



**Big Dutchman®**



## **Bird weighing**

Precision weighing systems for all types of poultry  
– mobile or fixed installation –

# Weighing systems for all types of poultry

## Permanent and automatic monitoring of bird weights

Monitoring bird weights is an important tool in modern poultry management. In poultry growing especially, the exact determination of bird weights is a decisive factor for economic success. Any farmer keeping broiler breeders, pullets or layers must also check carefully the weight during the birds' development. Too

high or too low weights always have a negative effect on the production results and also mean that the farmer is not taking full advantage of the birds' genetic potential. This, in turn, influences the farm's profits negatively. Big Dutchman can offer the right poultry scales for any application. Whether a fixed or

a mobile version, a stand-alone system or scales integrated into the production computer is needed, our experts will be pleased to offer advice.

	Swing 20	Swing 100	Incas 2	IncasCompact	Nesca
<b>Areas of use</b>	<ul style="list-style-type: none"> <li>• Broiler growing</li> <li>• Duck growing</li> <li>• Turkey rearing</li> <li>• Laying and rearing aviary</li> <li>• Broiler breeder management</li> </ul>	<ul style="list-style-type: none"> <li>• Turkey growing</li> </ul>	<ul style="list-style-type: none"> <li>• Laying aviary</li> <li>• Laying cage</li> </ul>	<ul style="list-style-type: none"> <li>• Broiler growing (AviMax)</li> <li>• Rearing cage</li> <li>• Rearing aviary</li> </ul>	<ul style="list-style-type: none"> <li>• Broiler breeder management</li> </ul>
<b>Weight range</b>	up to 20 kg	up to 100 kg			up to 50 kg
<b>Connection to:</b>					
• ViperTouch/BigFarmNet	✓	✓	✓	✓	✓
• amacs	✓	✓	✓	✓	✓
• BFN app	✓	✓	✓	✓	✓

## Swing 20

### Versatile poultry scales

**Swing 20** consists of a load cell and a platform made from plastic material (or, as an option, stainless steel). Using the telescopic suspension pole, the platform can easily be adjusted in height and thus adapted to the birds' age. The scales are well accepted by the birds, resulting in plenty of weighings and therefore also in precise weight data.

Swing 20 is suspended from the house's ceiling. During the service period, the scales can simply be removed for cleaning while the weighing electronics remain installed close to the ceiling where they are protected against dirt and dust.



Load cell for Swing 20 and Swing 100



Swing 20 in a broiler house



Swing 20 in a house for duck growing



Swing 20 (stainless steel) in a pullet rearing house

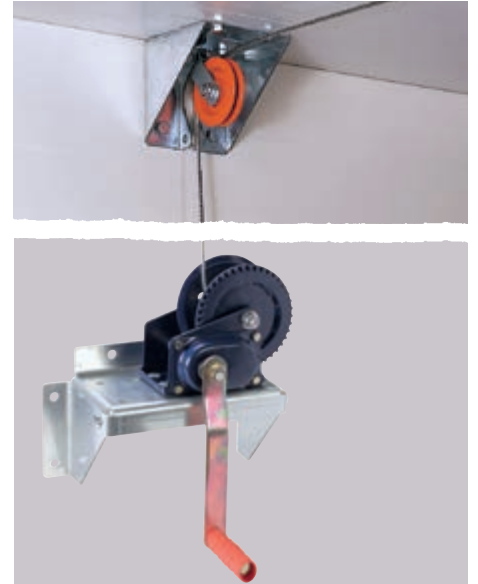
## Swing 100

### Poultry scales for turkeys

**Swing 100** consists of a 1 x 1 m large plastic plate that is fixed to two stainless steel brackets. Swing 100 is attached directly to the load cell by means of four suspension ropes and snap hooks. The suspension point is high, keeping swinging motions to a minimum to ensure that the birds accept the scales. This guarantees a high number of weighings and therefore precise weight determination. The scales come with a winch so that the height can easily be adjusted according to the birds' size and age. For cleaning with a high-pressure washer, the scales can be released from the snap hooks.



Swing 100 in a house for turkey growing



Cable winch for wall suspension

## Incas 2

### Poultry scales for layers

**Incas 2** are poultry scales that can be used in houses where layers are kept on the floor or in cages. Thanks to the multi-purpose stainless steel suspension, Incas 2 can either be fitted laterally to the wire mesh or, if the load cell is

angled accordingly, be fixed to the system's flooring. Due to the low weight of only 2 kg, Incas 2 is well-suited for use as mobile poultry scales. The small distance between the floor and the load cell, which is shaped like a perch,

ensures a high number of weighings and therefore precise weight determination.



Incas 2 in a layer aviary



Incas 2 in an enriched colony system

# IncasCompact

## Poultry scales for pullets and the AviMax broiler system

**IncasCompact** are poultry scales ideal for weighing pullets as well as broilers kept in the AviMax system. The scales are made entirely from stainless steel. The circular weighing platform has a diameter of 15 cm. IncasCompact is simply placed on the floor where the two feet hook into the flooring. Thanks to the compact design, the scales can also be used for mobile weighing.



IncasCompact in the AviMax broiler system

# Nesca 2

## Poultry scales for broiler breeders

**Nesca 2** are poultry scales developed by Big Dutchman (and recently patented) for integration into colony nests.

The scales automatically determine the weight of hens that visit the nest to lay their eggs. Nesca records the largest possible range of weights of a great number of hens, whether they are heavy, light or "lazy" (i.e. not moving about much), without requiring any additional efforts from the staff.

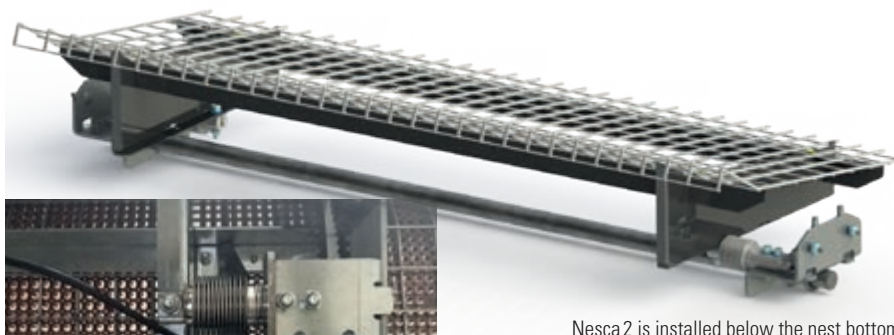
Nesca 2 consists of a bottom wire mesh which rests on two load cells. The load cells transmit their results to the production computer via a weighing module.



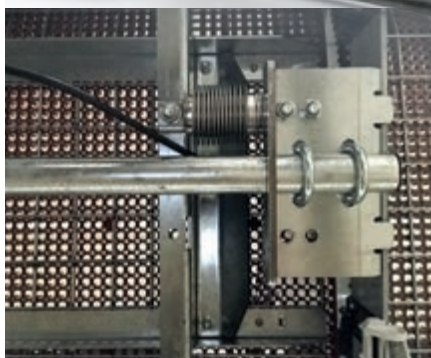
Nesca 2 determines the hens' weight while they visit the nest

## Advantages

- ✓ automatic weight determination;
- ✓ a lower number of manual weighings reduces the workload and saves time;
- ✓ the period for weighing can be defined individually, for example before feeding or during the main laying phase;
- ✓ automatic differentiation between males and females during weighing.



Nesca 2 is installed below the nest bottom



Load cell

# ViperTouch and BigFarmNet

## Automatic determination and analysis of bird weights

All poultry scales from Big Dutchman provide exact data on the current bird weights in your house. Moreover, the coefficient of variation is used to determine

the uniformity of your birds statistically. This makes it easier to evaluate your flock. The number of weighings tells you whether the birds have accepted the scales, i.e.

whether they are positioned correctly in the house.

**ViperTouch** has a 7-inch or a 10-inch coloured touchscreen that can be configured to meet your needs. Up to 12 scales can be connected. The software uses very clear and simple icons and is available in more than 30 languages. In combination with BigFarmNet, you can easily and quickly analyse the scales' data in the office or at home and compare them with reference values or earlier batches.



ViperTouch



BigFarmNet Manager

## The BigFarmNet app

### On the go or directly in the house



The **BigFarmNet app** will ease your daily work. Writing notes and tediously copying them afterwards will no longer be necessary. For example, you can input bird weights you measured manually into the app. These data are then immediately available for analysis in BigFarmNet Manager. For security, Big Dutchman has, of course, ensured that all communication is encrypted.



With the smartphone on the go



With the tablet, directly in the house

## amacs

### Automatic determination and analysis of bird weights

The **amacs** agro management and control system is mainly used on large farm complexes. The computer, with its 15-inch coloured touchscreen, is usually installed in the control cabinet. Up to 48 poultry scales can be connected.

All data can be retrieved via a password-protected and encrypted internet connection using the office PC, smartphone or tablet.



15" touchscreen in the amacs control cabinet



amacs on the farm office PC

# FlexScale 2

## The mobile poultry scales

**FlexScale 2** are mobile poultry scales with a large touchscreen. The scales can be suspended from a robust eyelet, allowing the operator to use both hands to catch the birds. An optionally available wings clamp turns the weighing of up to 10 kg heavy birds into an easy task. The display immediately shows not only the bird weight, but also minimum/maximum weights, the average weight and the uniformity. A series of measurements taken with FlexScale 2 can be assigned to different flocks and houses. All data can be analysed in detail at the PC using the provided software. The data can also be displayed, via wi-fi, on connected mobile devices such as smartphones, for example.

FlexScale 2 has a concise display, much memory capacity and a long battery life. The scales are also easy to use. The battery is charged with a USB cable.

The charging cable, a protective transport case and the software are included upon delivery. A calibration weight of 1 kg can be supplied as an optional extra.



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