Complete Solutions for BROILER BREEDERS

Global Presence – Local Commitment

Feeding  Drinking  Climate  Housing
We at Plasson are aware that the main goal in Broiler Breeder production is to achieve the highest possible number of high quality, clean, fertile and hatchable eggs per layer house along the defined cycle. This goal can be reached by accurate selection of technologies and professional management. We believe there is more than one winning concept and the design must take into account the genetic line, growers skills and climate as major criteria while planning the package.

- Floor space (especially mating space)
- Nesting space and availability
- Feeding space and availability
- Drinking space/points and availability
Samples of concepts available with Plasson equipment:
Using Plasson equipment will enable you the flexibility to develop many combinations of Nests, Drinking and Feeding Systems into a Complete Solution designed to suit the requested concept.

**Center Belt Communal Nest - With Slats**
1. Nest
2. Feeding Pans for Females
3. Feeding Pans for Males
4. Drinking Nipples
5. Slats

**Nestomatic - No Slats**
1. Nest
2. Chain Feeding for Females
3. Feeding Pans for Males
4. Drinking Bells
Choosing the type of Nest is the most important factor defining the Breeder House concept.

Plasson offers two basic solutions:

- Center Belt Communal Nest with Slats
- The Nestomatic Nest with Jump Bench and no Slats

## Center Belt Communal Nest

**Features:**

- Collection table/ direct connection to cross conveyor with speed control and emergency stop
- Sides and legs made of highly resistant plastic
- Layers expulsion system is built in
- Easy management, cleaning and sanitation
- Plastic slats with a non-slippery surface, and excellent open area for easy cleaning

### Dimensions (mm)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
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<tbody>
<tr>
<td>200</td>
<td>440</td>
<td>1160</td>
<td>1220</td>
<td>1525</td>
<td>1830</td>
<td>450±40/550±40</td>
<td>240</td>
<td>90</td>
<td>350</td>
<td>90</td>
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## Nestomatic

Nestomatic Nest is a spacious nest applied usually in two rows along the house. The Nests can be suspended and mechanically lifted. The system is designed with passages between each two adjacent nests thus allowing airflow and birds to cross the house freely. Slats are not used and nests have only jumping benches which allow more floor (and mating) space, better lighting and ventilation conditions, all leading to increased fertility and hatchability.

**Features:**

- Collection table / direct connection to cross conveyor with speed control and emergency stop
- Easy young flock training by adjustable legs height
- Easy clean-out between flocks by built-in lifting system
- Flexible layouts allowing better lighting, ventilation and birds movement across the house
- No slats give more floor space
- Removable floor mats

### Dimensions (mm)

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<th>A</th>
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<tr>
<td>1816</td>
<td>1197</td>
<td>278</td>
<td>288</td>
<td>95</td>
<td>Optional plank extension 419</td>
<td>853</td>
<td>500-700</td>
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Feeding

Plasson offers two feeding systems:
- Pan Feeding System
- Chain Feeding System

**Pan Feeding (for Females)**

Features:
- Highly durable quality plastic
- Flexible layouts using odd / even number of lines
- Easy cleaning and sanitizing
- Uniform feed distribution with adjustable amount of feed in the Pan
- Hoppers and Control Pans and corrosion free materials
- Males restriction can be easily adjusted

**Chain Feeding (for Females)**

Features:
- Variety of Feed Hopper designs enables flexibility in circuit designs
- Fully suspended system (available also with plastic or metal legs)
- Many options for grill types and dimensions
- Heavy duty wear resistant corners ensure durability of the system

**Pan Feeding (for Males)**

Features:
- Innovative grill-less design
- Shut off allows partial line usage
- Retaining lip minimizes feed waste
- Easy feed level adjustment
- Highly durable quality plastic
Feed Storage Silos

Plasson offers a wide range of storage Silos.

Features:
- Made of galvanized steel or fiberglass
- Storage capacity from 3 to 50 tons per silo
- Pneumatically or top filled
- Ladder and safety cage included in all models
- Offered in a variety of specifications- capacity, diameter, height, number of legs
- A 60° cone allows easy feed drop
- Optional - Manual feed drop and sight window(s)
Feed Weighing

Plasson offers two options for Feed Weighing, both backed up by our house controllers line.

**Batch Weighing**
Features:
- Plastic weighing hopper 50-kg
- Accuracy of +/-0.2 kg

**Intermediate Weighing Silo**
Features:
- Can serve also for stock monitoring
- Load cells function at all relevant temperature range

Feed Fill Lines

Plasson offers two solutions for filling the distribution lines.

**Direct Filling**
Features:
- Simple structure enables free air movement (better ventilation)
- Simple and straightforward filling control

**In-House Hoppers**
Features:
- Simple operation of distribution lines
Plasmon offers two Watering Solutions with highly efficient applications of Water Management Systems:

- Nipple Drinking
- Bell Drinking

**Nipple System**

Plasmon’s well proved Nipple Line covers all the range needed for hot/cold climates, rearing regimes and management practices.

Features:

- Plasmon’s Nipple Systems ensures sufficient water supply at peak consumption times while keep dry floors.
- Double sealing
- Easy Maintenance
- Available combinations and add-ons of partial plugging, Auto Flushing, controlled pressure regulation (WOD) and Slope Regulator.
- Tray for nipple is optional

**Bell Drinkers:**

Plasmon well known Bell Drinkers are the industry standard for over 50 years!

Features:

- Reliable life-long products
- Flexibility to position out of line
- Individual height adjustment with optional central lifting

**Recommendation**

Opening passages in the Nipple Line is a good way to enable layers to cross the line on way to the Nests.

**Drinking**

Recommended number of drinkers per 1000 adult birds: 10-12
**Water Management Systems**

Plsson provides Water Management applications.

Features:
- Filters
- Water meters with electronic output
- Chemicals and medicine dosing
- Water hardness treatment - Siliphos

**Water on Demand (WOD) and WOD Pro**

Features:
- A revolutionary solution for optimal Water Management
- Controls and manages the Water Pressure in all drinking lines from one central point
- Enables presetting of the pressures for the entire grow-out
- Maximizes bird performance with optional water supply
- Enables increasing of water pressure for peak consumption

**Automatic Flushing**

Enables:
- Fresh water for the birds
- Refreshing lines with cooler water
- Easy flushing of lines for less biofilm
- Cleaner system and improved system longevity
- Labor saving

Recommendation

Morning flow rate (during feed time) is 3-4 times higher than the daily average.
Plasson LED system includes:

- Dimmer
- Lighting Garland Lines
- LED Bulbs

**IGBT Dimmer**

Features:

- Works as a stand-alone controller or as a slave to a climate controller or in manual mode
- Up to 2000W in two independent programmable channels
- Built-in protections - surge, short-circuit, overload, overheat
- Excellent power factor and efficiency
- Extends bulb life (higher light intensity maintained)

**Lighting Garland**

Features:

- Easy installation and operation
- 100% waterproof (IP67) casted sockets
- Available in different lengths and spacing

**LED Bulbs**

Features:

- Available in 6, 9 and 16.5W models
- Ultra-high lumen output and deep dimming supports a wide range of requirements for pullet and layer applications
- Broad beam angle (no spotting, excellent distribution)
- IP-67 protection when assembled in the designated garland
- Long life expectancy (25,000 - 35,000 hours)

* For further information about Plasson Climate Solutions, refer to the 'Climate Solutions' catalogue

**Recommendation**

It is important to keep light distribution even without shadowed spots.
Egg Transfer & Treatment

Plsson offers solutions including:
- Egg Conveyors
- Farm Egg Graders and Packers

**Eggs Cross Conveyors**

Features:
- High end quality (durable, fast installation)
- All metal chain ensures lifelong smooth work
- Flexible layouts using corners from -15° up to -90° and slopes up to 40°
- Suitable also for Turkeys and Ducks eggs

**Eggs Grading/Packing**

Features:
- Flexible layouts
- Optional functions include: grading, manual candling, stamping, packing
- Optional disinfection before entering the machine
- Plug & Play installation
- Easy maintenance