

BIG DUTCHMAN

Big Dutchman with largest presence ever at VIV Europe 2010.

Experience and future-oriented innovations in abundance

This year Big Dutchman once again excels not only with successfully proven equipment but also numerous future-oriented innovations at VIV Europe in Utrecht – as well as with its largest presence ever at one of the leading European trade fairs for modern poultry management.

In particular egg producers will not be able to get past the Big Dutchman booth: the 800 m² large exhibition space assembles the fair's largest number of state-of-the-art alternative management systems as well as modern colony systems for economic egg production. By now Big Dutchman has equipped



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poultry houses with aviaries for more than 25 million laying hens. This impressive number reflects the vast know-how and experience the German world market leader has accumulated throughout the



years in the field of alternative layer management. The result is an extensive range of proven products and technologies including effective climate control and lighting concepts for organic, free-range and barn egg systems.

The *WIN 4-computer* for less cracked and hairline-cracked eggs is one of the examples of experience-based technology. The worldwide first fully automatic system for enriched colony systems ensures that the eggs do not pile up between the nest and the egg belt during the main laying phase. This is accomplished by weighing the egg channel in front of the nest area at several locations in the barn. If a certain egg weight is reached, a load cell transmits a signal to the WIN 4-computer which then issues a command to pull all longitudinal belts forward.

Among the attractive introductions is also *Amacs 2.0*, a comprehensive update of the intelligent Big Dutchman agro management and control system for modern egg production,



Experience-based technology:
the successfully proven NaturaNova Twin-aviary

broiler growing and broiler breeder management. Amacs 2.0 covers an impressive number of brand new features. One of these includes the fact that now up to 20 persons can simultaneously access the system. Also new is that varying user rights

can be granted and that it is possible to manage 50 user profiles altogether. These range from full access by the farm controller and thus the control of a whole farm complex to limited user rights which may not, for instance, exceed the right to control the climate in a clearly specified amount of houses.

Yet another highlight is the broiler cage *Avimax*. The main feature of *Avimax* is the easy-to-use tilting floor that facilitates the moving-out process. It allows for a low overall height of the installation while pro-

viding maximum headroom in the bird area. This makes for higher stocking densities, low building and energy costs and optimum air exchange.

Big Dutchman furthermore introduces the newly-developed, user-friendly *ELS4-controller* for broiler breeder houses. It enables an automatic adjustment of feed line heights – accurate to the centimeter. Up to four feed lines can be regulated, with the heights individually adjustable.

On the other hand, the program on display also gives proof of Big Dutchman's constant commitment towards the development of future-oriented technologies.

In the field of exhaust air treatment, for example, Big Dutchman has attractive innovations on display. With *MagixX Poultry* Big Dutchman introduces a new air washer for poultry houses. Although *MagixX Poultry* is brand new its working principle is still the result of extensive know-how developed and successfully proved in other Big Dutchman business divisions.

or to provide 200 households one year with electricity (annual average use of 0,75 kW per household).

Big Dutchman International GmbH
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Another newcomer to be introduced is a centralised vacuum cleaner which complements the company's water-free dust filter *StuffNix* to perfection: it automatically sucks in the dust *StuffNix* emits and conveys it via prefilter to big bags where the dust can temporarily be stored until it is further processed.

For the first time ever on display worldwide will be a novel gasification system with a capacity of 150 kW which transforms dry poultry manure from up to 80,000 layers into electricity. The organic residue is first pelletized; the pellets are then gasified and energy is generated in a combined heat and power plant. The clou is: the ashes can still serve as fertilizer whereas the energy produced allows to warm 25 households for more than one year (maximum 10kW heat output)

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Air washer *MagixX Poultry*:
Future-oriented innovation
made by Big Dutchman

