

optiSCAN

The pig scale in your hand



The optiSCAN is a mobile device to measure the weight of fattening pigs:

- The measurement is done in the pen, no need to move the pigs to a weight scale.
- A pig is targeted, the measurement is triggered and the result is directly shown on the screen.
- Deviation due to different fillings of the stomach, bladder and bowel are minimized using an optical measurement concept.

The optiSCAN will benefit:

- Higher sales results due to optimized selection of animals at the correct weight
- Better work efficiency due to simpler, quicker and cheaper weighing of the animals
- Results are independent of the user and the selection of the animals can be done by less skilled employees after a short training.
- The mobile device makes single measurements or monitoring measurements very easy. Stress and workload is at a minimum on animal and working staff.



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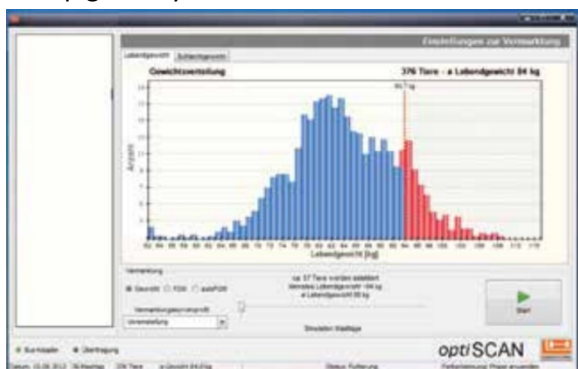
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optiSCAN

Mobile weighing: precise, selective, quick, easy

Good selection is key

The right time to market the pigs is critical for the economic success of pig farming. But not all pigs develop the same way and selection of the best pigs is key.



Typical weight spread in a group of fattening pigs

But how can the animals with the best slaughter weight be selected? Even experienced livestock owners are often off by several kg when estimating the weight and unskilled workers do not always apply the same level of care.

Misleading accuracy of mechanical scales

Mechanical scales can help to identify the heaviest pigs but based on the different filling of stomach, bladder and bowel, the weight of one pig varies by about 5kg during a day. Therefore, the mechanical scales do not provide the best data for a good selection, i.e. due to recent drinking/eating or dejection a pig with lower slaughter weight/empty weight can be heavier than one with higher slaughter weight/empty weight.

Advantages of 3D-measurement

The optiSCAN is a hand held device that uses a 3D-camera to measure the body constitution and size of a pig. Based on the 3D-data it uses an algorithm to calculate the weight of the pig. Effects of short term variations due to drinking, eating or dejection are minimized in this measurement concept. The algorithm is based on the analysis of more than 2 million data sets of more than 6.000 pigs comparing the mechanical weight with the calculated weight based on 3D-measurement.

optiSCAN: mobile and efficient

By using the optiSCAN as a hand held device the animals are not moved to a mechanical scale outside the pig pen. The measurement is brought to the animals. The camera is held above the animal and the measurement is triggered. It is quick, reliable and cost efficient. The user immediately collects the weight result.



optiSCAN quick and precise measurement of fattening pigs



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