight incl. motor (kg)	700 (1543 lb)
Dimensions (LxWxH, cm)	298x112x180 (9.8x3.7x5.9 ft)

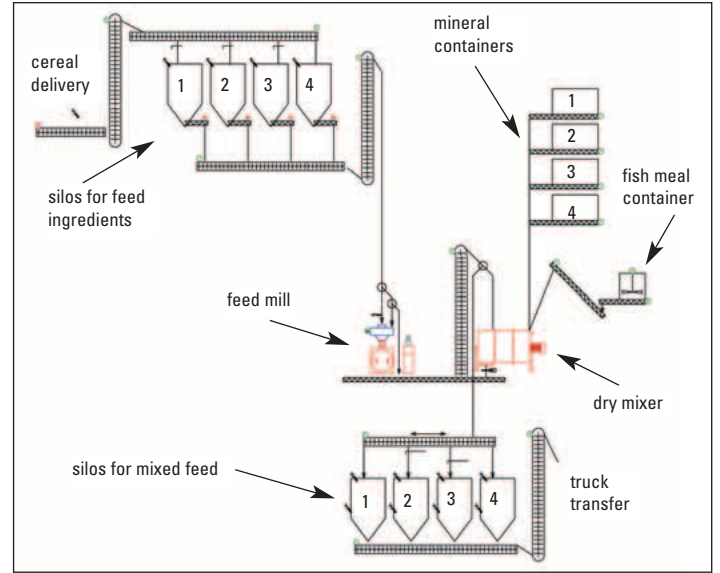
Examples of milling and mixing systems

No two projects are alike. Much information has to be taken into consideration when planning a system, for example the number of animals, whether a dry or liquid feeding system is to be used, the number of

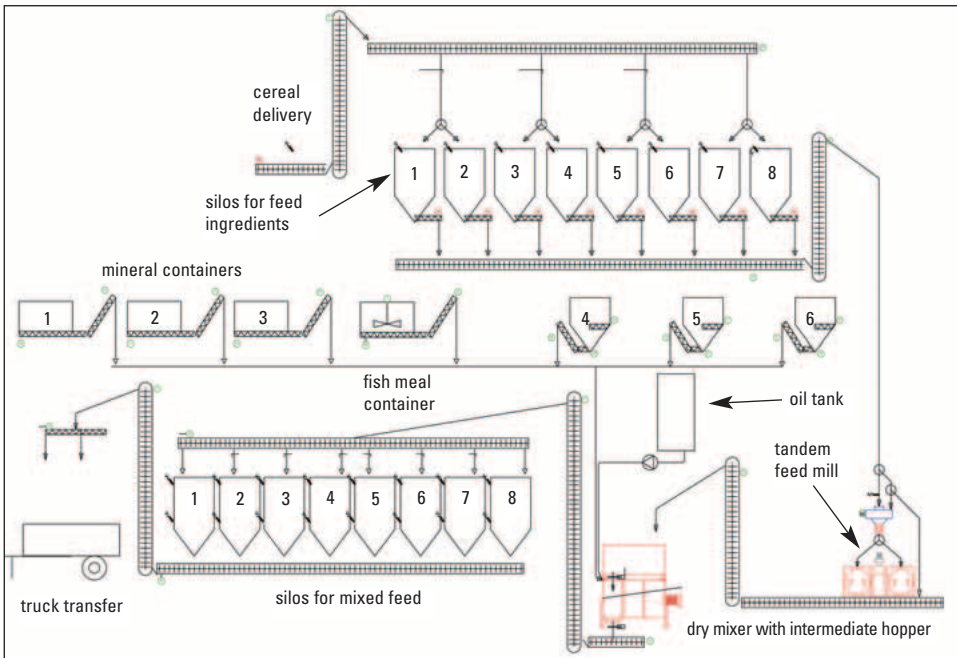
feed ingredients and minerals. To develop the best concept for every customer, intensive preparation beforehand, guided by an advisory service is necessary. Only then will the results be successful!



Implementation of BD feed mill in a HYDROMIX liquid feeding system



Implementation of a BD feed mill and a BD dry mixer



Implementation of a BD feed mill and a BD dry mixer

We recommend ...

Apart from the milling and mixing systems described in this brochure, Big Dutchman also offers you a variety of additional products which complete an installation. The product range includes silos, mineral containers, conveyor spirals, bucket and chain elevators, tube and trough screws. Let our experts advise you on the different possibilities Big Dutchman has to offer you for successful pig feeding!



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