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POULTRY FARM EQUIPMENT SUPPLIER



SINCE 1998



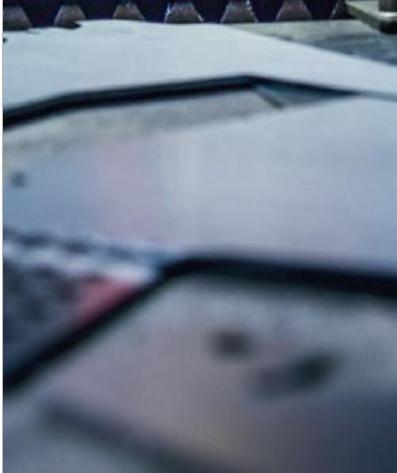
**TURNKEY SOLUTION SUPPLIER  
FOR YOUR POULTRY FARM**

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**TURNKEY SOLUTION  
FOR POULTRY FARM  
PROJECT**[www.demeterpoultry.com](http://www.demeterpoultry.com)



## ABOUT DEMETER

Henan Demeter Machinery Co., Ltd is a professional poultry farm equipment solution supplier in China with a history of over 20 years, specializes in poultry farming research and development.

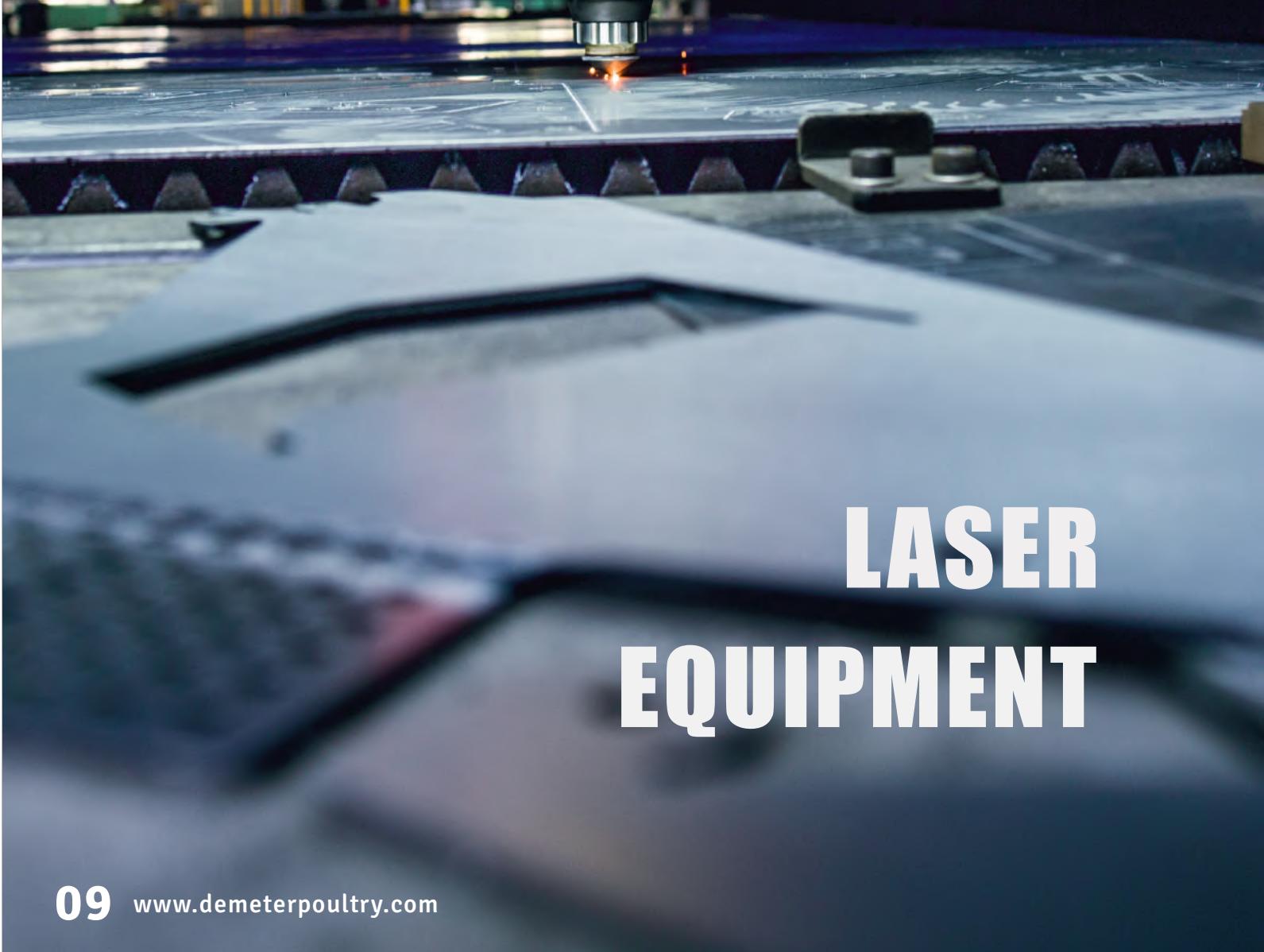
Demeter Machinery offer solution for layer bird, broiler bird and turnkey solution for your farm according to your country and your requirement, including farm design, solution, delivery, installation, commissioning and training.

Our product has been delivered and installed for over 40 countries. DEMETER install over 400 projects each year in domestic and overseas market. Total 6.8 million birds each year, can produce 1.4 billion pcs eggs.

## ABOUT US



# LASER EQUIPMENT



## PRODUCTION EQUIPMENT



**ROW WELDING MACHINE**



**PUNCHING MACHINE**

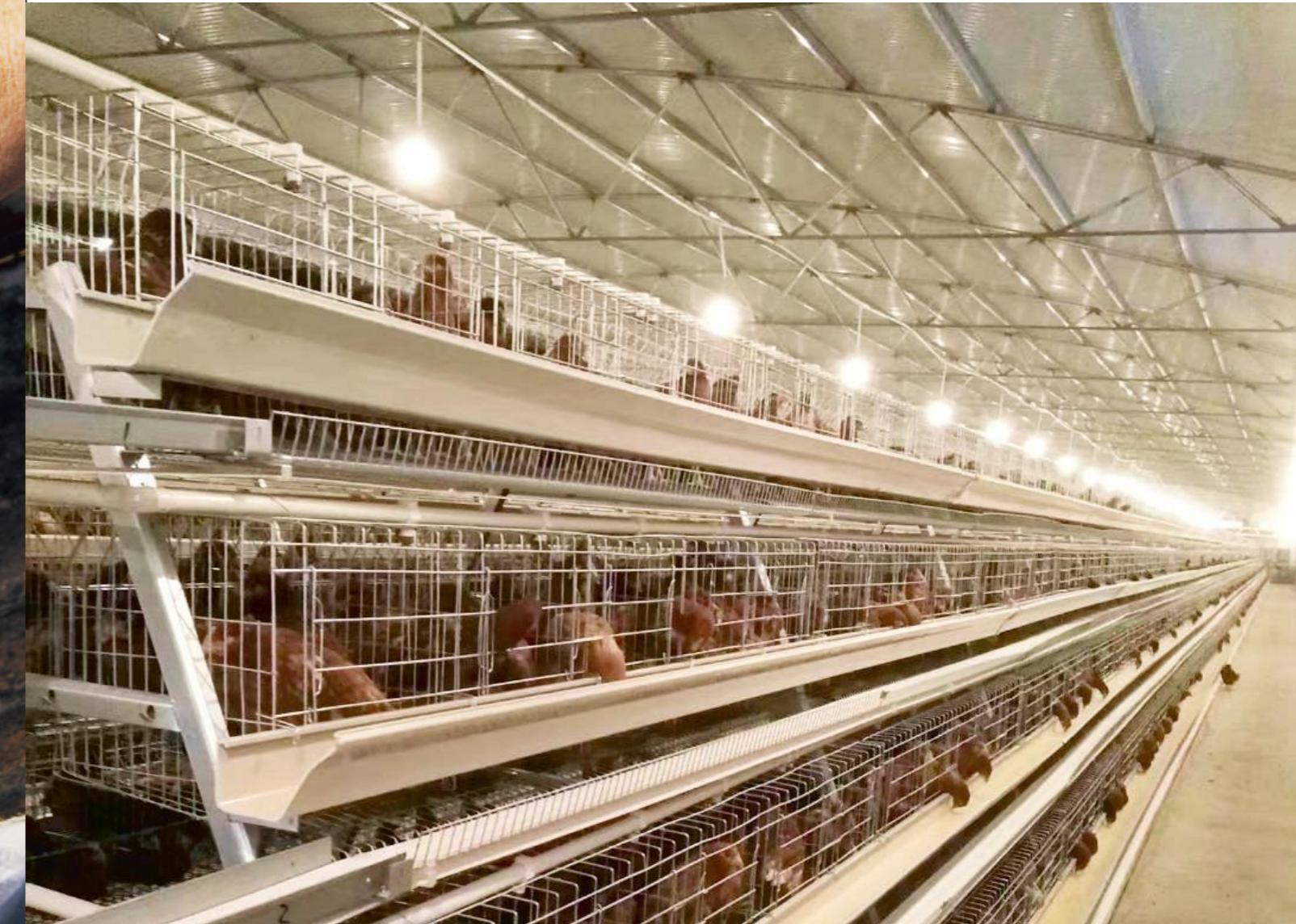


Demeter Machinery equipped with fully auto system in order to provide standard poultry equipment.

Our production equipment including:

- \* Laser machine x 2 sets
- \* Punching machine x 5 sets
- \* Row welding machine x 4 sets
- \* Wire welding machine x 20 sets
- \* Wire cutting machine x 7 sets

With these equipment, Demeter Machinery can product 500 sets cage per day, meet the market requirement for poultry equipment.

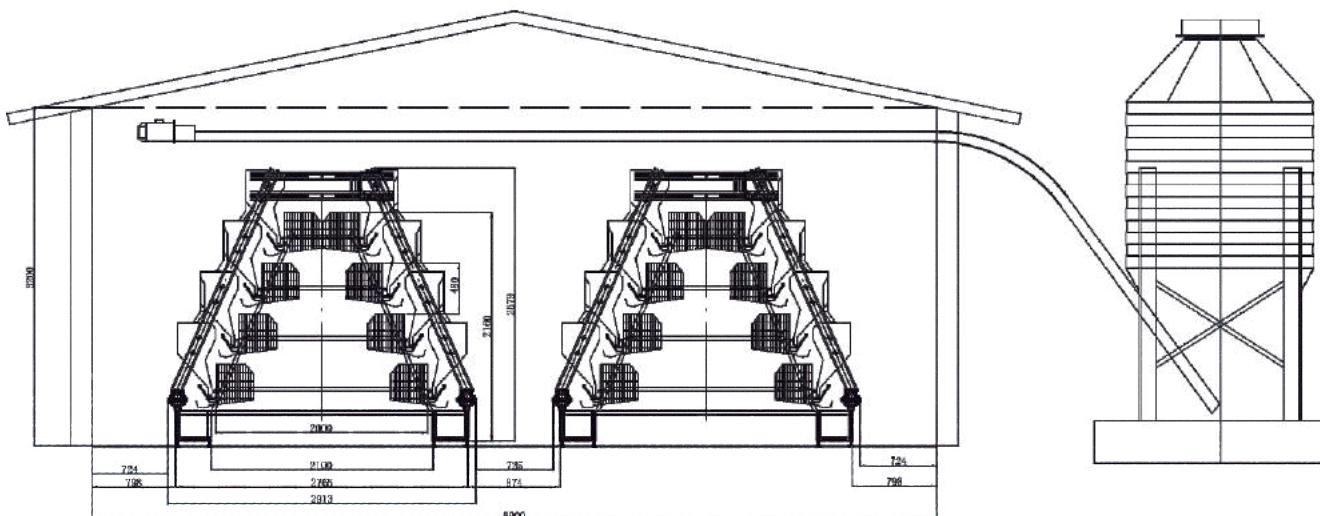


#### **PRODUCT INTRODUCTION:**

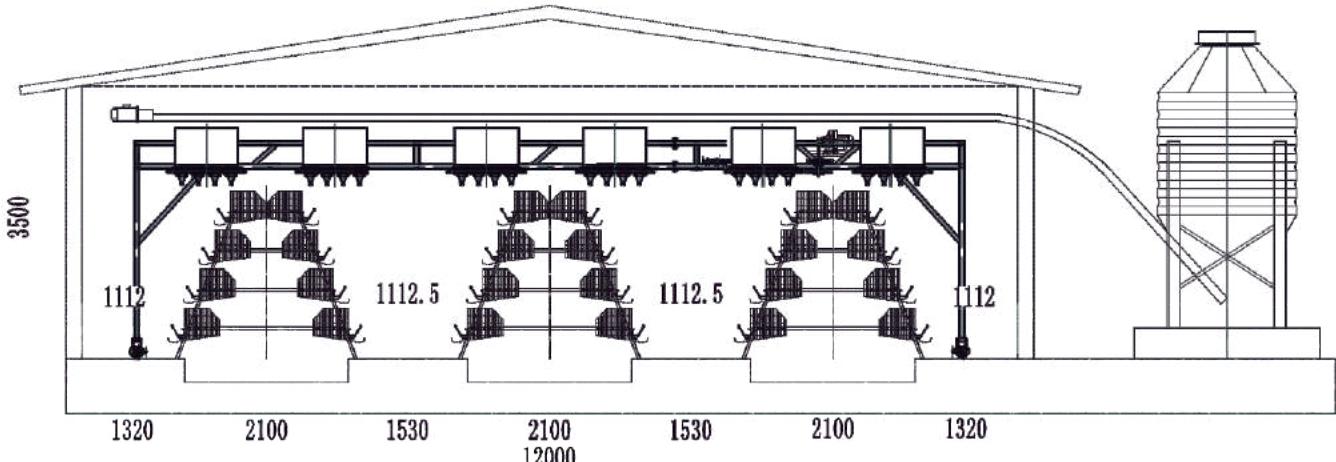
A type layer chicken cage is mainly used for layer bird above 60 days, A type is the most basic equipment for layer birds, it including the water system, can be equipped with auto feeding system, auto egg collection system and auto manure removing system, reduce the human labor greatly.

#### **FEATURES:**

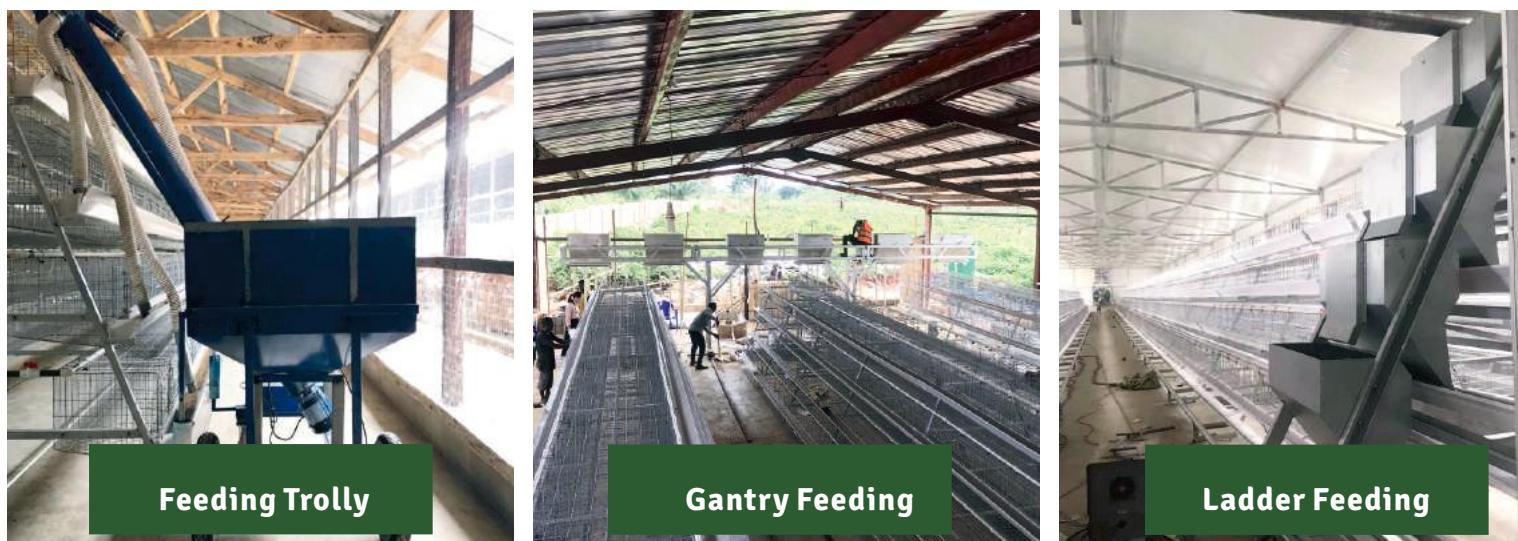
1. It is adopted hot-dip galvanizing material with Q235 material, prove the wire mesh from rusting, can be used for 15-20 years;
2. Make full use of the up space, reduce land resources and the shed construction;
3. Fully auto system can reduce human labor invest, increase profit;
4. More durable material can lasting for longer using life.



A Type Cage with Ladder Feeding System



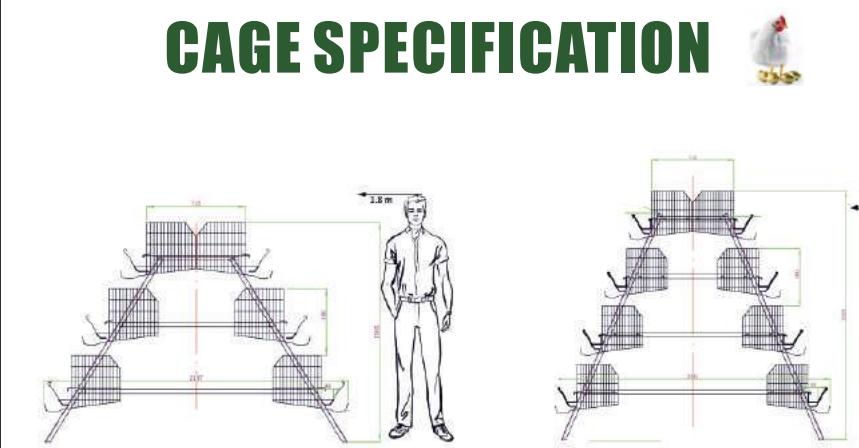
A Type Cage with Gantry Feeding System



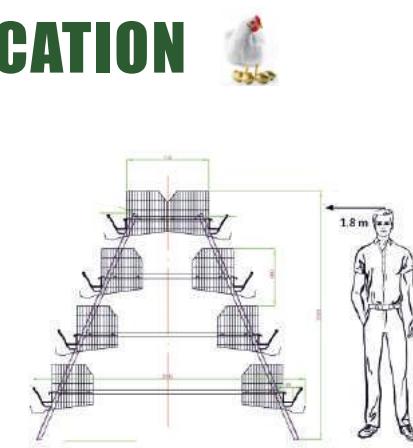
Feeding Trolley

Gantry Feeding

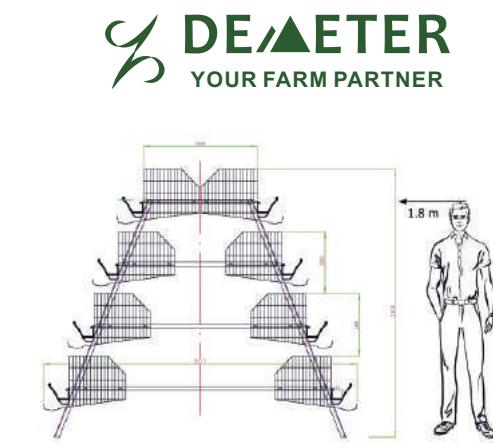
Ladder Feeding



**90/96 CAGE**



**120/128 CAGE**



**160 CAGE**

MODEL	TIER	DOOR	BIRD/CAGE (PCS)	SPACE/BIRD (Cm <sup>2</sup> )	CAGE SIZE (MM)
<b>A-90</b>	3	5	3	455	1950*350*380
<b>A-96</b>	3	4	4	426.5	1950*350*380
<b>A-120</b>	4	5	3	455	1950*350*380
<b>A-128</b>	4	4	4	426.5	1950*350*380
<b>A-160</b>	4	5	4	438.75	1950*450*410



**Part of our projects  
at customer site**

A type mostly used for open type shed

**APPLICATION**





## H TYPE LAYER CAGE



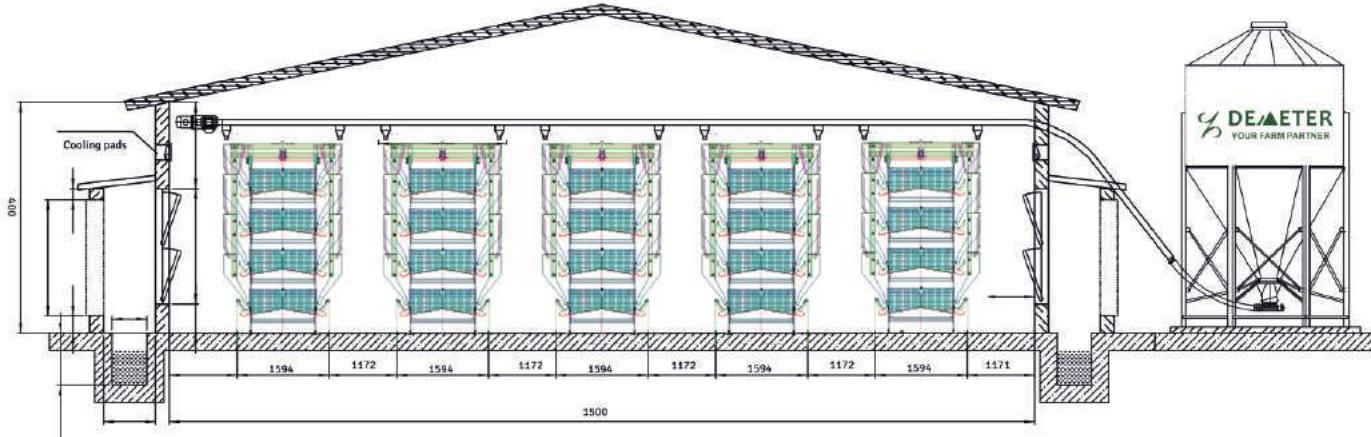
### PRODUCT INTRODUCTION:

H type layer chicken cage is mainly used for large quantity farm, H type chicken cage is the advanced equipment for layer birds, it is equipped with auto water system, auto feeding system, auto egg collection system, auto manure removing system, lighting system and ventilation system to reduce the human labor greatly.

### FEATURES:

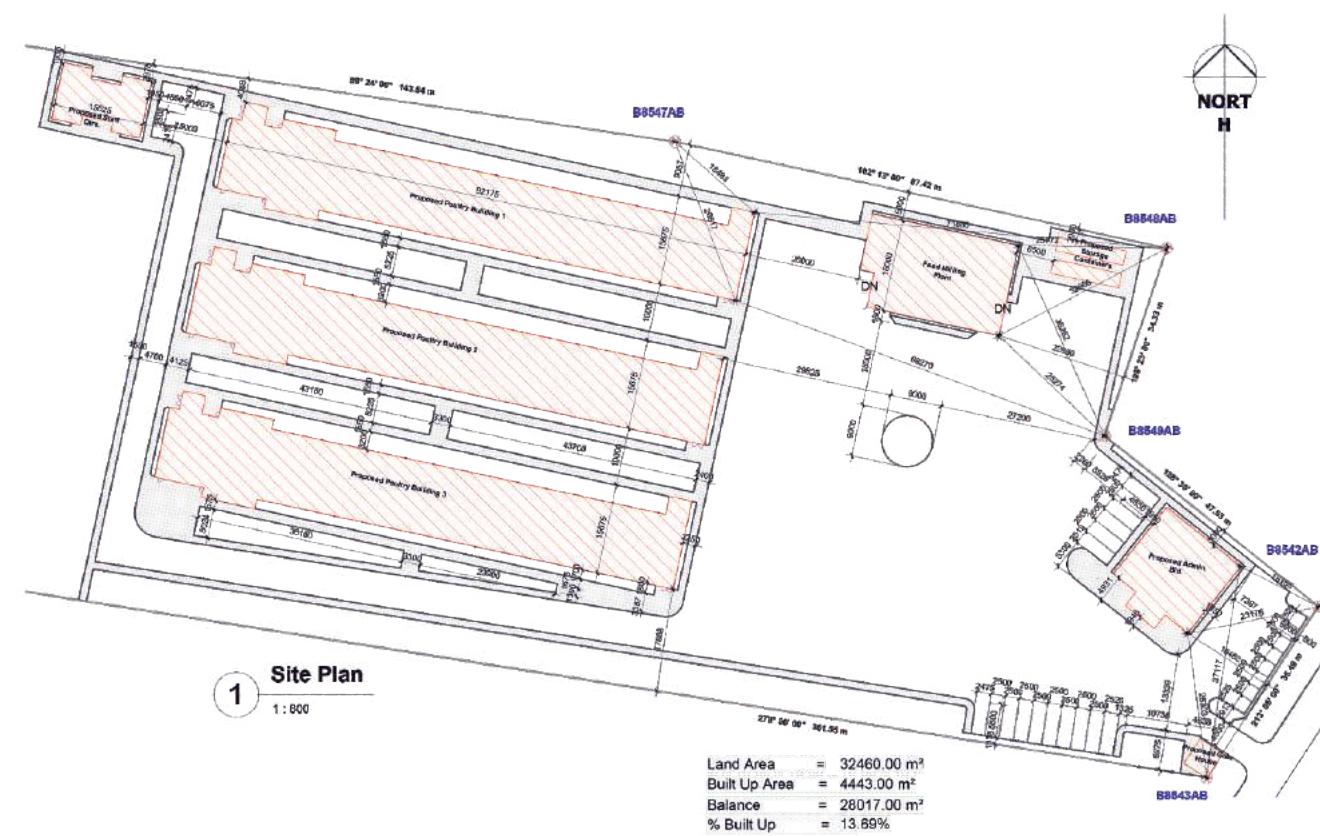
1. It is adopted hot-dip galvanizing material with Q235 material, prove the wire mesh from rusting, can be used for 15-20 years;
2. Fully auto system to reduce human labor, auto control system to raise the egg production rate.
3. Closed type shed with auto ventilation system, reduce infection rate;
4. Due to the high quality of the structure, it can up to 100,000pcs per shed.

## SHED DESIGN



H Type Cage with Auto System

MODEL	TIER	DOOR	BIRD/CAGE (PCS)	SPACE/BIRD (Cm2)	CAGE SIZE (MM)
H-196	3	1	16	450	1200*1230*600
H-128	4	1	16	450	1200*1230*600
H-160	5	1	16	450	1200*1230*600
H-192	6	1	16	450	1200*1230*600
H-224	7	1	16	450	1200*1230*600
H-256	8	1	16	450	1200*1230*600





## COMPOSITION

### CAGE MESH:

Cage mesh part is consist of hot-dip galvanizing material wire mesh with Q235 material and metal plate

### AUTO FEEDING:

Auto Feeding is made of 3mm thickness metal plate with high zin rate material

### AUTO MANURE REMOVAL:

Manure belt is with 1.2mm thickness environmental material, more durable and longer using life

#### CAGE PART

The cage part is not only wire mesh, but also metal plate



#### AUTO FEEDING



## COMPISITION

### AUTO MANURE REMOVAL



#### AUTO EGG COLLECTION



#### COOLING PADS



#### VENTILATION FANS



## H TYPE BROILER CAGE

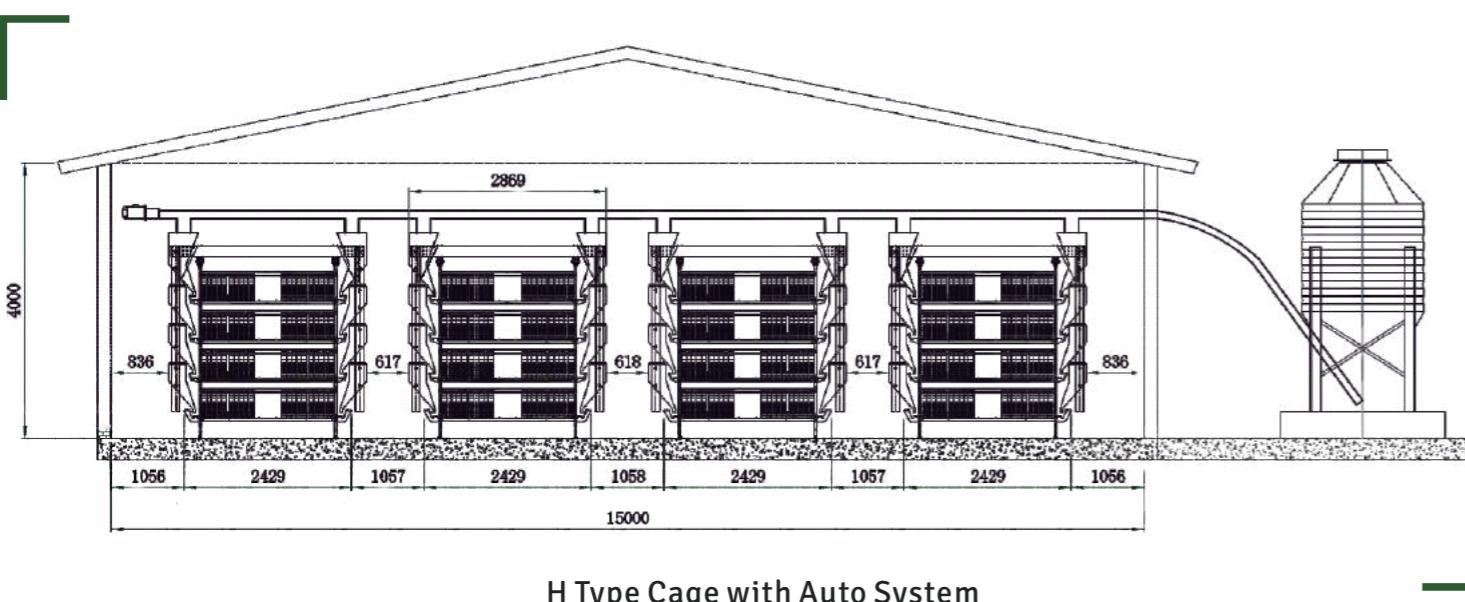


### PRODUCT INTRODUCTION:

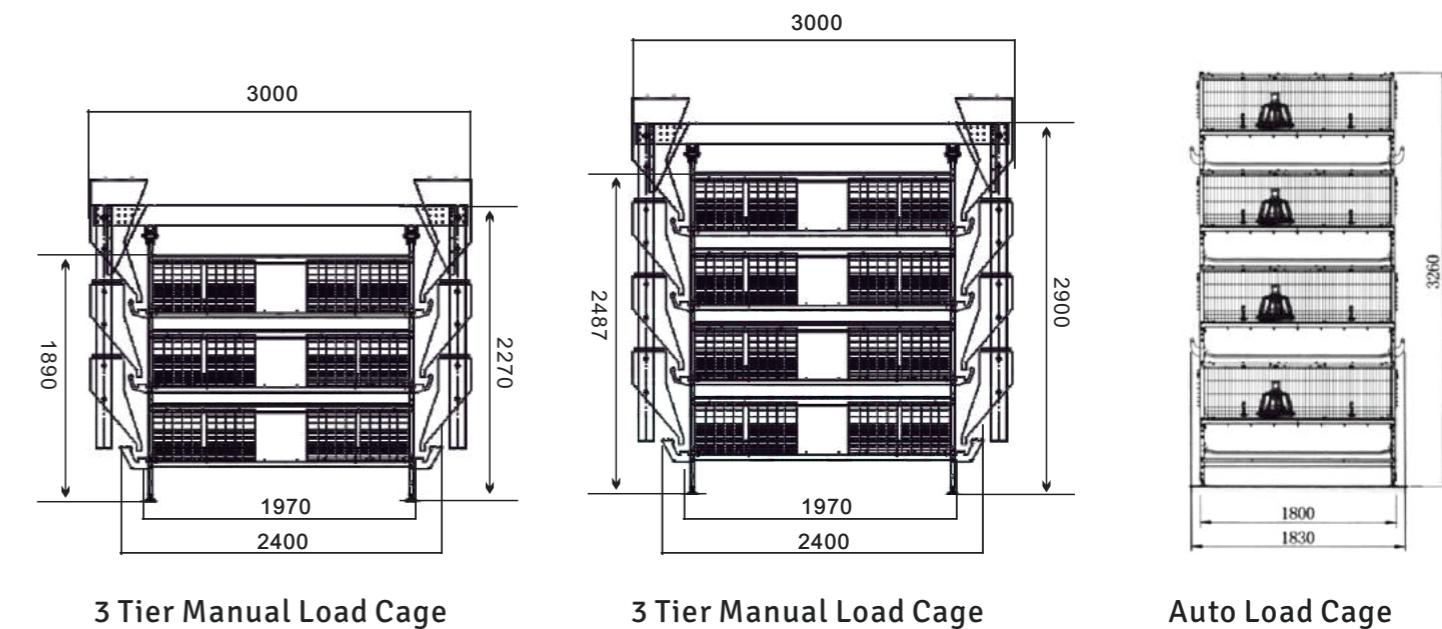
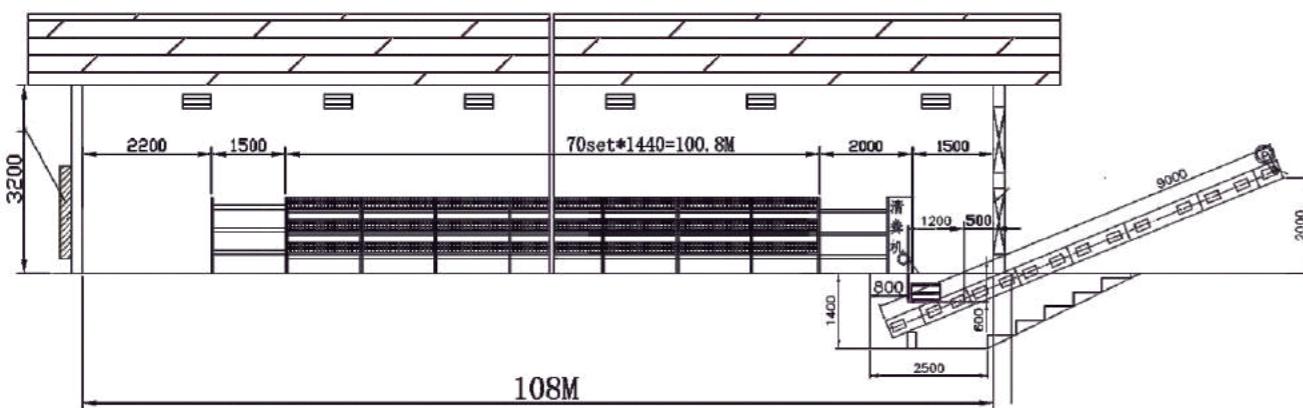
H type broiler chicken cage is can be used for broiler bird from day old to 45 days or above. It including the water system, can be equipped with auto feeding system, auto manure removing system, lighting system and heating system. With fully auto system, it reduce the human labor and less mortality.

### FEATURES:

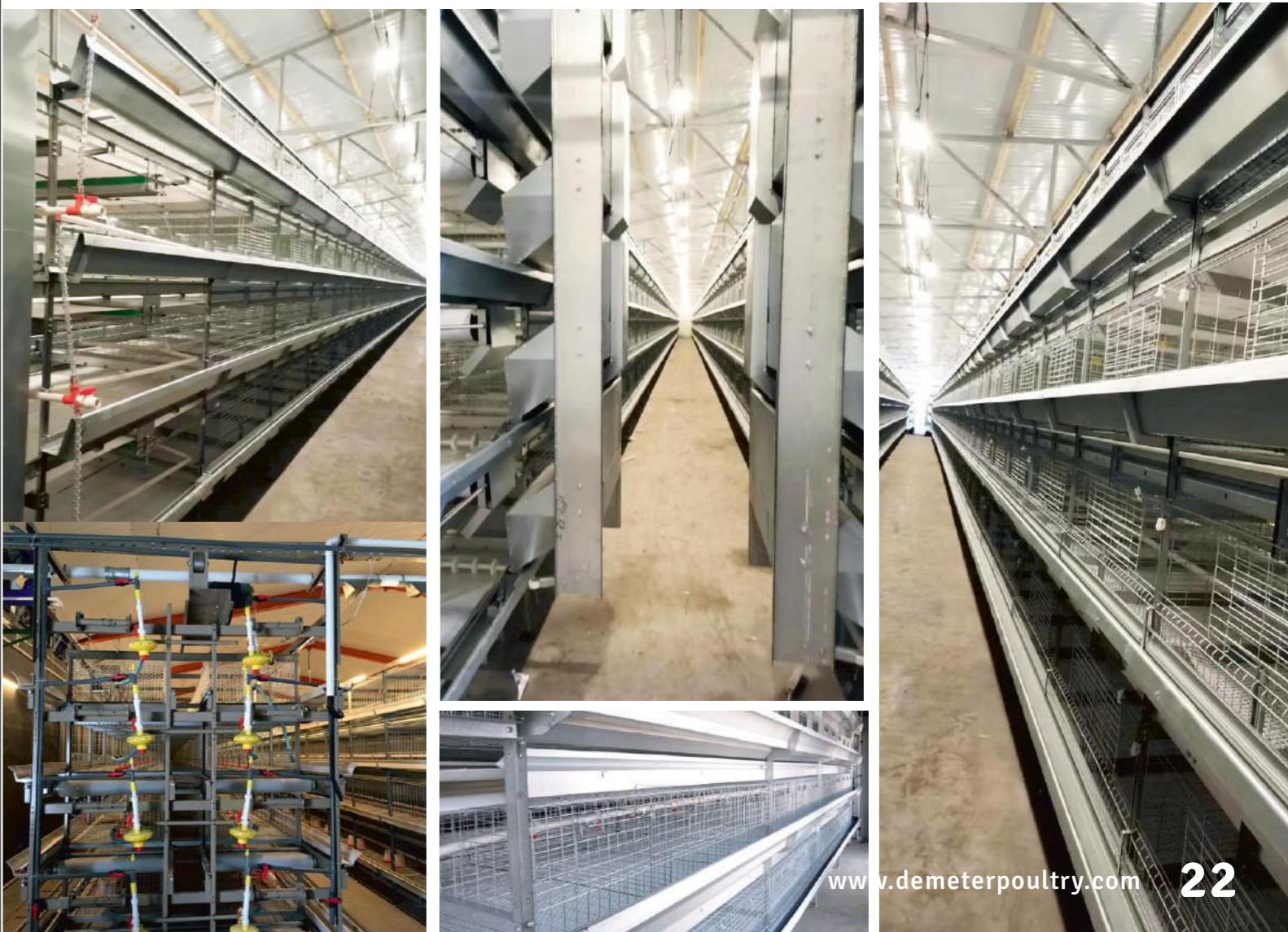
1. It is adopt with hot-dip galvanizing material with Q235 material, prove the wire mesh from rusting, can be used for 15-20 years;
2. Special design with big space, bird can move easily;
3. Wide space between two cages, good for ventilation;
4. Adjustable design so that the bird can drink and eat normal at different period.

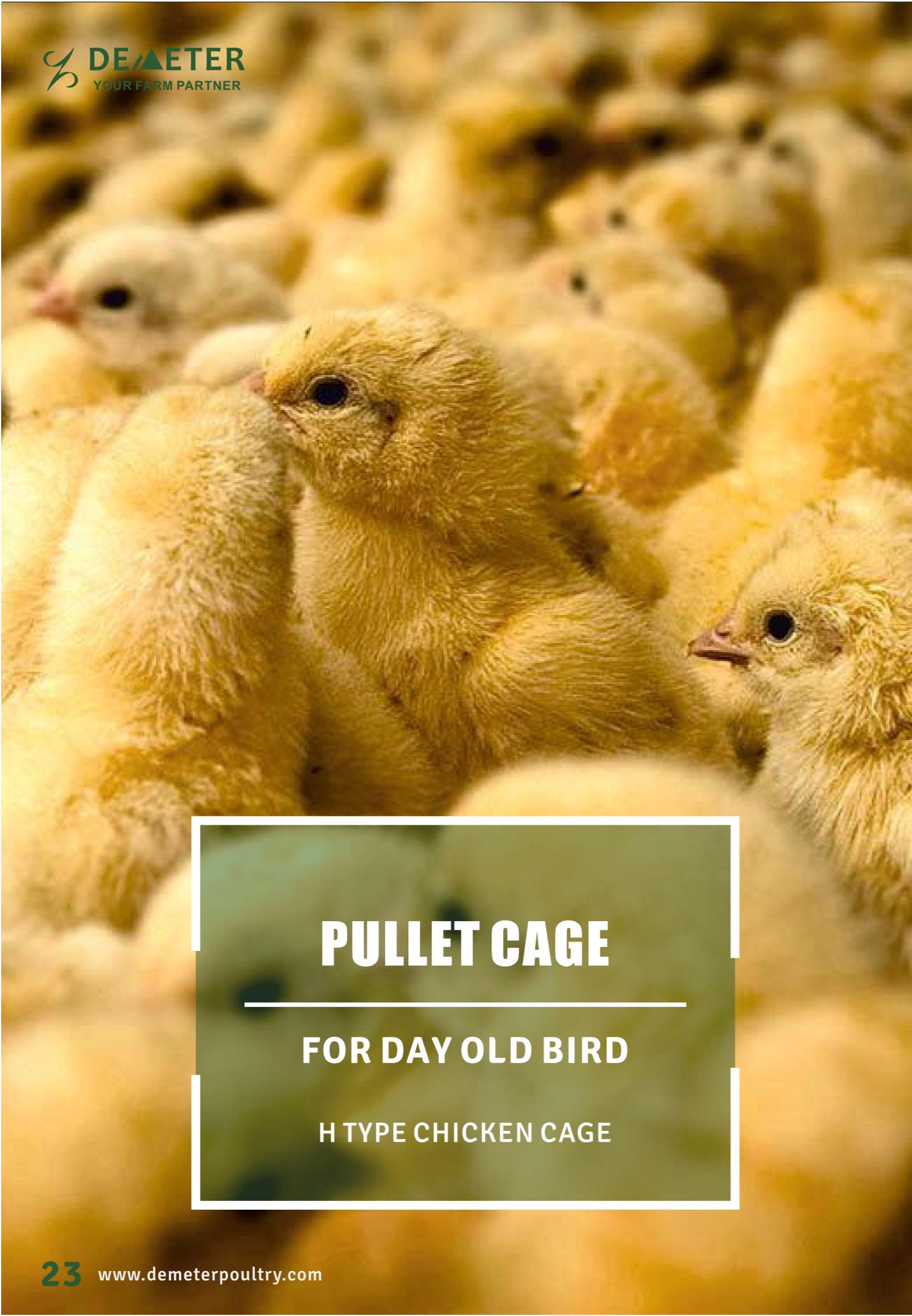


H Type Cage with Auto System



MODEL	TIER	DOOR	BIRD/CAGE (PCS)	BIRDS/SET (PCS)	SPACE/BIRD (Cm <sup>2</sup> )	CAGE SIZE (MM)
<b>H-105-3</b>	3	1	17	102	500	1050*800*420
<b>H-105-4</b>	4	1	17	136	500	1050*800*420





## PULLET CAGE

FOR DAY OLD BIRD

H TYPE CHICKEN CAGE

## PULLET CAGE



### PRODUCT INTRODUCTION:

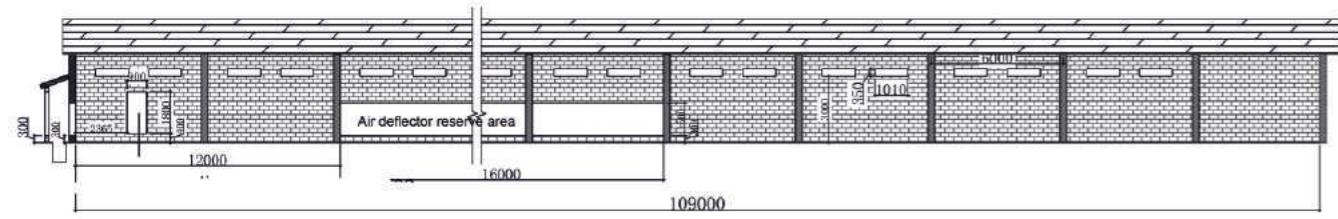
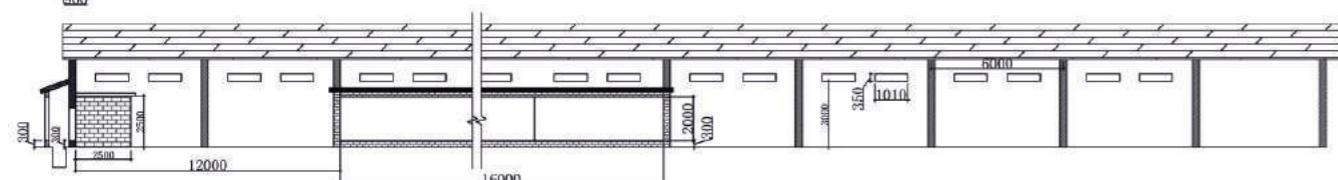
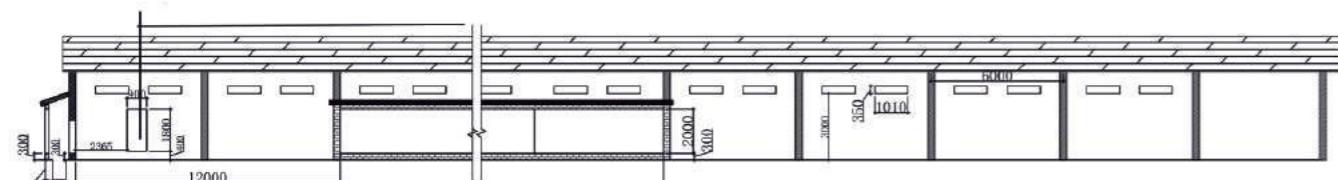
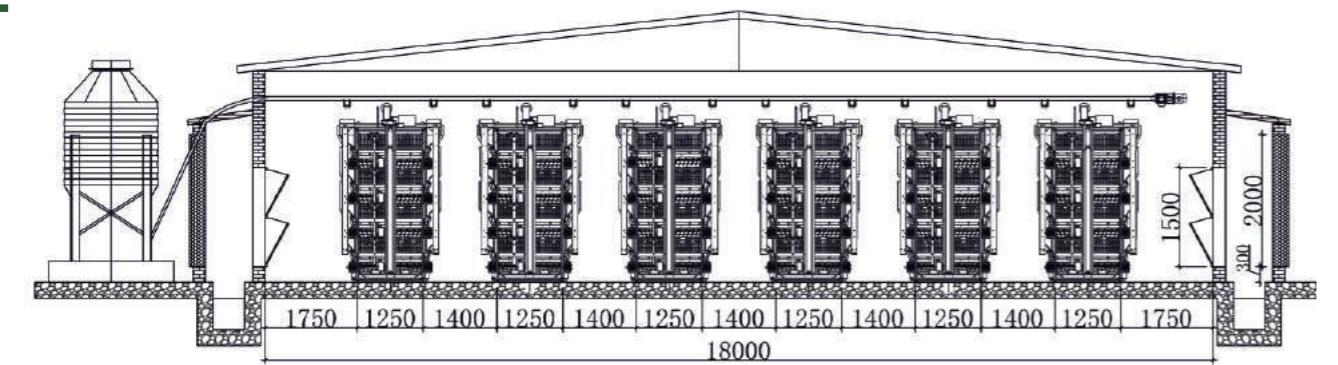
H type pullet chicken cage is mainly used for layer bird from day old to 120 days, it meet the basic requirement for pullet bird and provide secure environment for the pullet bird. Therefore it can reduce the mortality for the pullet birds and raise productivity.

### FEATURES:

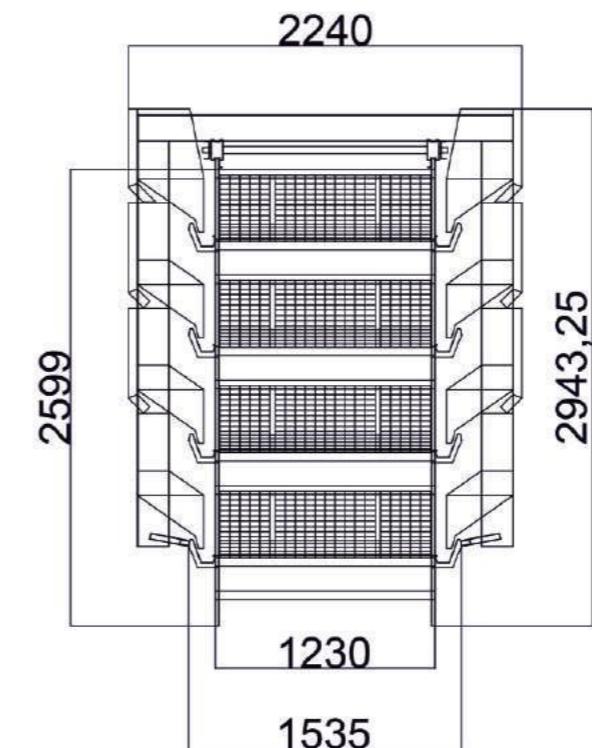
1. It is adopted hot-dip galvanizing material with Q235 material, prove the wire mesh from rusting, can be used for 15-20 years;
2. Adjustable feeding board and water system with the growing of the pullet;
3. Special design cage dimension, enhance the health of the pullet;
4. Bottom mesh to make sure the bird move freely and provide better environment.



## SHED DESIGN



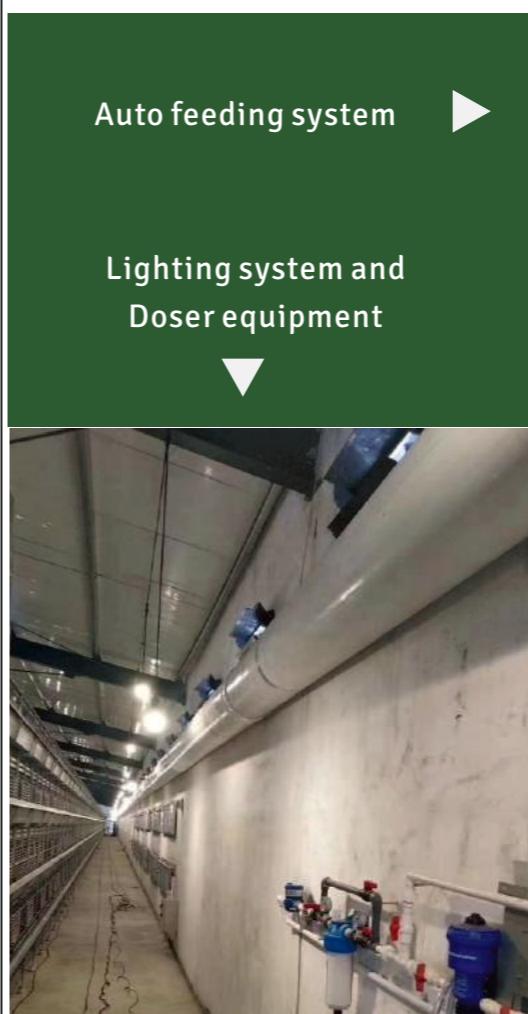
## CAGE SPECIFICATION



<b>MODEL</b>	H-192-4
<b>TIER</b>	4
<b>DOOR</b>	1
<b>BIRD/CAGE (PCS)</b>	24
<b>BIRDS/SET (PCS)</b>	192
<b>SPACE/BIRD (Cm<sup>2</sup>)</b>	666
<b>CAGE SIZE (MM)</b>	1200*1350*250mm

Auto feeding system

Lighting system and  
Doser equipment



Special design pullet cage  
to provide health growing  
environment



Adjustable water line





## FEEDING SYSTEM


**FEEDING TROLLY**

**GANTRY FEEDING**

**LADDER FEEDING**

## FEEDING SYSTEM



### FEEDING TROLLY:

Feeding trolley is a semi auto feeding system, it is mainly used for quantity below 20,000pcs projects.

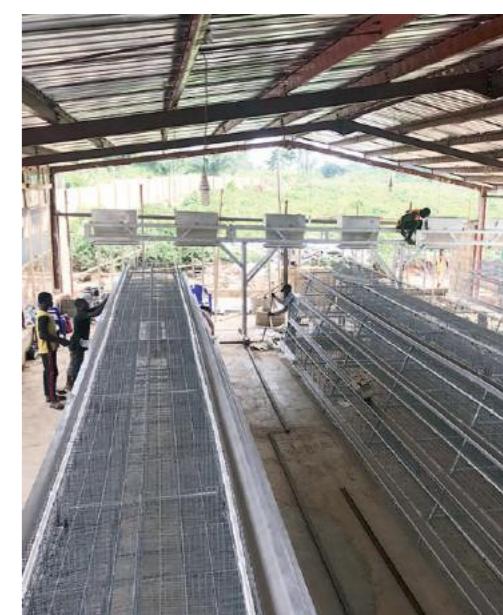


### ADVANTAGE

1. Low investment, compare to other feeding system, it can reduce your investment;
2. Less electric requirement, it is battery charge type, once the battery is fully charged, no need constant electric;
3. Easy operation, four speeds adjust, only need one press.

### GANTRY FEEDING SYSTEM:

Gantry feeding system is used for auto system, it can be used for A type chicken cage. it is mainly used for quantity above 10,000pcs projects.



### ADVANTAGE

1. Easy operation, no need human labor to load the feed, one touch operation.
2. Less feed waste, feeding and distributing are automatically controlled to reduce feed waste;
3. The material adopt arched structure, more durable and less deformation under pressure.



### LADDER FEEDING SYSTEM:

Ladder feeding system is mainly used for fully auto system, it can be used for A type and H type chicken cage. It can be used for any quantity project.

### ADVANTAGE

1. The feeding quantity can be adjusted, it can control the feeding quantity with the growing of the chicken;
2. High zin rate material with 1.2mm metal plate to make sure longer using life;
3. Stable operation, low noise and low maintenance.


**EGG COLLECTION**

**EGG COLLECTION  
SYSTEM**

**Auto egg collection  
system to reduce  
egg breakrate**



**EGG COLLECTION**

**EGG COLLECTION SYSTEM**

**CENTRAL EGG COLLECTION**

**ELEVATOR EGG COLLECTION SYSTEM**

- \* Egg collection system can be used for layer bird or breeder bird. It can reduce breakage;
- \* With egg filter system, it can filter the soft egg directly;
- \* Central egg collection can deliver the egg to the egg house directly, reduce human labor.



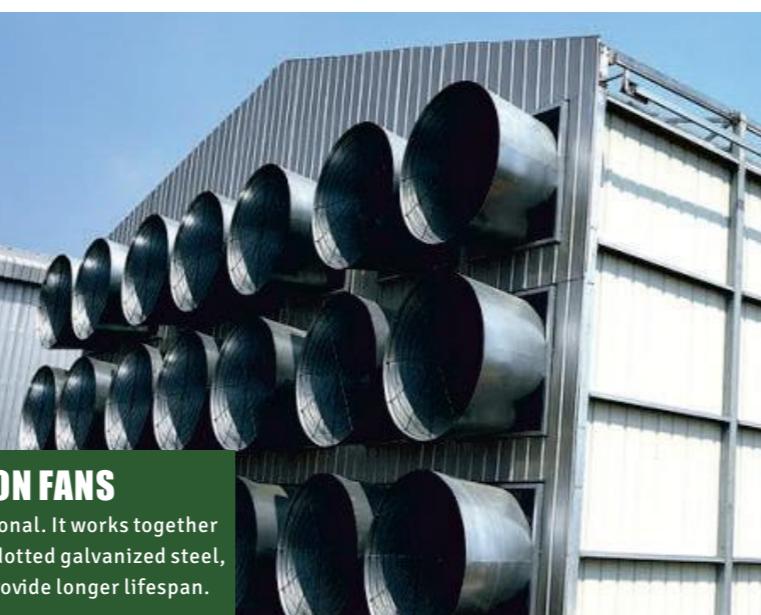


## VENTILATION SYSTEM



### VENTILATION FANS

Con fan and box fan for optional. It works together with cooling pads. The fans dotted galvanized steel, import motor and belt to provide longer lifespan.



## VENTILATION SYSTEM



### VENTILATION SYSTEM

\* Cooling pads and ventilation fans start at the same time. Water circle inside the comb of the cooling pads, when air go through the pads, temperature will get lower and the ventilation fan will bring the air out of the shed.

\* Deflector board can change the air direction so that the bird will not be hard caused by cold air.

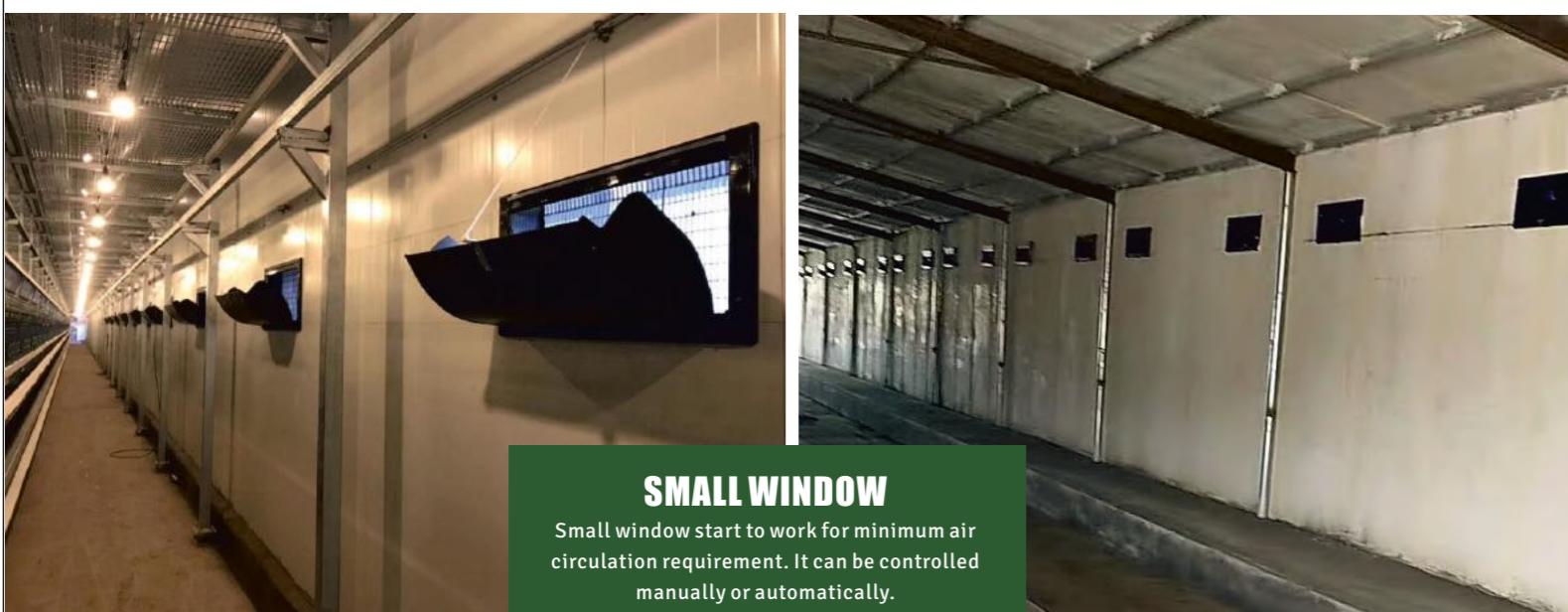
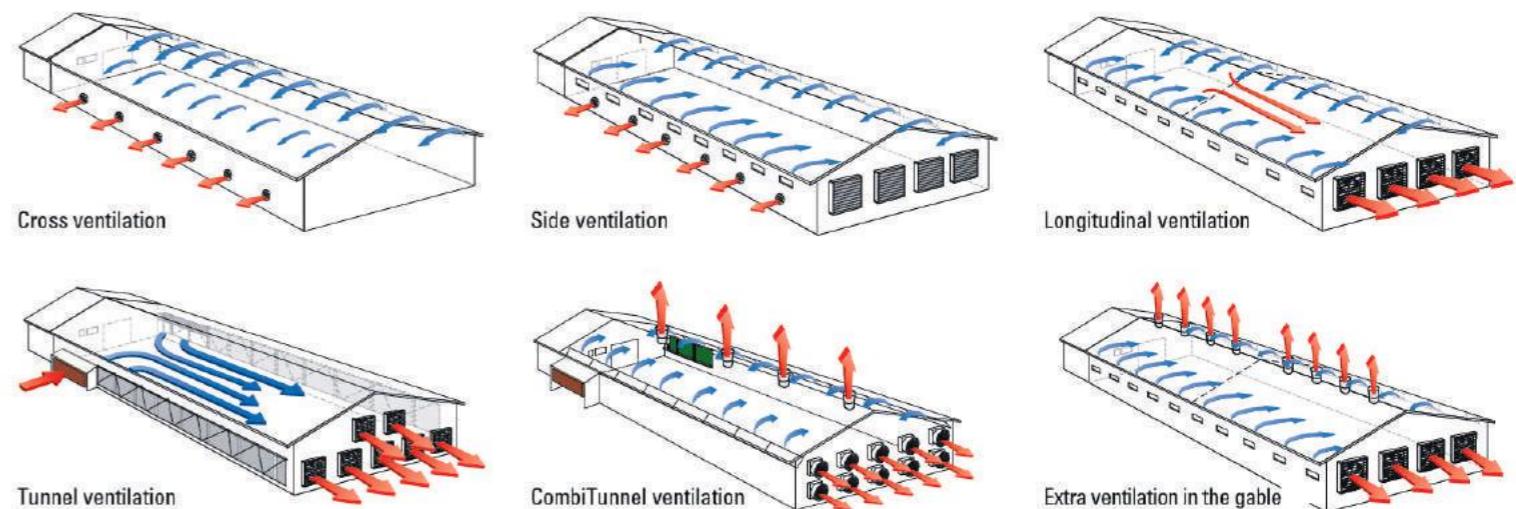


### COOLING PADS

Cooling pads work together with the ventilation fans, it is the most efficient way to reduce the temperature during summer.

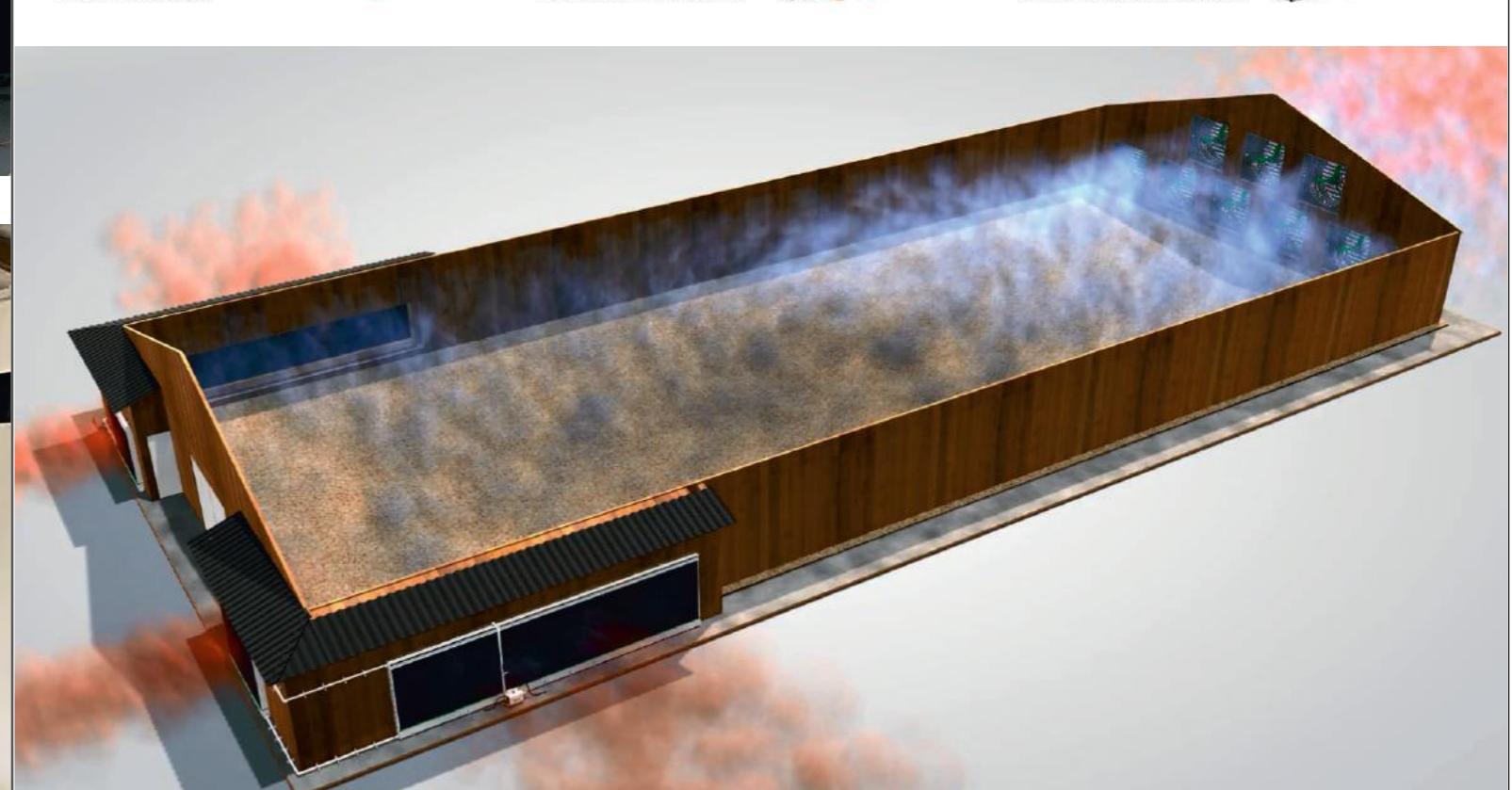


### DEFLECTOR BOARD



### SMALL WINDOW

Small windows start to work for minimum air circulation requirement. It can be controlled manually or automatically.





## MANURE REMOVAL



**SCRAPPER MANURE REMOVAL**



**BELT MANURE REMOVAL**



## MANURE REMOVAL



### MAIN EQUIPMENT:

1. 275G/cm<sup>2</sup> zin rate material with 3mm thickness for the equipment;
2. Roller is covered with solid rubber to protect the manure belt;
3. Second time manure removal to manure sure the clean of the manure belt.



### MANURE BELT:

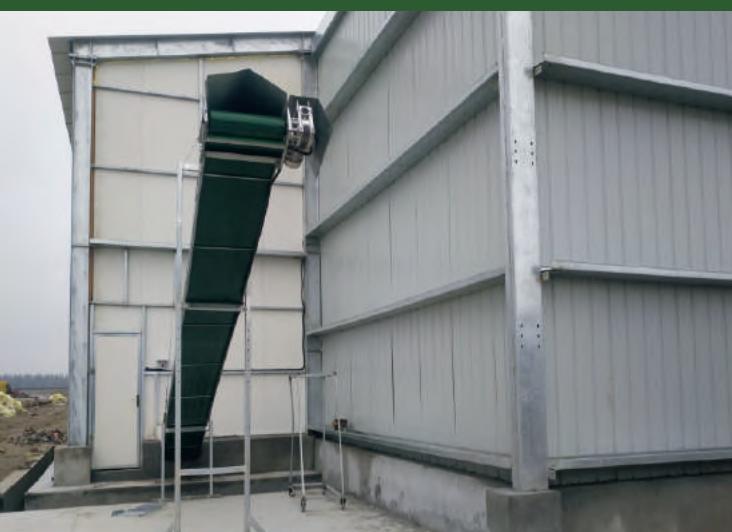
1. 1.2MM thickness, 0.2mm thicker than most of the supplier;
2. Raw PP material with advance class, makes it handle more strength to ensure a longer lifespan;
3. Environment friendly material, no harm smell to effect the health of the bird.



### MANURE BELT HOLDER:

1. 275G/cm<sup>2</sup> zin rate rod to support the manure belt, protect the belt from strength;
2. 1.5mm thickness, 0.3mm thicker than most of the supplier.

The transverse manure conveying system deliver the manure outside the shed in order to provide a clean shed.



## AUTO CONTROL



## CONTROL SYSTEM


**FEEDING SYSTEM**

**WATER SYSTEM**

**EGG COLLECTION**

**ENVIRONMENT CONTROL**

**LIGHTING SYSTEM**

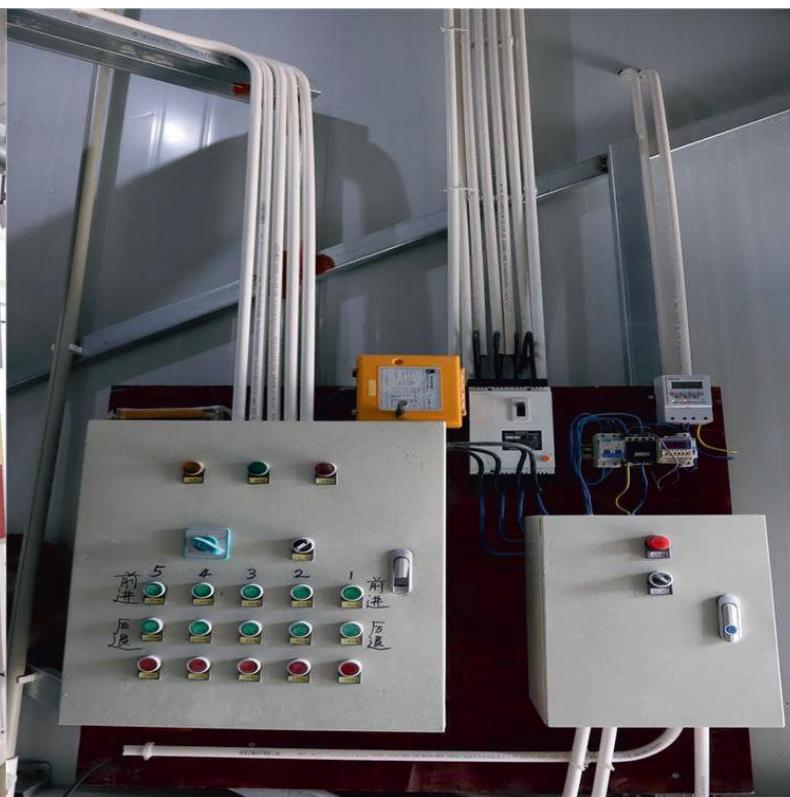
**MANURE REMOVAL**

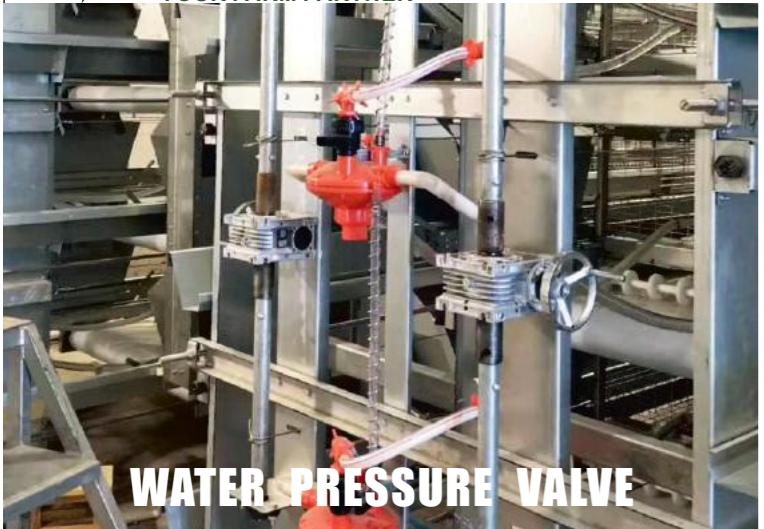
## AUTO CONTROL



## SPECIFICATION:

1. It controls all the auto system, including water system, feeding system, egg collection system, manure removal system, lighting system and environment control system;
2. The ventilation system can be adjusted automatically based on the actual temperature situation to meet the basic requirement of the birds;
3. Lighting system can imitate the sunshine so that the bird can grow naturally;
4. Remote control model, user can monitor the shed on mobile phone or computer, so that they can check the chicken situation anytime;
5. Fault alarm will be triggered when encountering abnormal situation;
6. Less human labor for the management.





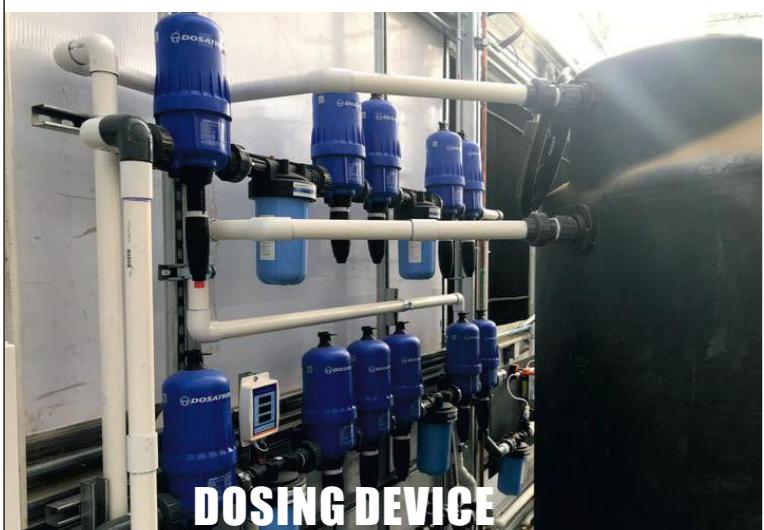
### WATER PRESSURE VALVE

Water pressure valve can make sure the bird drink clean water and the pressure valve are same  
Less leakage.



### WATER NIPPLE

Water nipple for layer birds is vertical drinking nipple.



### DOSING DEVICE

Dosing device can add medicine for the bird immunity to reduce mortality



### WATER PRESSURE VALVE

## TURNKEY SOLUTION

### STEP 1

Demeter receive your message or call for poultry farm



### STEP 2

Demeter offer plan and quote, we reach an agreement



## DEMETER

### STEP 3

Demeter offer farm and shed design after payment



### WATER NIPPLE

Water nipple for pullet layer bird and broiler bird is with drinking cup.



### WATER NIPPLE

Engineer PVC material for plastic part and stainless steel material for ball part.

### STEP 4

Start to produce the equipment for the project



### STEP 5

Arrange delivery and certificate for destination port



### STEP 6

Send engineer for installation, commissioning and training



## SALES NETWORK



**Demeter Machinery** has been exported to over 40 countries and the export sales is already higher than domestic market. With over 20 years poultry farm project experience, we can offer turnkey solution for the poultry farm project and help thousands customer to start their first project.

With professional engineer team, we can offer shed design, farm design, installation, commission and training for the employees. With right guidance, the service life can be expanded.

Welcome all the customer come to our factory for a better understanding!