



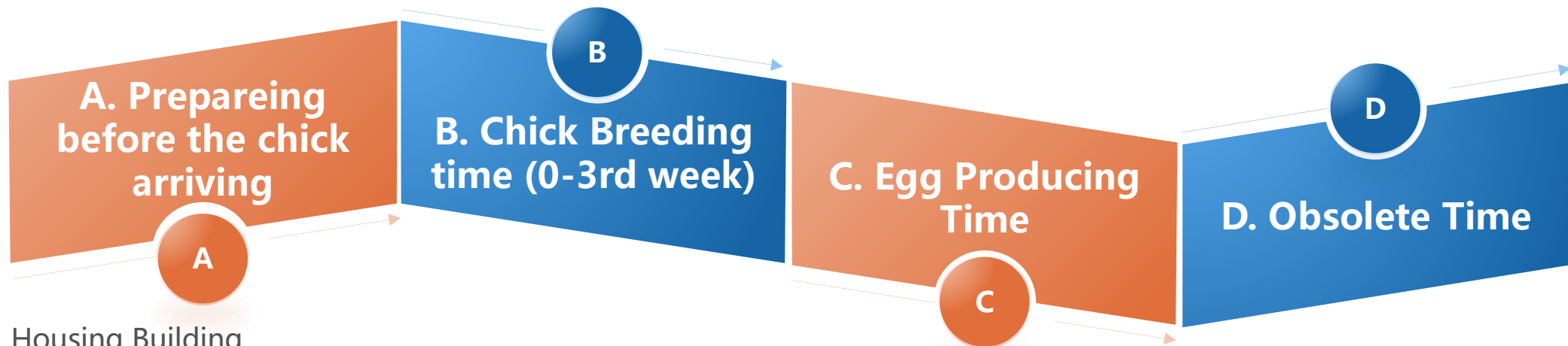
# Layer Breeding System



# Layer Breeding Procedure

(\*Notice: In different places, different chicks or growing conditions, the breeding procedure time/conditions may not be the same, below information is just for reference only)

Critical Factors: 1. Chick Preparing, 2. Temperature Control, 3. Humidity Control, 4. Lighting Control, 5. Drinking and Feeding. 6. Density management (10-15pcs/m<sup>2</sup>, enough space for chick running).



1. Housing Building
2. Equipments Preparing 设备准备
3. Food & Drinking Preparing

1. Before egg producing (19th to 25th week)
2. Egg producing at the high lever (26th to 40th week)
3. Egg producing at the low lever (Obsolete time, 41+st week)

# System List

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**02** Feeding System

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**03** Egg Collecting System

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**04** Drinking System

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**06** Environment Control System

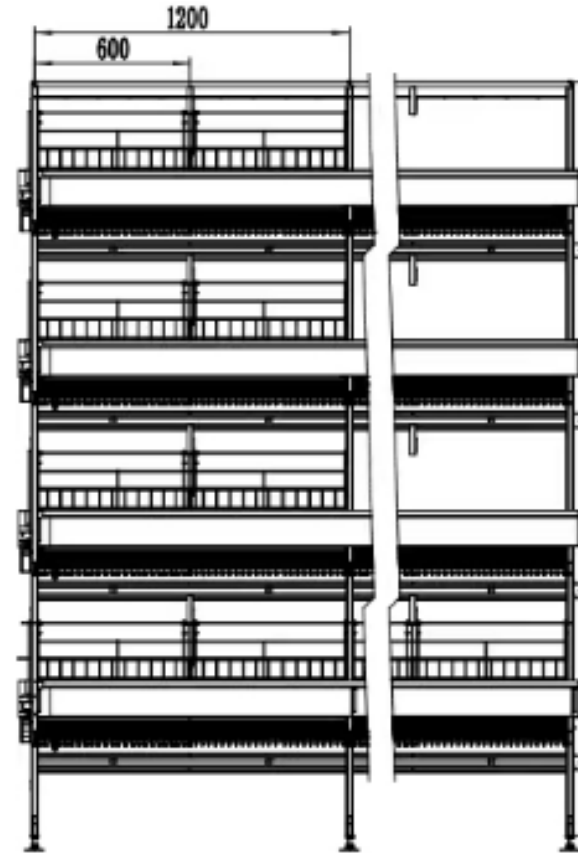
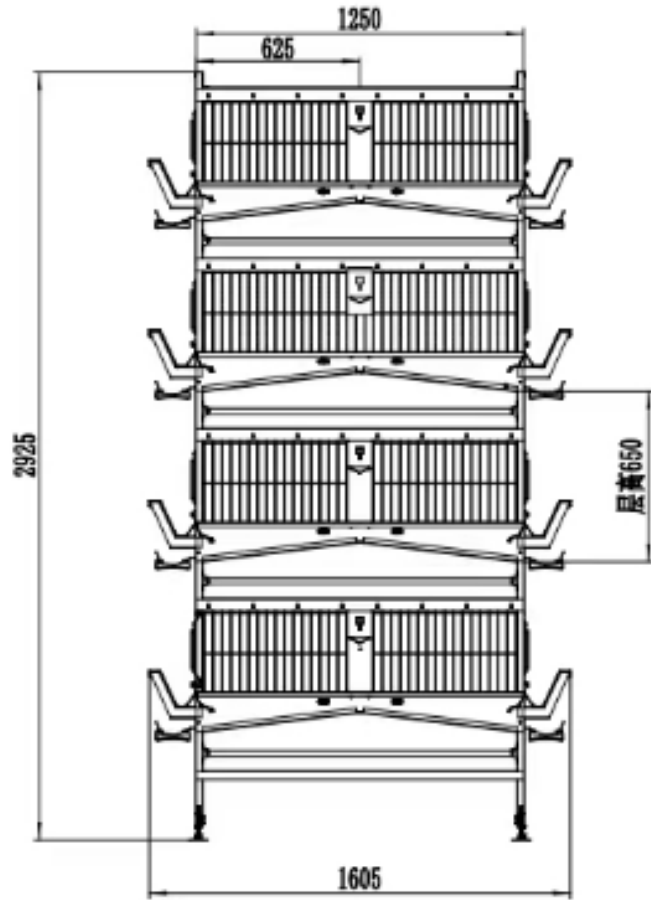
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**07** Lighting System

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# 1. Cage & Frame System



Unit Size: L1.2m, W1.2m, Height:  
0.37-0.44m

Nos of Chick of Unit: 8pcs/cage

Each Cage size: 0.62x0.6m

# 1. Cage & Frame System



## 01 system Advantages

- Automatic Drinking: Each waterline up & down independent
- Automatic feeding: Feeding Line with crane
- Automatic Egg Collecting: damage % is less than 0.2%
- Automatic Manure Cleaning: Vertical & Horizontal & Oblique with belt transmission lines
- LED Lighting System: automatic control depending on the time schedule requirements

## 02 Layer Cage & Frame Features

- Cages, frames, fastening parts, and transmission parts etc critical parts are with good finishing and quality parts



## 2. Feeding system--Food transmission automatically



1. Ground Pallet Feeding supplying and transmission



2. 0.75KW motor with  $\Phi 90$  auger assy



3. Zn coating Steel plate (275g) forged finishing with good sealing, less dirty, with blending



# 3. Egg Collecting System



## Upright type egg collector

1. Collecting the eggs from each line front, rear, up and down to transport to the head of the housing for the final packing, reducing the egg damage risks %
2. 3-Floors, with PVC belt, and soft plastic teeth to move the egg
3. Variable-frequency control, speed could be adjusted

# 4. Water Drinking System (Nipple Drinking System)

01

## Pressure Regulator & Water Line Head and Tail ends

1. Kick Type Pressure Regulator



02

## Medicine inputing system

1. Tank with bracket
2. Medicine Pump & Pressure Tank

03

## Nipple Drinking Pipe

1. The direction is down always, without leaking
2. SS (stainless steel) Valve Rod, double sealing, no leaking
3. High lever water input, avoiding the rubbish to block the input port, 360° no blind point
4. Output: 90-120ml/min



04

## Water Line Hanging

1.  $\Phi 4$ mm steel line with Zn coating, which could adjust the waterline height low or high
2. SS (stainless steel) hang line, keeping the height same lever

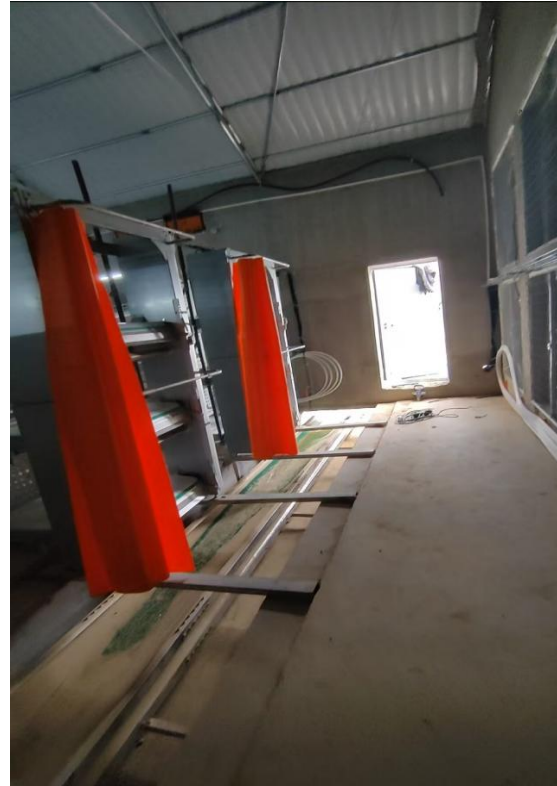


# 5. Manure Cleaning System



**Vertical Manure Cleaning System**

moving the manure to the end of the cage line



**Horizontal Manure Cleaning System**

moving the manure out of the housing to the oblique manure cleaning system



**Oblique Manure Cleaning System**

transfer the manure to the truck or transportation tools to move out of the housing.

# 6. Environment Control System

Fans, Wet Curtain, Side Window are necessary equipments of the housing, which are needful to improve the environment condition.

Fan is for the air-exhausting, Wet Curtain & Side window is for the air-inputing, which are following the environment controller requirements to control the fan running, like nos of the fan, working time etc, for meeting the air ventilating requirements always.



## 7. Lighting System



Light Controller



Layer Lighter: LED Bulb

LED Bulb for  
layer: IP67,  
lighting  
could be  
adjustable