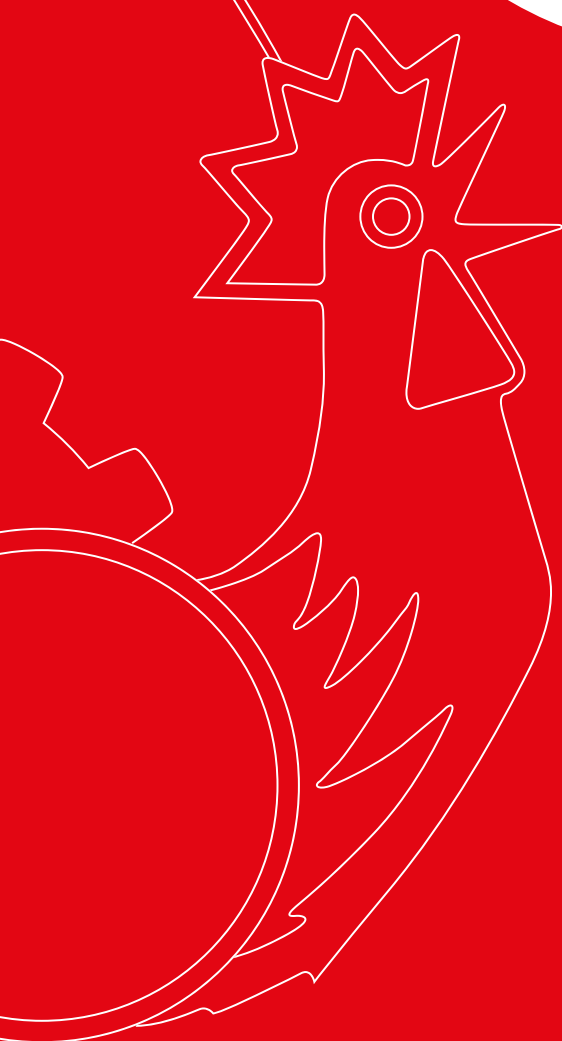


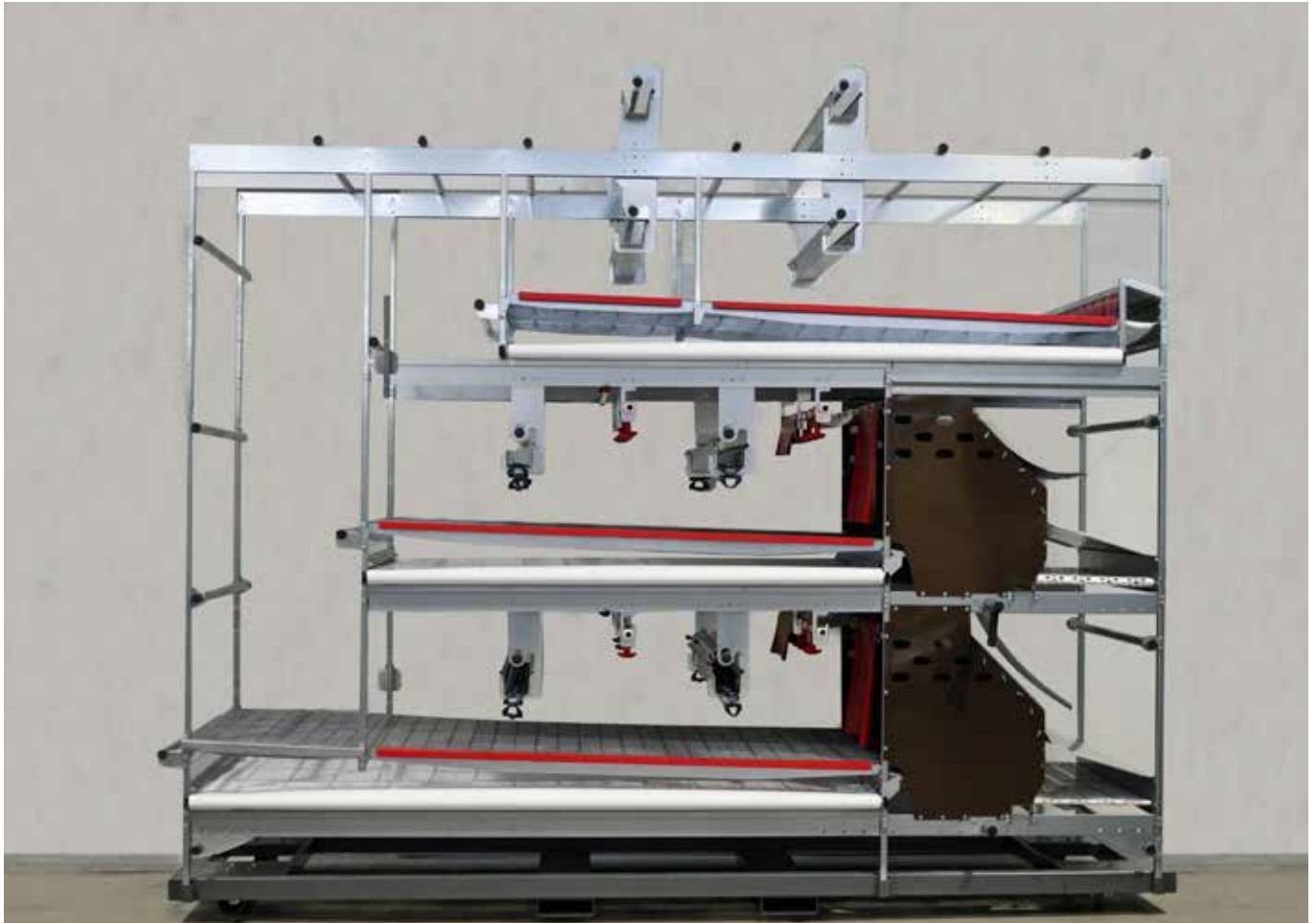


LIBERA DECK



FACCO
POULTRY EQUIPMENT

The **LIBERA DECK** cage free **system** was born as the latest evolution within the Facco world of Layer systems, with the goal of **spatial** in terms of operator management. This involves a spatially enhanced and above all highly **flexible** environment: indeed, the system can be completed with the addition of various accessories.



The system is built on **three levels**, with a pyramid structure which facilitates inspections, combined with the possibility to **maximise the liveable area increasing available surfaces**. In fact, thanks to the expansion of horizontal areas, the surface area available for breeding has been exponentially increased. This stimulates a freer movement of the hens inside the system, without interfering with accessibility features.

Thanks to its modular construction, it can be configured either in a single or double row joined by an intermediate bridge module (the measurements of this can be customised according to the size of the shed) with a manure removing system that keeps it clean. The high-quality eggs are produced in compliance with currently effective laws, keeping in mind the increasing consumer demand for high quality eggs laid by hens bred in cage free systems.

Libera Deck offers optimal performance and management costs.

- **Welfare**
- **Flexibility**
- **Maximisation of available space**

NESTS

The laying nests, delimited by the sides and by the plastic curtains, are **quiet and comfortable keeping the hens separated** from the other areas. These are located exclusively on the second tier, so that the laying hens can lay their eggs in total comfort and ease. The gentle slope of the floor allows a smooth rolling down of the eggs to the collecting belt preventing from sagging or breakage.

The nest floor is a soft AstroTurf mat, with a conformation that impedes the accumulation of dust, feathers or manure, while offering a natural sensation for the hen's feet and **favouring the air circulation**. Thanks to its feature the floor remains a **clean and perfect place** for the laying of eggs.



The special design of the nests minimizes the risk of breakage or floor eggs, and ensures zero overcrowding stress. The expulsion system, that can be set up from the operator, raises the mat gently, leading the hens to exit the nest and facilitating the cleaning operations.

PERCHES

The perches are designed for a firm grab of the hens to facilitate the jump and flight within the system structure to easily reach every tier. The special 45° inclination eases movements from tier to tier and across the various perching areas, encouraging mobility so the productivity. A solid and stable structure with a smooth and even surface allows for optimal cleaning.



FEEDING SYSTEM

The **flat chain** feeding system, introduced by Facco during the 1970s, is ideal for feed distribution in the commercial layer and broiler houses. It is **safe** and **reliable** and its adjustable speed can be adapted to all types of production plants, guaranteeing high and adequate distribution of the feed.

The circuits are installed on all levels of the system. Their extreme **flexibility** makes it possible to increase their number in relation to the number of animals present in the system, fulfilling a variety of needs. The hoppers can vary in capacity, thus feeding multiple circuits simultaneously.



DRINKING SYSTEM

The FACCO nipples are functional and precise, they guarantee waste-free high water supply and are ideal for all types of birds. Furthermore, our wide range of products allows for customization of the number of nipples according to the bird population. These are located exclusively on the nest tier, in observance of the daily cycle of the hens during the laying of eggs. This also greatly reduces the floor eggs.

Our drinking system lines are equipped of:

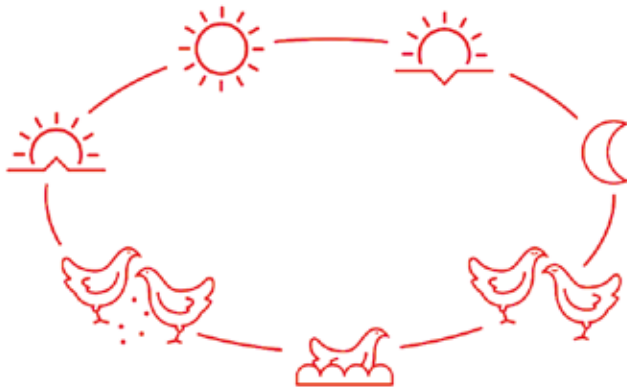
pressure regulators, a discharge unit with integrated cleaning system, filters, medication dosing systems and litre-counters.



LIGHTING SYSTEM

Lighting is a key element in farming plants affecting the correct hens **physiological balance** and impacting on the bird movement within the structure.

The use of LED tube lamps ensures **optimal regulation** of luminous intensity in addition to excellent **energy savings**.



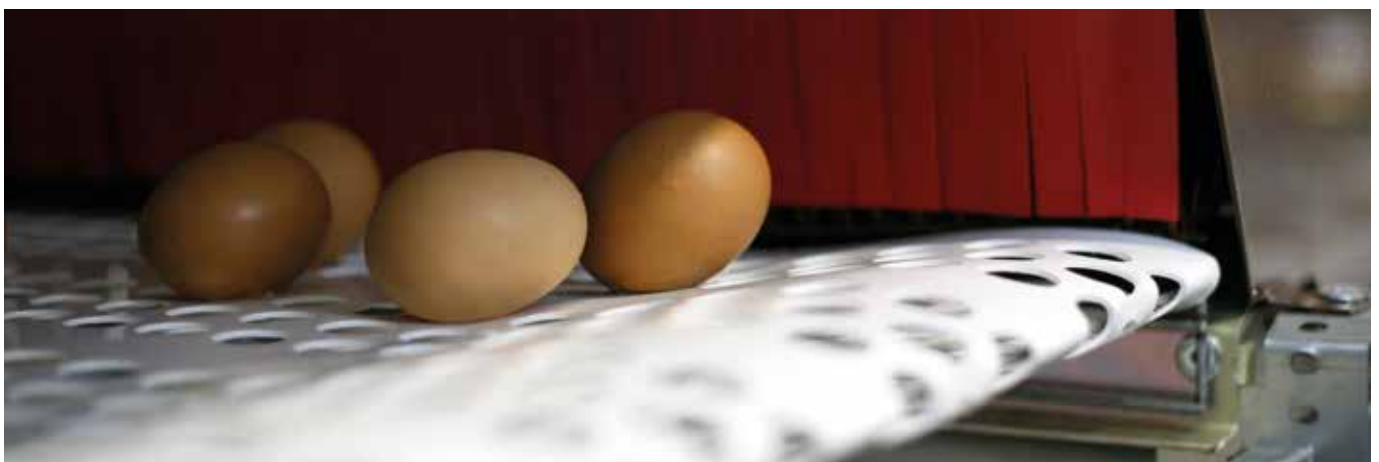
The system, which can be programmed automatically, reproduces the typical day of the hens, setting a **correct routine** in their life cycle.



EGG COLLECTION

The slope floor allows the eggs to gently slide towards the collection belt, which is made of perforated polypropylene, a material which facilitates **cleaning operations**. The LIBERA DECK system also has a collection belt on the 3rd level, in order to avoid the loss of eggs laid outside the nests. Speed can be adjusted according to the quantity of eggs, facilitating collection by the operator.

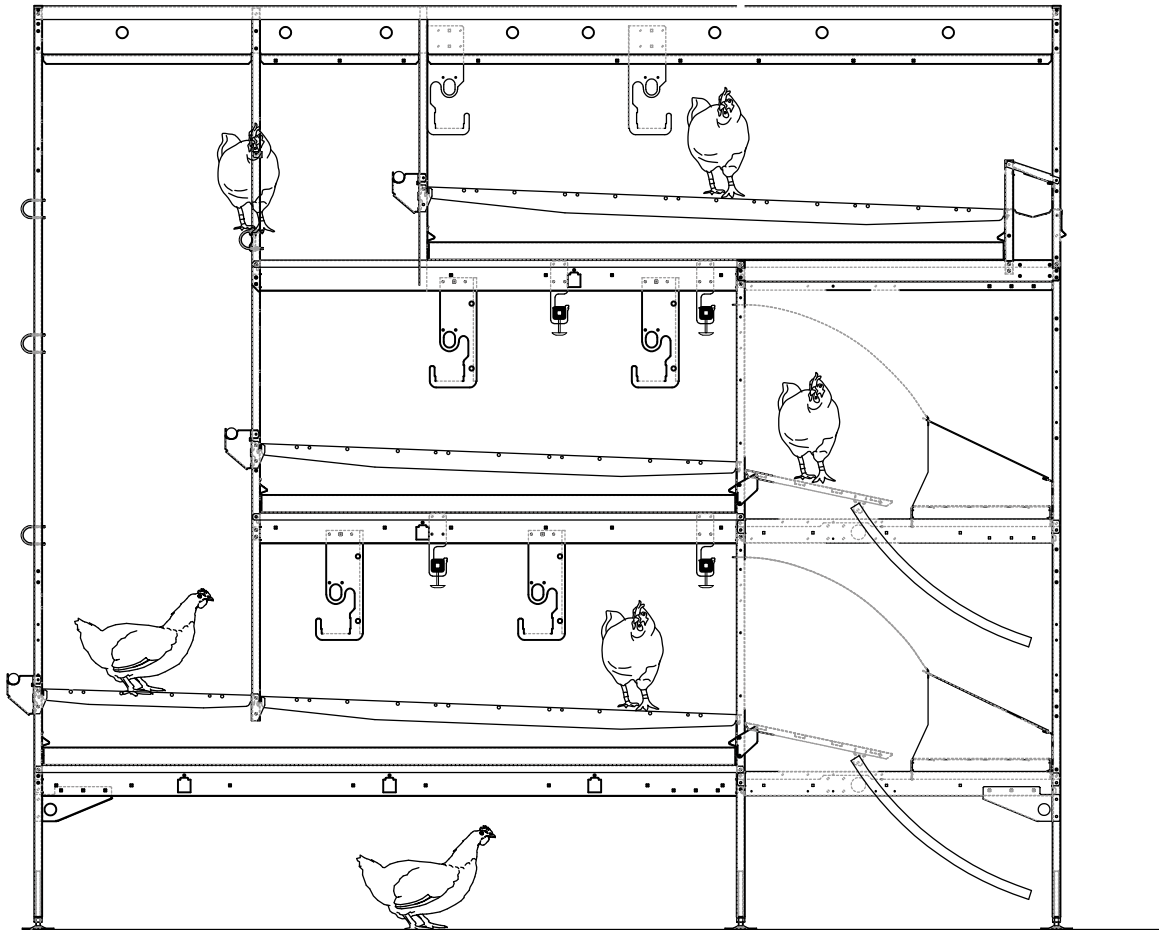
The FACCO NIAGARA – The original – egg collection system seamlessly combines **collection speed, durability, reliability, low consumption levels, low, simple maintenance** and above all a **delicate processing of the eggs**, an essential feature in order to minimise micro-fractures. The eggs reach their destination in stable conditions and rapid times, **minimizing breakage issues**. Each movement has been designed with attention and expertise, translating into one of the most-imitated designs in this sector.



TECHNICAL FEATURES LIBERA DECK

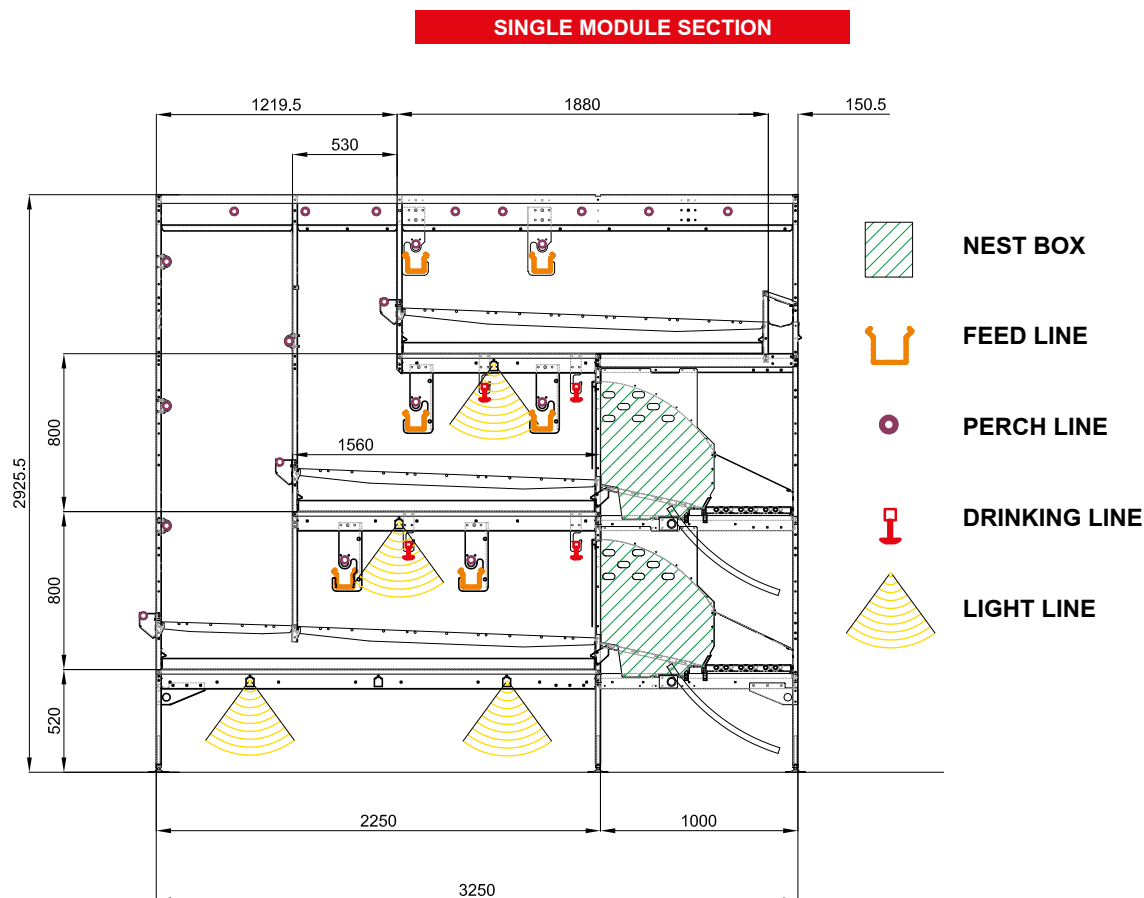
In 1 linear meter battery:		
NUMBER OF HENS	~ 51 / m	~ 15,6 / ft
FEED TROUGH	1200 cm / m	144 in / ft
PERCH	1800 cm / m	190 in / ft

In a module 3,66 m / 12 feet:		
NUMBER OF HENS	213	213
FEED TROUGH	4392 cm = 439 hens	1729 in = 439 hens
PERCH	5788 cm = 439 hens	2279 in = 439 hens

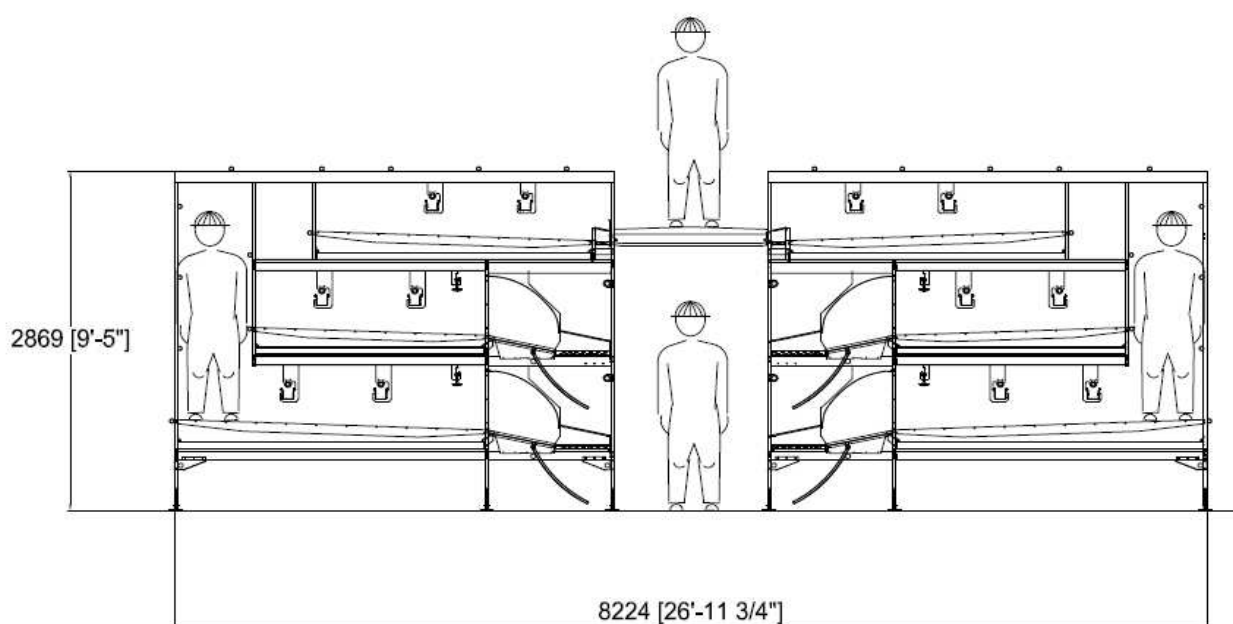


Note: The square meters available for each hen in this layout concern just the space of the basic module. Instead, it is necessary to consider that in this basic module there are no accessories to increase the scratch area. Furthermore the litter area depends on the surface of the of the shed's floor that therefore depends on the shed's dimensions. Indeed it is possible to customize the modules in order to comply with every request based on the dimensions of the shed.

TECHNICAL FEATURES LIBERA DECK



With a minimum internal aisle width of 1,2 meters the aviary system reach a total width of 8,2 meters. With external corridors of 1,5 meters the aviary system can be placed in existing buildings with measurments not less then 11,2 meters width and 3,3 meters high.





FACCO

POULTRY EQUIPMENT

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