



Big Dutchman®



Weighing Systems

Precision weighing systems for all types of poultry production
– mobile or stationary –

Weighing systems for continuous monitoring of bird weights

Monitoring of bird weights is an important management tool in modern poultry production. Especially in poultry growing operations the exact recording of bird weights is a decisive factor for economic success. But also in broiler breeder operations or egg production the farm

manager should know the weight development of his stock. Too much or too little weight always has a negative effect on the production results and also means the producer is not taking advantage of the full performance potential of his birds. Big Dutchman can offer you a broad

selection of different weighing systems, be it stationary or mobile solutions, stand-alone devices or devices that are integrated into a production computer. Let our experts advise you!

Swing 20

Poultry scale for broiler, duck and broiler breeder production



Use of Swing 20 in a broiler barn

Swing 20 consists of a laminated, water-proof weighing platform and the load cell. The platform can easily be adjusted in height and thus be adapted to the age of the birds by means of a telescopic suspension. The scale is well accepted by the birds which leads to many weighings and therefore a precise determination of the weight. Swing 20 is suspended from the barn ceiling.

The weighing platform should be as close to the floor as possible to ensure that it is also used by "lazy" birds. The scale can easily be taken down for cleaning purposes while the weighing electronics remain installed close to the ceiling where they are protected against dirt.

Swing 20 can be used for weights up to 20 kg.



Load cell for Swing 20 and Swing 70

Swing 70

Poultry scale for turkey production



Use of Swing 70 in a turkey growing barn

Swing 70 consists of a 1x1 m large plastic plate which is fixed to two stainless steel brackets. It is directly attached to the load cell by means of 4 suspension ropes and snap hooks. The high suspension points keep any swinging motion of the scale to a minimum to ensure that it is well accepted by the birds. This in turn leads to many weighings and therefore a precise determination of the weight. To allow for adjustment of the height of the scale based on the age of the birds, the complete system also includes a winch. In order to clean the scale by means of a high pressure cleaner, it can simply be released from the snap hooks. The scale is calibrated at the computer with a 20 kg reference weight.

Swing 70 can be used for weights up to 70 kg.



Cable winch for wall installation

Incas 2

Poultry scale for layer production



Use of Incas 2 in small group management



Use of Incas 2 in aviary management

Incas 2 is a poultry scale developed by Big Dutchman which can be used in floor production and in small aviary management systems (rearing and layer) as well as in traditional cage production.

Thanks to the multi-purpose stainless steel suspension, Incas 2 can either be fitted laterally to the wire grilles or, if the load cell is turned, it can be fixed to the bottom grille.

Thanks to its low weight of just 2 kg, Incas 2 can easily be used as a mobile poultry scale. The low distance between floor and load cell and its perch-shape ensure that it is well accepted by the hens thus allowing for a high number of weighings and therefore a precise determination of the weight.

IncasCompact

Poultry scale for the AviMax broiler system



IncasCompact is a poultry scale developed by Big Dutchman for broiler weighing in AviMax production systems. It is made of stainless steel and the circular weighing platform has a diameter of 15 cm.

IncasCompact is simply positioned on the cage floor where it catches with its two feet. Thanks to its compact design it can also be used as a mobile bird scale.

Recording and analysis of bird weights by means of a production computer



amacs – management and control system for modern poultry production



ViperTouch – climate and production computer for modern poultry management

All poultry scales offered by Big Dutchman can be connected to the climate and production computers amacs, Viper and ViperTouch.

Each of these computers records the required data concerning growth, feed and water consumption, mortality and climate. This puts the producer in a position to be able to quickly react to changing conditions and to take the required action. This in turn leads to better production results and increases the economic efficiency.

ComScale

Weighing computer for use in poultry production



ComScale is a stand-alone weighing computer which can be installed stationary in the service room or it can be used as a battery-powered mobile version. ComScale is equipped for the connection of the poultry scales Swing 20 and 70 as well as Incas 2 and IncasCompact.

All recorded individual measurements can be viewed at the weighing computer or they can be transferred to a PC by means of a data module to be analysed in graphical and tabular form with the respective software (optional). An automatic comparison with a pre-defined set curve helps to detect any deviations.

The computer is also available as GSM version which has the advantage that data are transferred daily to the PC via a GSM

modem (wireless) or also in the form of a text message to a mobile phone.

The following data are recorded:

- ✓ daily average weight
- ✓ number of weighings per day
- ✓ daily weight gain
- ✓ standard deviation (g), coefficient of variation (%) – states the deviation of the measured weights from the average value
- ✓ uniformity
- ✓ automatic update of the average weight.

FlexScale

Manual, mobile poultry scale



FlexScale is a battery-powered, portable, user-friendly weighing computer which automatically records manual weighings. FlexScale has a concise display, a large memory and a long battery life.

Data are saved in pre-defined groups. A group may consist of a house or a defined area within the house. The measuring results can be transferred to a PC where they can be analysed with the supplied software in form of statistics, histograms and growth curves. Data can also be compared with a set curve.

A battery-powered printer is optionally also available. This allows the producer to directly print measuring results from the FlexScale.

The scope of delivery includes a simple

weighing hook, a battery charger and the carrying case. Optionally available is a more comfortable weighing hook which makes manual weighing of the birds even easier.

FlexScale is available in 2 versions: for 30 kg and for 50 kg.



Big Dutchman

Germany:
Big Dutchman International GmbH
Postfach 1163 · 49360 Vechta
Tel. +49(0)4447 801-0 · Fax -237
big@bigdutchman.de
www.bigdutchman.de

USA: Big Dutchman, Inc.

Tel. +1 616 392 5981 · bigd@bigdutchmanusa.com
www.bigdutchmanusa.com

Brazil: Big Dutchman (Brasil) Ltda.

Tel. +55 54 2101 5900 · bigdutchmanbrasil@bigdutchman.com.br
www.bigdutchman.com.br

Russia: 000 "Big Dutchman"

Tel. +7 495 2295 171 · ikotov@bigdutchman.ru · www.bigdutchman.ru

Asia and Pacific region: BD Agriculture (Malaysia) Sdn. Bhd.

Tel. +60 3 3361 5555 · bdasia@bigdutchman.com · www.bigdutchman.com

China: Big Dutchman (Tianjin) Livestock Equipment Co., Ltd.

Tel. +86 10 6476 1888 · bdcnsales@bigdutchman.com
www.bigdutchman.cn