



AVIARY SYSTEMS STANDARD



HARMONY AVIARY SYSTEMS

The Harmony aviary system has been developed by LANDMECO on the basis of many years' experience in manufacturing equipment for egg producers.

The system is suitable for all types of egg production. As LANDMECO develops and manufactures Harmony itself, the system can be easily adapted for existing housing units with customised solutions that meet the wishes and requirements of individual producers. Everything is designed using 3D drawing software, allowing customers to visualise our proposed solutions!

Common to all our solutions is that they are designed as staggered tiers, ensuring optimum utilisation of floor space. The Harmony system meets German KAT requirements as well as EU requirements.

Freedom of movement

Harmony 3+1 consists of three staggered tiers with droppings conveyors. As standard, the system has facilities for perches on a fourth tier. The system's design allows the hens to move freely between the various tiers and the floor. Such freedom of movement encourages the birds' natural behaviour and improves their welfare.

Our range also includes Harmony 2+1. The only difference is that Harmony 2+1 has only two staggered tiers with droppings conveyors. This model is commonly used in housing units with low ceiling height.



Egg quality

The LANDMECO nesting system with staggered tiers has been in production since 1980. Experience has shown that the design ensures gentle egg handling, resulting in very few cracked or dirty eggs. As the egg belt is positioned beneath the nest, eggs roll easily and slowly away and need only cover a short distance (max. 25 cm) before reaching the belt.

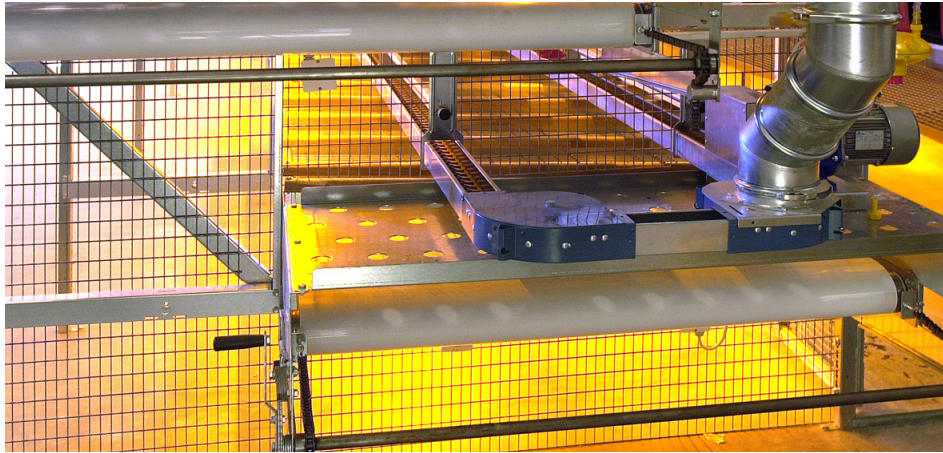
The unique nest depth of 2 x 55 cm and total nest width of 113 cm allow maximum utilisation of floor area as no space is wasted by the egg belt. The nest is also available with an additional tier above (the same as with Harmony). And if a Rolls Royce solution is required, the system can also be equipped with motor-driven brushes on the egg belt. For further details, see the "Roll-Away Nest" brochure.

The design also favours the producer as the staggered arrangement allows an unobstructed view of all tiers simultaneously and continuously. Individual tiers are also easily accessed.

**Unobstructed
view**



HARMONY ETAGESYSTEMER



Lighting

LANDMECO offers various types of lighting for the systems. For example conventional 230 V sockets for low-energy bulbs, 24 V LED light hoses and 24 V LED light tubes with built-in reflector. Dimmers are available for all light sources.

Please request a brochure for further details.

THE MATERIALS USED BY LANDMECO ARE OF SUPERIOR QUALITY

Manure belts

Each belt has its own drive unit and can therefore be run individually.

The drive unit contains heavy-duty, rubber-coated pressure rollers, which ensure optimum contact with the drive roller. The unit is also equipped with a weighted roller, which partially compensates for temperature dependent belt elongation.

In the event of extreme temperature fluctuations, a tensioning device on the return end can also be used. Belt tensioning can thus be accomplished in seconds.



Areal per running metre:

Harmony 3+1	4,365 m ²
Harmony 2+1	2,910 m ²
Tier above nest:	1,455 m ² (optional)

Nets area

The nest has an area of 2.2 m² per running metre.

Perches

Harmony 3+1 and 2+1 are available with built-in perches of approved hardwood and/or round perches of galvanised Ø30 mm piping. Egg savers are also available.

Thanks to the many combinations, requirements on the number of perches can always be met without having to add extra perches outside the system.

Cleaning

Harmony 3+1 and 2+1 are designed for ease of cleaning. Great importance is therefore attached to the use of open profiles with as few joints as possible. The system need not be dismantled for cleaning.

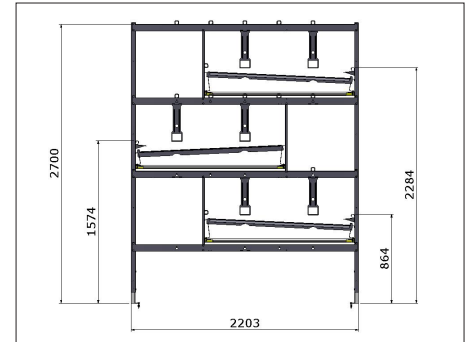
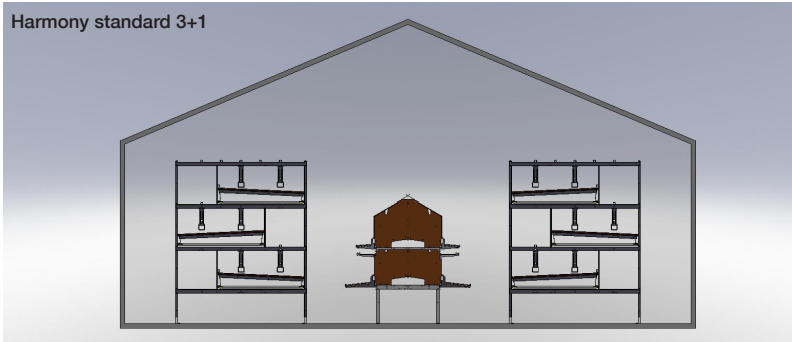
Superior quality

The materials used by LANDMECO are of superior quality when compared to those of our competitors. Only materials from acknowledged suppliers are used, thus providing Harmony with exceptional durability and service life. Harmony systems are always supplied with adjustable, stainless legs.

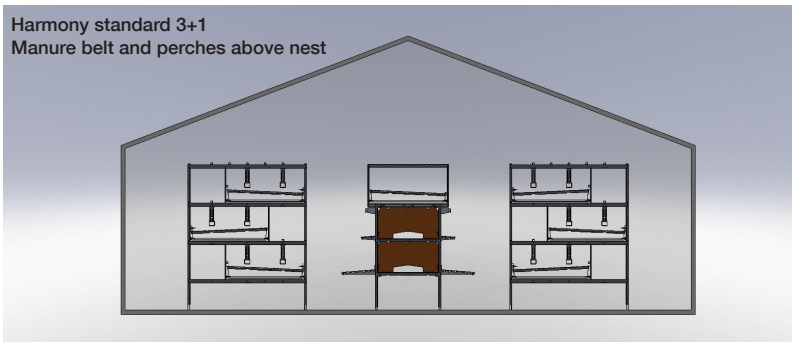
TECHNICAL SPECIFICATIONS

Examples of various aviary system layouts

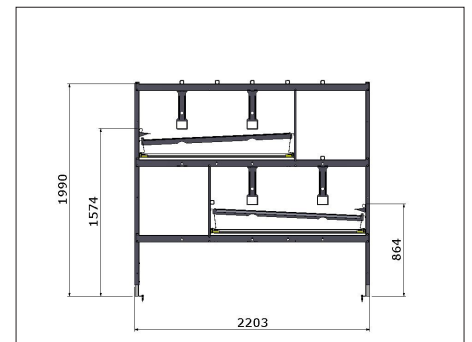
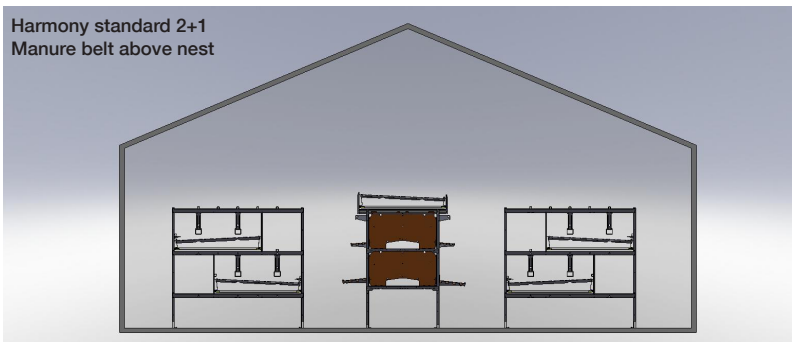
Harmony standard 3+1



Harmony standard 3+1
Manure belt and perches above nest



Harmony standard 2+1
Manure belt above nest



See also LANDMECO brochures on, for example:
(LANDMECO retains the right to alter specifications without notice)



CHAIN FEEDING



DRINKING SYSTEMS



ROLL-AWAY NEST



AVIARY SYSTEMS - COMBO2

AGENT

farmtec®

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