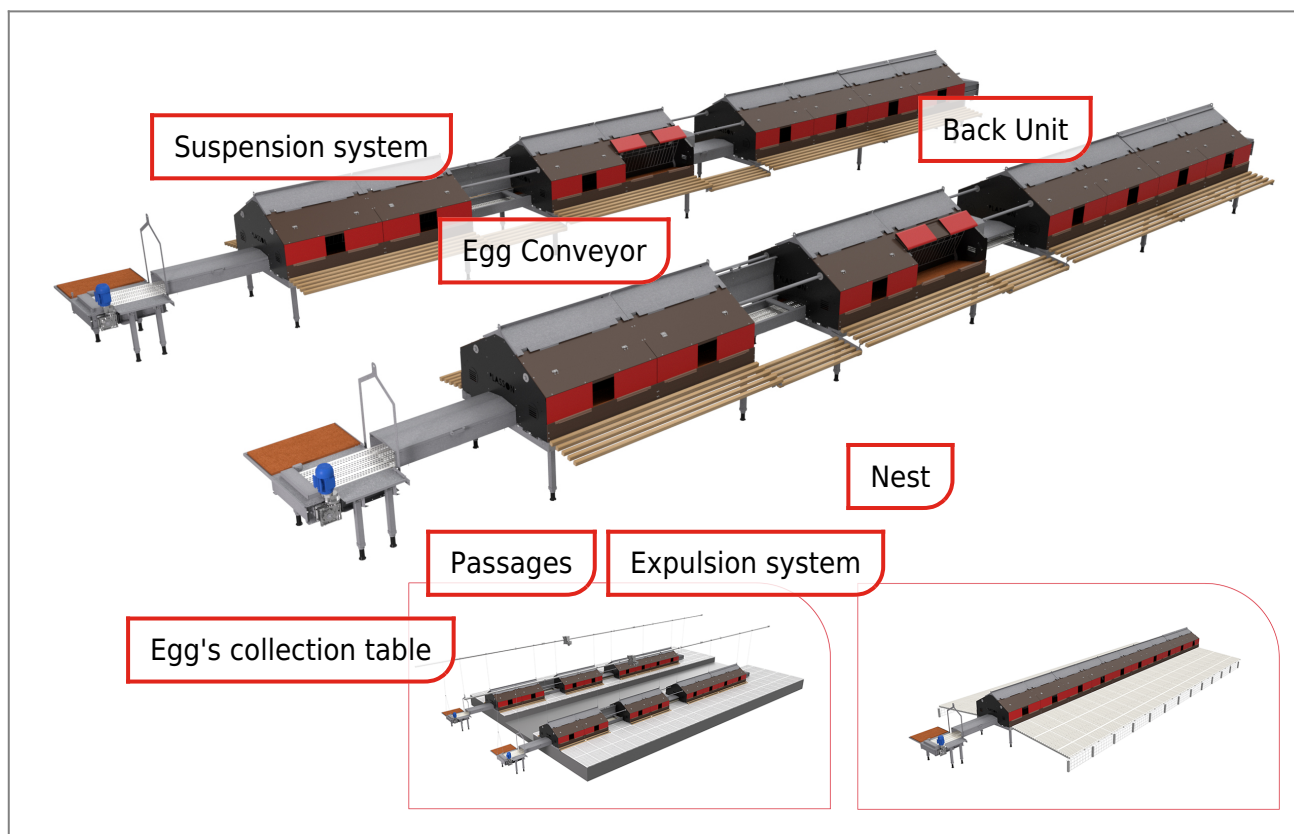


PLASSNEST

<https://solutions.plassonlivestock.com/system/plassnest-2/>



OVERVIEW

Plasson offers an innovative top of the line Layer's nesting system, called PlassNest.

The new nesting system was designed to ensure the ultimate conditions for egg laying, breeders and mating behavior.

The concept is based on 3 main principals:

1. No slats – Hence, no accumulation of manure under.
2. No limitations to move around (Floor is 100% available for mating and moving around).
3. Suspension system – System permits lifting at any time for ease access to lay and for cleaning at the end of the flock cycle.
4. Ventilation – The distributed configuration allows better ventilation inside the nest.

Layouts

The Plassnest is a modular system and as such, multiple different equipment layouts can be applied, according to the grower preferences:

1. 2 or more Distributed nest rows, with gaps between each nest



2. Central nest configuration with slats on both sides
3. Nests without legs that seats on the edges of the raised slatted area

Main advantages

Thanks to the dark black walls, and the improved ventilation, the birds feel safe and comfortable inside.

The PlassNest system allows easy maintenance and handling during the cycle and between cycles.

The system is fully suspended, thus allows heavy motorized working tools to enter the house for a thoroughly cleaning. This also significantly shortens the cleaning time window, between flocks and does not require to disassemble the nests.

The suspension system allows the grower, to lower the nest to the floor level, for training acclimatization period.

It is also recommended to raise the nest system during rearing period in AIAO houses.

Thanks to the lack of slats, the PlassNest increases the floor area by 10%, to ensure larger mating space and opportunities.

No slats also mean better ventilation along the house, thus prevents wet manure accumulation under the nests, ensuring a healthier and more ventilated environment for the birds.

The eggs are collected via a 40cm egg belt, that prevents breakage and cracks of the eggs. The egg belt is well protected by a lid, but also accessible for maintenance.

The Egg belt operates in various speeds and can be adjusted according to actual eggs load.

The PlassNest also have a motorized expulsion system, that can be preprogrammed according to the grower preferences and expel the hens out of the nest.

Plasson`s PlassNest is made of strong and durable materials, for longevity and minimum maintenance. Thanks to its automatic system, unnecessary entries to the house are saved.

Allows Flexibility in Nests layout, number of rows and nests, according to house dimensions and birds density (House structure optimization).



NEST

The nest is supplied as a single unit basic configuration (Single nest), and it can be extended to either a double nest module, or a continues extensions that creates full length row along the house.



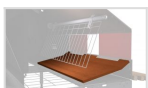
1 Vents

The Plassnest is equipped with Ventilation shutters and heat release paths, to allow better ventilation inside. The measured temperature inside the Plassnest is kept close to house ambient



2 Nest Roof

The Plassnest roof is made of two parts: the metal part, that is designed to allow air movement inside the nest with Chimney effect, thus creating a ventilated, free of gases and comfortable environment for the hens to lay. The wooden part of the roof has hinges and can be folded upwards to allow easier accessibility for the grower

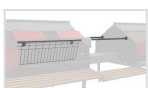


3 Floor Mat

The floor mat is made of Plastic and can be easily removed for maintenance and cleaning



4 Flaps



5 Expulsion system

The auto-expulsion system, enables the grower to drive out hens that continues incubating their eggs. During nighttime the nests can be closed. The system can be preprogrammed to expel the birds in a specific hour every day



6 Foldable legs

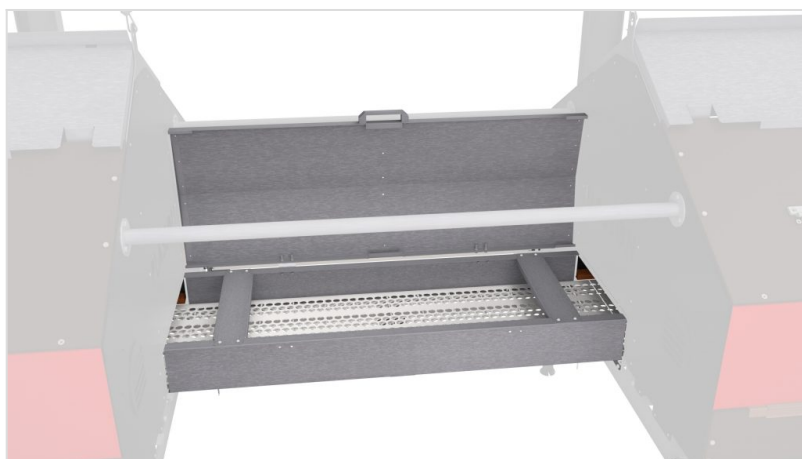


The Plassnest is equipped with foldable legs, to allow entrance of heavy motorized working tools inside the house, for easy cleaning while the nest is lifted. This feature also allows the grower to lower the nest to the floor level, during the training acclimatization period. (Teaching the hens to enter the nest freely)

7 Adjustable Leg height



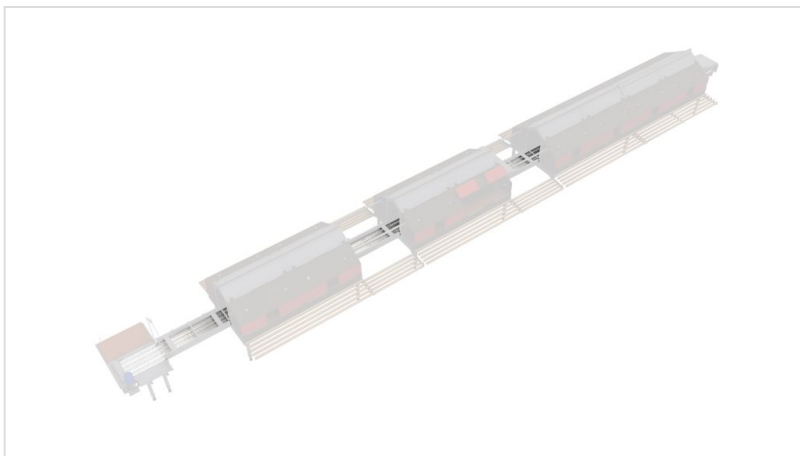
Each leg has Plastic height adjuster part, that allows proper balancing of the system, when floor is not 100% leveled. Can be adjusted for different genetics. This part is made of plastic to prevent corrosion and ensure its longevity



PASSAGES

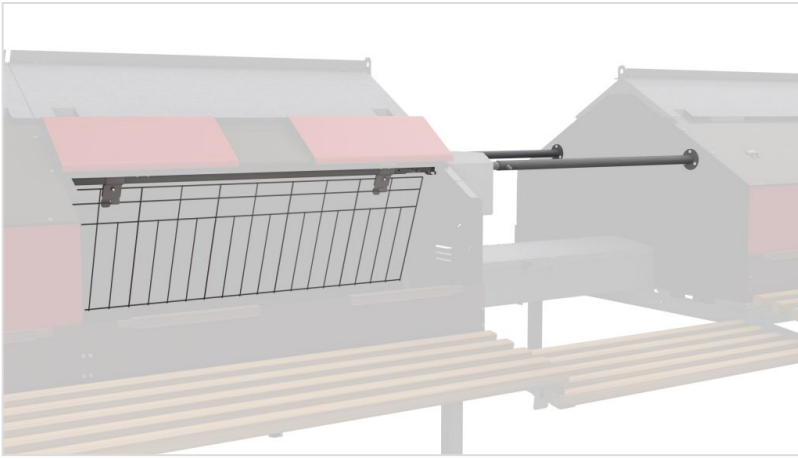
The passages can be ordered in various lengths, to maximize the nest layouts possibilities and to match any bird's density and other market demands:

120cm
150cm
180cm
210cm
240cm



EGG CONVEYOR

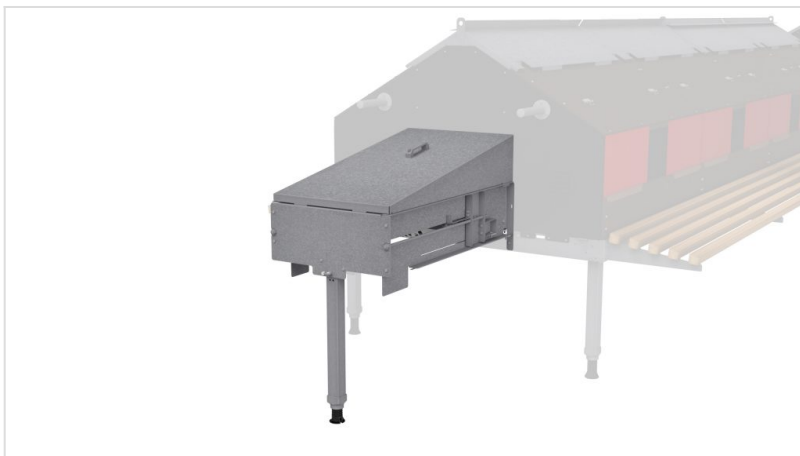
The egg belt is made of polyethylene and is 40cm wide, to prevent eggs breakage and cracks.



EXPULSION SYSTEM

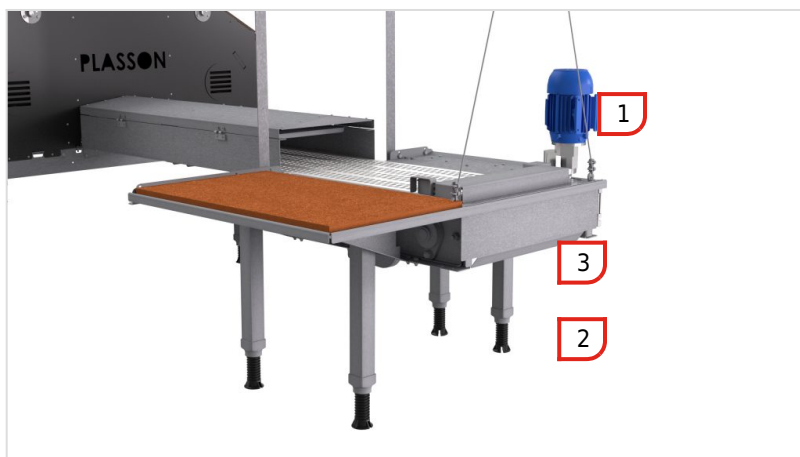
The auto-expulsion system, enables the grower to drive out hens that continues incubating their eggs. During nighttime the nests can be closed.

The system can be preprogrammed to expel the birds in a specific hour every day.



BACK UNIT

The back unit includes a roller cylinder to keep the egg belt at the right tension, and a cleaning brush. The unit cover can be removed for easy maintenance.



EGG'S COLLECTION TABLE

The egg collection table is positioned at the service room of the house and enables a fluent and efficient eggs collecting including automatic emergency stop mechanism.

The egg belt system can be also connected to a Farm egg conveyor, that collects the eggs from all the houses in the farm.



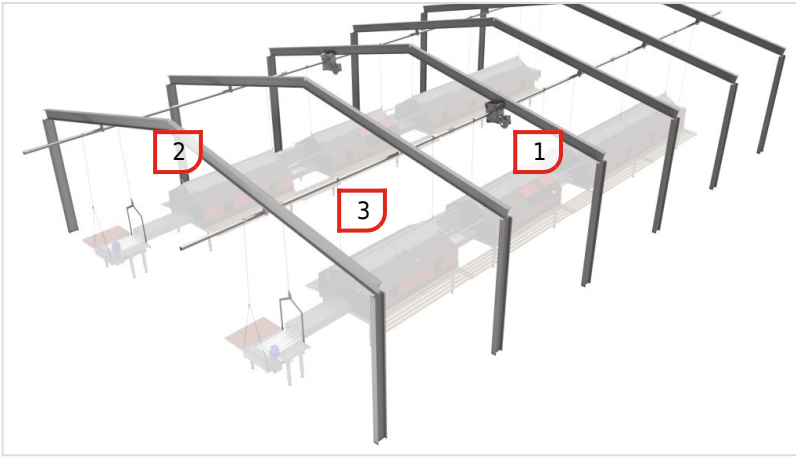
1 Motor



2 Table underside



3 Table end



SUSPENSION SYSTEM

The suspension option in such system, gives many advantages to the grower:

It enables the grower to lower the entire row of nests to the ground level, during the rearing training period. The birds feel comfortable to enter the nests without jumping and get used to lay their eggs there.

It also enables the grower to raise the entire row of nests up to the ceiling, thus creating an easy passage for tractors and other motorized operating tools to clean the house efficiently and fast, between flocks. Without the need of dismantling the system.



1 Suspension motor & Rolling pipe



2 Suspension Bracket



3 Suspension Cable