

# Loggia

Alternative Housing System / Aviary for Layers

ALTERNATIVE  
HOUSING SYSTEM/AVIARY  
FOR LAYERS

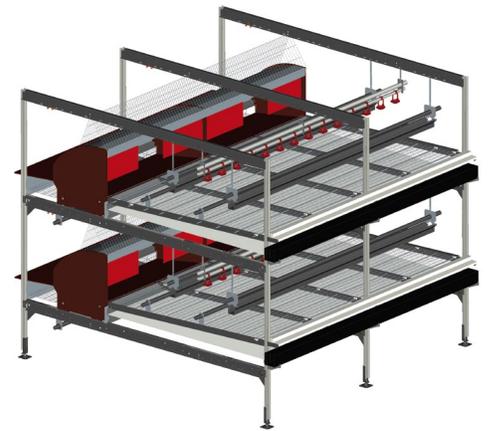
[www.farmerautomatic.de](http://www.farmerautomatic.de)

- ✓ System lighting\*
- ✓ Feed chain
- ✓ Manure belt rollers
- ✓ ZINAL5® floor grates
- ✓ Hot-dip galvanized components
- ✓ Self-rotating dust auger in the manure belt
- ✓ PA protective-coated floor grates\*

# Loggia Aviary Housing System for Layers

The Farmer Automatic Loggia system is the easy-to-use aviary housing system for layers. With its intelligent design features and optimized arrangement of all supply units, Loggia supports fast, convenient management of the system and livestock.

Farmer Automatic also offers the system in the Loggia Plus version with the same properties and benefits. Both versions differ in terms of system width. This allows Loggia to be efficiently configured for different house dimensions.



▲ Thanks to the low system height a second floor can be installed on top of the system.



The Loggia system – shown here with additional perches.

# Loggia – Advantages and Benefits

## Excellent Egg Quality

The Farmer Automatic Loggia aviary housing system features an advanced design to achieve excellent egg quality and maximize the percentage of marketable eggs. Each tier of the system is equipped with nests. Short routes and good accessibility to the nests minimize the number of system- and floor-laid eggs. Sloped floors in the nests allow eggs to roll directly onto the egg belt, where they are protected from soiling and pecking. To prevent the birds from soiling the nest at night, the nests are locked by the mechanical sloped floor. Thanks to the slight slope of the floor grating, system-laid eggs automatically roll onto the egg belt, thus significantly reducing the number of downgraded eggs. The Farmer Automatic Swing Elevator ensures particularly gentle egg collection from the belts and transportation to an egg conveyor. The optional PA/ polyamide protective coating\* on the gratings helps to keep the eggs clean by preventing manure from sticking to the grating. The system should be equipped with customizable, energy-saving LED lighting\*. This promotes the well-being of the livestock and thus contributes to improved laying performance and egg quality.

## Optimized Stocking Density

The different system widths available with the Loggia and Loggia Plus aviary housing systems support versatile combinations as required. This enables economic and efficient utilization of the available floor space along with optimized stocking density while ensuring compliance with national regulation requirements. An additional feed line with perch\* helps to optimize bird population and can be installed on the top of the system on customer request.

## Fast and Continuous Feed Supply

The Farmer Automatic Loggia aviary housing system uses the unique Farmer Automatic feed chain to ensure an even supply of fresh feed to livestock. The feed chain, made of wear-free and durable steel, is gentle on the feed trough and ensures a fast and uniform feed mix and distribution.

## Well-being and Livestock Health

The Farmer Automatic Loggia aviary housing system effectively supports the health and well-being of the livestock. It contributes to a high laying performance and excellent egg quality. The tip plates above the system prevent soiling of the nest cover. A manure belt aeration tube\* that is available on customer request helps to dry the manure, thus promoting a pleasant environment. The

system also promotes the well-being of the livestock. The floor grates are supported by flat sections from below. This results in a continuous floor space, free of edges and corners, on which livestock can move safely. Due to their triple corrosion protection the high-quality ZINAL5® floor grates ensure particularly low wear and contribute to a pleasant walking environment, as well as reducing callus formation. ZINAL5® comprises 95% zinc and 5% aluminum. Optionally, the floor grates are available with a PA/ polyamide protective coating\* that additionally creates a visually brighter environment.

## Low Operating Costs

Farmer Automatic has thoughtfully designed in many advanced features with the Loggia aviary housing system helping to reduce your operating costs. Time and personnel costs are saved because system-laid eggs automatically roll onto the egg belt thanks to the slight slope of the floor. Also, the extra wide egg belt\* (Sunday belt) offers ample space, eliminating the need for expensive egg collection on Sundays and public holidays without any loss of quality. Additionally, the low system height allows for the installation of a second floor on top of the system. This gives farmers the option of doubling the bird population, while complying with the applicable regulations of the respective country. Fast and easy monitoring of the compact system also helps to keep operating costs low, as the nests and egg belts are easily accessible. Maintenance costs are reduced because the system is designed for maximum quality and durability with the functionally critical components hot-dip galvanized and thus effectively protected against corrosion.

## Fast, Convenient Operation

The Farmer Automatic Loggia aviary housing system is easy to manage, thus enabling fast and efficient system operation and access to livestock. For example, the low system height allows for quick and simple monitoring. Additionally, fly-on platforms and reinforced floor gratings\* on the upper tier can be walked on, which facilitates the livestock removal process. Nests and egg belts are easily accessible and can therefore be monitored with little effort. The tilting floor nests ensure good visibility for checking the nests.



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# Loggia Features

## Supply Unit Feed – Water – Nests

Each tier is equipped with feed lines, water lines, and nests, resulting in optimum care. The birds have easy access to all supply units on each tier. In addition, short routes and good nest accessibility minimize the number of system and floor-laid eggs, which increases the number of marketable eggs.

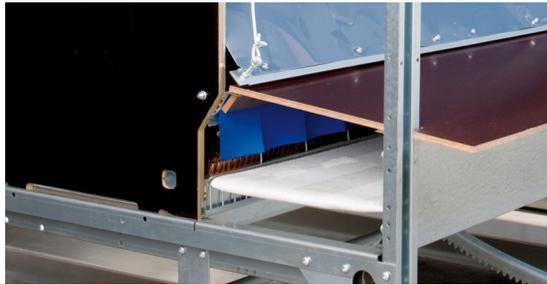
## Extra Wide Egg Belt\* (Sunday Belt)

The extra-wide egg belt provides ample space for transporting eggs. It allows egg collection to be postponed by one day without impacting egg quality. This means that expensive Sunday and holiday work can be avoided, for instance.



## Loggia Plus

The system is also available in the Loggia Plus version with larger sections. Loggia Plus has the same properties and benefits as the Loggia system.



## Ease of Access

Excellent accessibility, especially to the nests and egg belts, allows for simple and quick monitoring of the livestock and the entire system. This helps to optimize operating costs and results.



## Low System Height

The low system height allows for easy and quick monitoring of all tiers in the system. It also enables the installation of a second floor on top of the system, which means that you can double the livestock count, while complying with national legal provisions. This helps reduce staff costs and capital outlay.



## Tilting-Floor Nests

The tilting-floor nests provide visibility for easy monitoring. The tilting floors close the nests at night, avoiding soiling and keeping the eggs clean. The angled floors in the nests allow the eggs to roll directly onto the egg belt, where they are protected against soiling and pecking. This increases the number of marketable eggs.

## System Lighting\*

To improve laying performance and egg quality, the system can be equipped with lighting. The use of energy-efficient LED technology reduces energy costs. The illumination can be individually designed.

## Various System Widths

The Loggia system can be combined with the Loggia Plus system in the building. This ensures economical and efficient use of the existing floor space and helps to optimize stocking levels, while complying with national legal requirements.

## Feed Chain

The unique Farmer Automatic feed chain, made of low-wear, durable steel, is gentle on the feed trough and guarantees a fast and uniform feed mix and distribution. The livestock thus has uniform access to fresh feed at all times.

## Manure Belt Rollers

Farmer Automatic's unique roller-guided manure belt system also supports low-wear operation in longer systems. Low rolling resistance means that less drive power is needed, which increases the service life of the manure belt.

## Reinforced Floor Grates\*

The reinforced and walkable floor grates\* on the top level support fast and gentle livestock removal at

the end of the laying period. This ensures significant time savings and reduces the risk of injury to the livestock.



▲ **Walkable Fly-in Platform**

The walkable fly-in platform makes accessing the system a quick and easy process. This facilitates the daily control of the pullets as well as livestock removal.

**ZINAL5® Floor Grates**

The premium-quality ZINAL5® standard coating on the Farmer Automatic floor grates is comprised of 95% zinc and 5% aluminum. ZINAL5® offers triple corrosion protection on all floor components, including welded joints. This improves the longevity of the grate and increases the livestock's well-being by providing a more comfortable walking environment and reducing callus formation.

**Swing Elevator**

The Farmer Automatic Swing Elevator was developed for automated collection of eggs

from wide or parallel egg belts. It transports large quantities of eggs gently and quickly to an egg conveyor, which then handles forward transport.

**Tip Plate above System**

The tip plate above the system effectively prevents the birds from soiling the nest cover. This reduces the cleaning overhead, which has a positive effect on system hygiene.



▲ **Sloping Floor Grates**

The slight slope of the floor grating means that all system eggs roll directly onto the egg belt. This minimizes time and personnel overheads and increases the number of marketable eggs. The slope of the floor grating also has a positive effect on egg quality because no eggs are left lying around for the livestock to peck.

\* optional equipment

**Farmer Automatic – Global Partner**

Farmer Automatic is a pioneer among manufacturers of poultry farming systems. As early as 1961, founder Josef Kühlmann patented the first "automatic nest" in Germany.

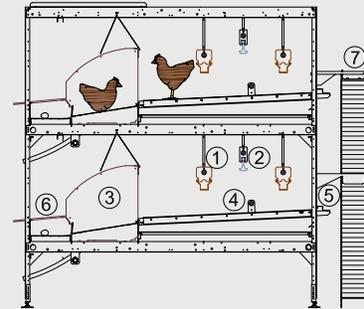
Ever since, the company has continuously developed its systems for a wide variety of requirements to the highest quality standards. Today the systems are among the most economical and modern in the world.



Read more at [www.farmerautomatic.de](http://www.farmerautomatic.de) or contact us directly.

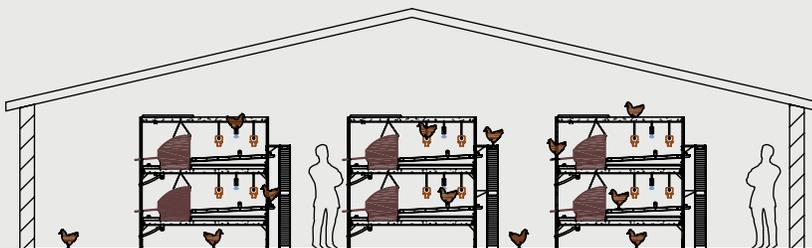
Loggia	mm	inch
Section length	2400.00	94.49
Width/upright, external	2208.00	86.93
Overall width, external	2400.00	94.49
Total height	2275.00	89.57
Tier height	890.00	35.04
Tier height with manure belt aeration tube	890.00	35.04

Loggia Plus	mm	inch
Section length	2400.00	94.49
Width/upright, external	2488.00	97.95
Overall width, external	2680.00	105.51
Total height	2275.00	89.57
Tier height	890.00	35.04
Tier height with manure belt aeration tube	890.00	35.04



- ▲ 1. Feed trough
- 2. Drinking line
- 3. Nest
- 4. 4 perches per tier
- 5. Fly-in platform
- 6. Egg belt with top cover
- 7. Ladder

November 2012, technical modifications reserved



- ◀ Feed lines, water lines, and nests located on each tier ensure optimum conditions for your livestock.



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