



AVIARY SYSTEMS XTRA





XTRA BIRDS IN THE HOUSE

The Xtra was created in order to provide more system area on less space. This targeted development led to a narrow aviary system with as much as 4.70 m² system area per running meter. A system which really utilizes the m² in the houses optimally.

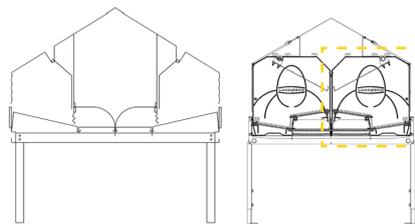


XTRA SPACE IN THE NEST

The unique design in LANDMECO's new nest, where the egg belt is positioned directly beneath the nest, allows it to be about 25% larger than otherwise.

The design gives the nest a depth of 2 x 56,5 cm (total nest width of 114 cm). There is thus extra space for the hens, both in depth and height.

Such additional space is a big advantage as the hens begin their daily egg laying almost simultaneously.



COMPETITOR

LANDMECO



XTRA EASY ACCESS TO THE NEST

The Xtra's narrow design locates the nests directly next to the aisles, giving an extra easy access to the nest and thus optimal conditions for good management.



XTRA GENTLE EGG HANDLING

LANDMECO's nest is developed with particular focus on minimizing all potential shock impacts from the egg leaves the hen until it reaches the packing station. All contact points have been thoroughly tested with an electronic egg that measures the power of the shock impacts, and system solutions have been fine tuned again and again until the shock impact was eliminated/minimized.

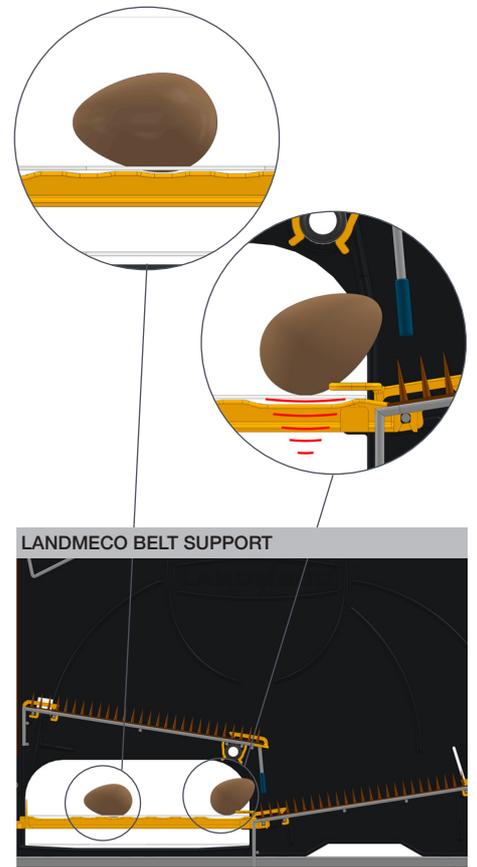
The result is a nest which is extremely gentle. Clean eggs are ensured through effective gentle brushes on the drive unit and return, as well as effective mat solutions.

The nest design with staggered tiers is known to treat the eggs carefully with very few cracked and dirty eggs. The location of the egg belt under the nest, combined with a flat slope of the mats makes the eggs roll easily away but at low speed and only with a short roll length (app. 25 cm) before the egg reaches the egg belt.

The egg belt lies on a support, which is also a potential shock impact, when the egg hits the perforated egg belt. But LANDMECO's specially designed Belt Support in plastic is designed to ensure clearance in the support in all the places where there is a hole in the egg belt. This prevents an otherwise potentially hard contact point completely. The plastic is made from a low friction material.

Clean eggs are ensured with a motorized brush on both the drive unit (hard brush) and the return unit (soft brush - optional) to ensure less dust and dirt and thereby cleaner eggs.

Mat solutions that prevent dirty eggs: The lower mat is perforated so the dirt falls through the mat and disappears from the nest. The upper mat is completely sealed at the bottom in order to prevent eggs from becoming dirty. LANDMECO uses AstroTurf mats which are extremely durable and carry a 8-year warranty.



XTRA GOOD DETAILS IN ALL SOLUTIONS...



Drive unit

LANDMECO is using a simple solid solution, suitable for humid environments.

The specially developed drive unit is designed to ensure the operational reliability on the wide manure belt.

Return unit

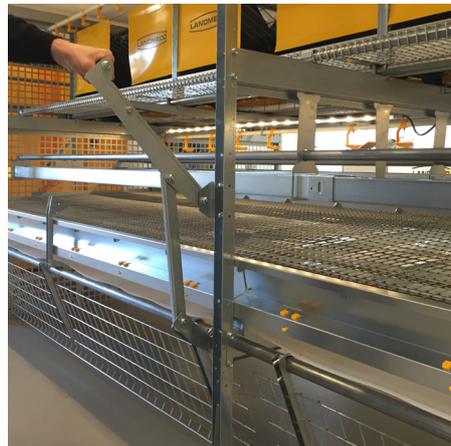
On the Xtra, a waste tray is mounted on the manure belt as well as the egg belt. The waste tray furthermore has a self-cleaning integrated auger which transports all the waste away automatically.



Centrally controlled netting

The hinged netting beneath the Xtra can be centrally controlled either manually or automatically.

In both solutions one unit can manage 14 sections in the system.



Xtra easy to mount

The Xtra's very simple construction with stronger and more solid materials, allowing the system to be mounted by fewer parts, makes it very quick and easy to mount.

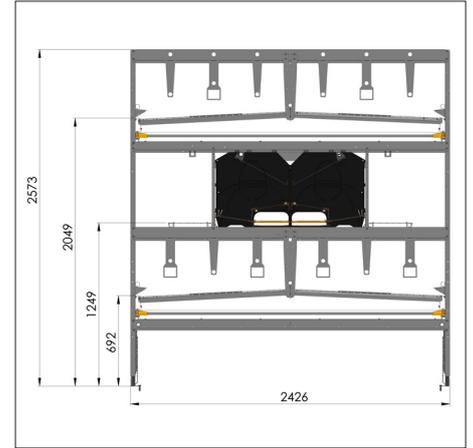
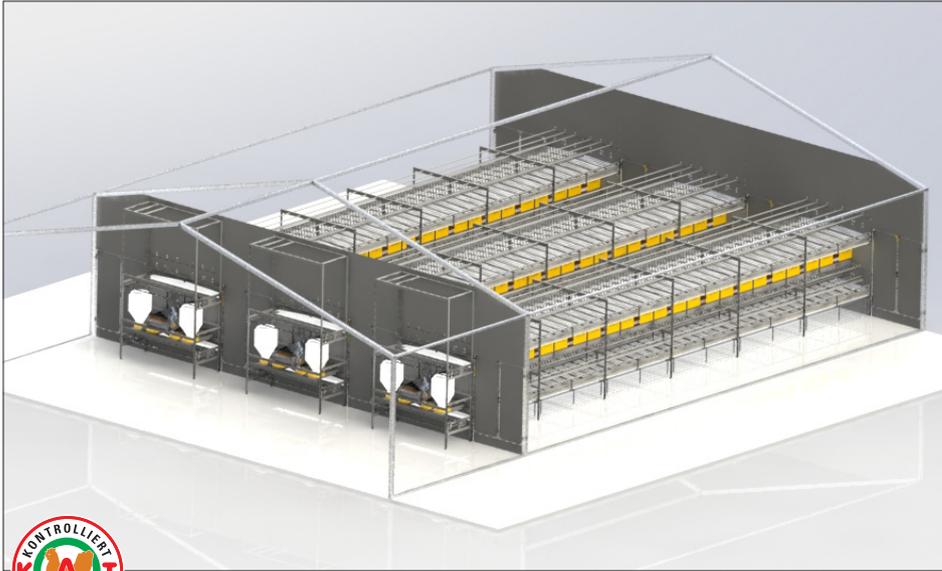
Xtra good cleaning & hygiene

Again, the Xtra's simple construction and fewer parts are big advantages, as they lead to fewer joints.



TECHNICAL SPECIFICATIONS

Example of the Xtra aviary system, Alternative production:



9,72 birds per m²

Example, Organic production
 Length, system: 88.20 meters
 Width, system: 14.00 meters
 Width, winter garden: 7.00 meter
 Width, aisles: 1.68 meters
 Number of rows: 3
 Number of birds: 18.000
Number of birds per m²: 9.72

17,45 birds per m²

Example, Conventional production
 Length, system: 85,75 meters
 Width, system: 20,00 meters
 Width, aisles: 2,06 meters
 Number of rows: 4
 Number of birds: 30.000
Number of birds per m²: 17,45

XTRA FACTS

System area:
 4,7 m² per running meter

Nest area:
 1,143 m² per running meter

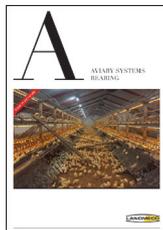
Feed trough:
 Up to 8 meters per running meter

Perches:
 Up to 24 perches per row

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



AVIARY SYSTEMS
COMBO



AVIARY SYSTEMS
REARING

DEALER

MPA 