



Big Dutchman®



TriSort

Automatic sorting scale for successful pig finishing

TriSort – permanent weight control and labour-saving selection

With Big Dutchman's automatic sorting scale **TriSort**, finishing pigs in large group management – with an optimum number of 250 to 350 pigs per group – can be sorted based on their individual weights. Among other things, this helps to determine the exact number and weight of ready-to-slaughter pigs. This in turn helps in determining the slaughtering date. The pigs delivered to the slaughterhouse precisely match the slaughtering criteria; pigs that weigh more or less than the slaughterweight are a thing of the past which, of course, increases the overall yield!

Another important field of application is partial finishing up to or starting at 60 kg (132 lb). Here the

weight of the pigs is also constantly monitored which allows the producer to adapt the feeding to the pigs' requirements and to utilize the barn much better.

It is possible to establish, maximally, 10 weight groups. In addition, under- or overweight pigs can be marked with two different colours.

The sorting scale is used in stand-alone operation. This means the TriSort- computer records each weighing and processes the data. Furthermore all data can be transferred to a Windows PC to allow for easy tabular or graphical evaluation. The computer can manage up to 32 TriSort sorting scales.

Advantages at a glance:

- permanent weight monitoring of all pigs
=> there will always be information about daily gains and thus the health of pigs;
- selection of under- or overweight pigs by means of colour marking;
- ready-to-slaughter pigs can easily be selected without stress before they are taken to the slaughterhouse
=> this provides precise information about the number of pigs for slaughter and their weights
=> less time required for loading;
- sorting of pigs in up to 10 weight groups;
- can be used with liquid or dry feeding systems.



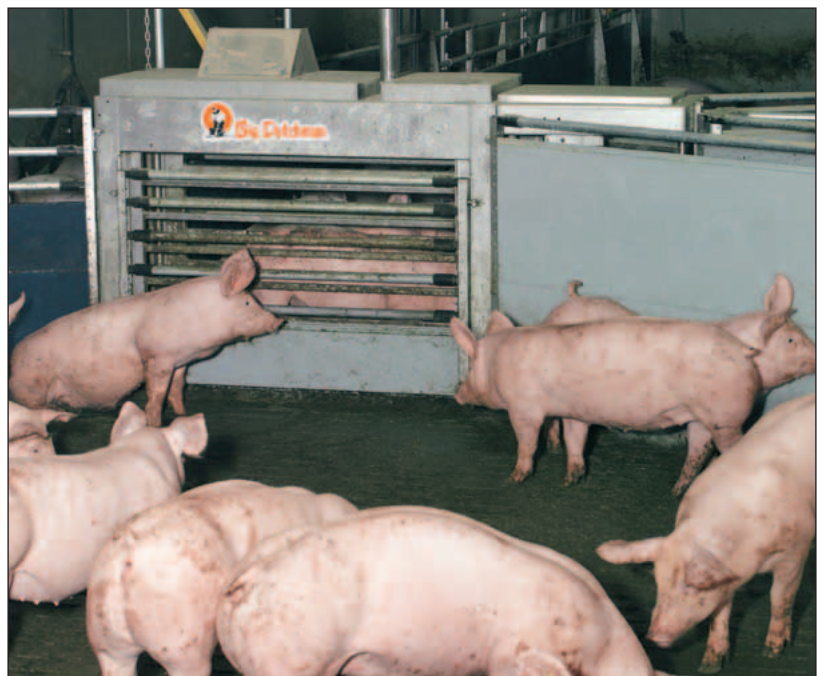
TriSort with 2 selection exits

How does TriSort work?

The double, stable entrance door is always open when the scale is empty. If a pig enters the scale the entrance door closes automatically due to the weight change on the scale. This way only one pig can enter the scale at a time. The scale is equipped with a non-slip floor.

After the weighing, which takes only two to three seconds, the exit door opens automatically. The subsequent selection door determines whether a pig is to be selected as "ready-for-slaughter" right before slaughtering, or if it is led back to the same group, or if it is re-sorted to a new weight group.

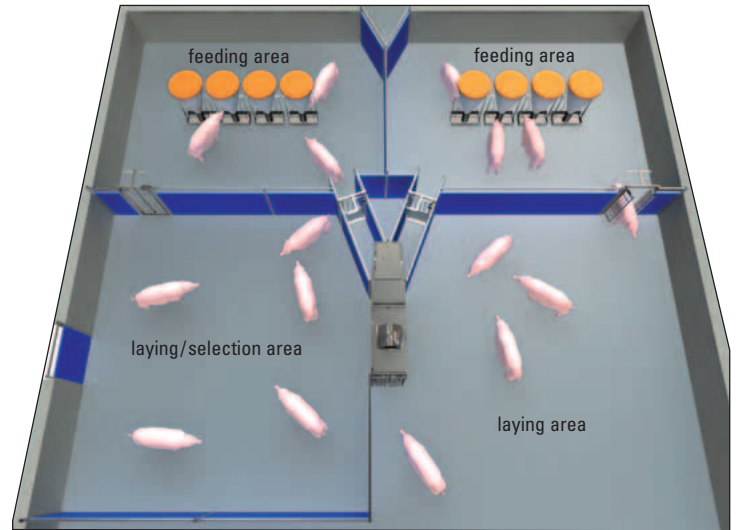
The entrance, exit and selection doors are opened and closed pneumatically.



TriSort with 2 selection exits in combination with HydroMix-Sensor liquid feeding system

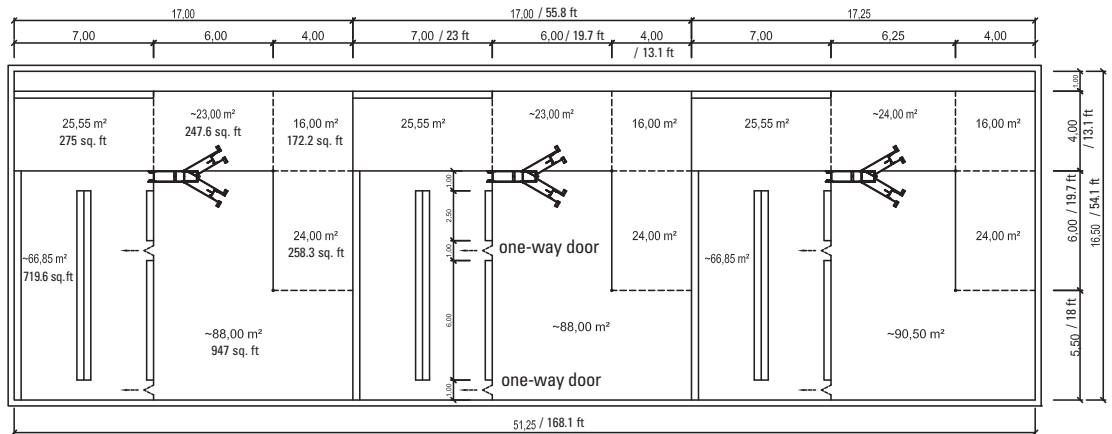
Technical specifications and planning examples for the use of TriSort

If a TriSort sorting scale is installed, the barn is divided in feeding, laying and selection areas. Ideal are group sizes from 250 to 350 pigs per sorting scale. Based on the group size, one or two one-way doors have to be planned through which the pigs can enter or leave the feeding area. The arrangement of the one-way doors depends on the feeding method. If pigs are fed ad libitum, they are weighed and sorted before entering the feeding area. If they are fed restrictively the weighing is carried out after the feeding.

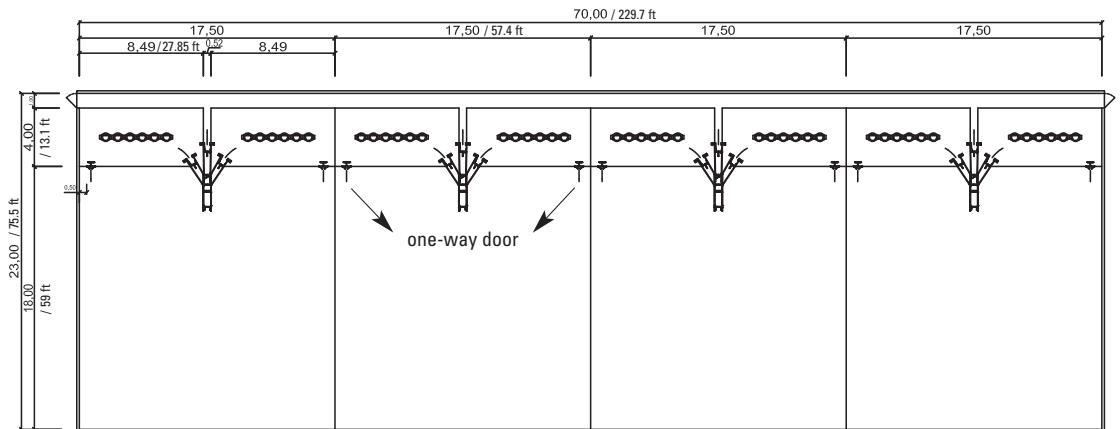


Floor plan with location of TriSort

Use of TriSort with 265 pigs per group with liquid feeding system and 2 selection exits



Use of TriSort with 300 pigs per group with dry feeding and 3 selection exits



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