

Egg counting



Hotraco Agri develops and produces various types of egg counters based on the desired counting accuracy, the housing method and the set-up of the poultry house.

Insight into egg production is essential to measuring the performance of your livestock

The EMEC egg counter keeps track of the number of eggs on each conveyor with meticulous precision, without any need for the eggs to be transported in single rows or in a specific direction. Under normal circumstances the EMEC egg counter demonstrates a precision of 99.8% or higher.

EMEC-12 and EMEC-12-20



These systems are ideally suited for recording eggs conveyed by an egg conveyor on a collecting or lateral conveyor (e.g. in poultry houses with group housing). The eggs can be counted automatically by row or by level. The system will also automatically count eggs conveyed via an egg lift or elevator. With a scan width between 120 and 200 mm, these two systems are our smallest egg counters.

EMEC-12-30 through EMEC-12-50

These egg counters are used to their best advantage in poultry houses with free-range accommodations or aviaries. With a triple, quadruple or quintuple scan width, in comparison to the EMEC-12, they provide an excellent alternative for counting per laying nest. The width of the egg conveyor generally varies between 250 and 450 mm.



Stationstraat 142
5963 AC Hegelsom
The Netherlands

T +31 (0)77 327 5020
F +31 (0)77 327 5021
info@hotraco-agri.com
www.hotraco-agri.com

Hotraco Agri is a globally operating supplier of innovative computerized systems for use in the pig and poultry sectors specialised in creating and maintaining an optimum indoor climate. Hotraco Agri's main focus is on the development and manufacture of customized computers that regulate, control and monitor the overall animal house system. From climate control and air conditioning, feed and water control, animal weighing, egg counting to fire safety. Over 100 employees serve customers on all continents with innovative and technically advanced systems. The fact that Hotraco Agri has its own R&D and development department means that it is ALWAYS able to deliver customized products and develop problem-specific solutions.

Helpdesk 24/7

Hotraco's helpdesk and service centre is available 24/7. Our team has the possibility to monitor and control our clients' systems, wherever in the world, via state of the art ICT technology.

EMEC-30 through 75

These series are particularly suitable for tallying the total number of eggs on an egg collecting conveyor. Egg counters in this series can be equipped with a display on which the actual number of eggs counted can be shown or from which the number of eggs that were counted per day can be retrieved, up to seven days back.

Connecting multiple egg counters in a poultry house to a single Orion computer will produce an accurate picture of the birds' current performance. Depending on the set-up of the poultry house and the number of egg counters, additional management data can be collected and displayed using the Rainbow+ program.



ORION-EGG

The ORION-EGG is an egg-counting computer that can be used in one or more poultry houses. Depending on how the counters are positioned, the eggs can be counted by row, by level or by barn. ORION-EGG can be applied in single or double lift systems, single or double elevator systems and in free-range or aviary barns. As the computer is also capable of controlling most conventional lift systems, this can result in significant savings on separate lift control devices. The ORION-EGG can regulate the supply of eggs by adjusting the speed of the egg conveyors to ensure that an optimum number of eggs arrive at the egg collection system.

Egg optimisation

A constant flow of eggs is essential to a smoothly running egg collection operation that uses an egg packer. EMEC egg counters and an Orion computer with egg optimisation software count the number of eggs processed through a lateral conveyor per hour. The computer calculates the optimal flow per egg conveyor in order to guarantee a constant flow of eggs to the packer. If necessary, the speed of the egg conveyor can be adjusted automatically. In addition, the computer will know when an egg conveyor is empty and will then send the lift to the next position.

ORION-OPT

The ORION-OPT is a computer that optimises the flow of eggs from various barns to a packer or egg collection system, while taking into account the various types of eggs, and communicates this via a network with the computers that regulate the egg-collection process in the poultry house. This automatically determines the supply sequence of the poultry houses and calculates the number of eggs that should be supplied from each barn per hour. The ORION-OPT guarantees a constant flow of eggs to the packer.

