



## TechPro Series Layer Cage System

-More Tech, More Eggs-



Poul Tech Machinery is a professional factory of poultry equipment manufacturer in China, Tech Pro series layer cage is one of our mainly products. With the exquisite technique, Tech Pro layer cage equipment has long service life, high functional reliability, humanized management and convenient operation, it's aims to supply villa style living environment for layer in modern farms.

A

## CAGE STRUCTURE SYSTEM

1

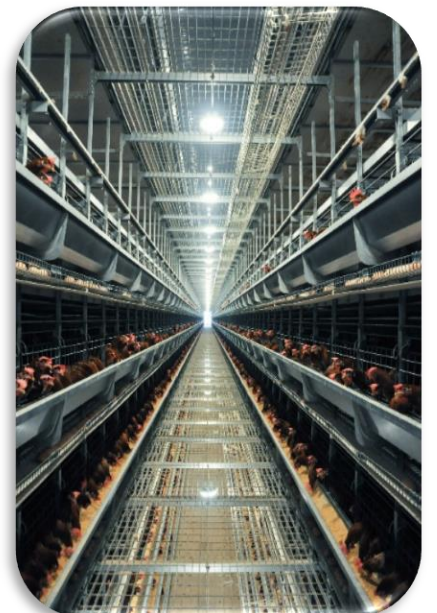
275gsm steel sheets with good corrosion resistance which keeps a long service life

2

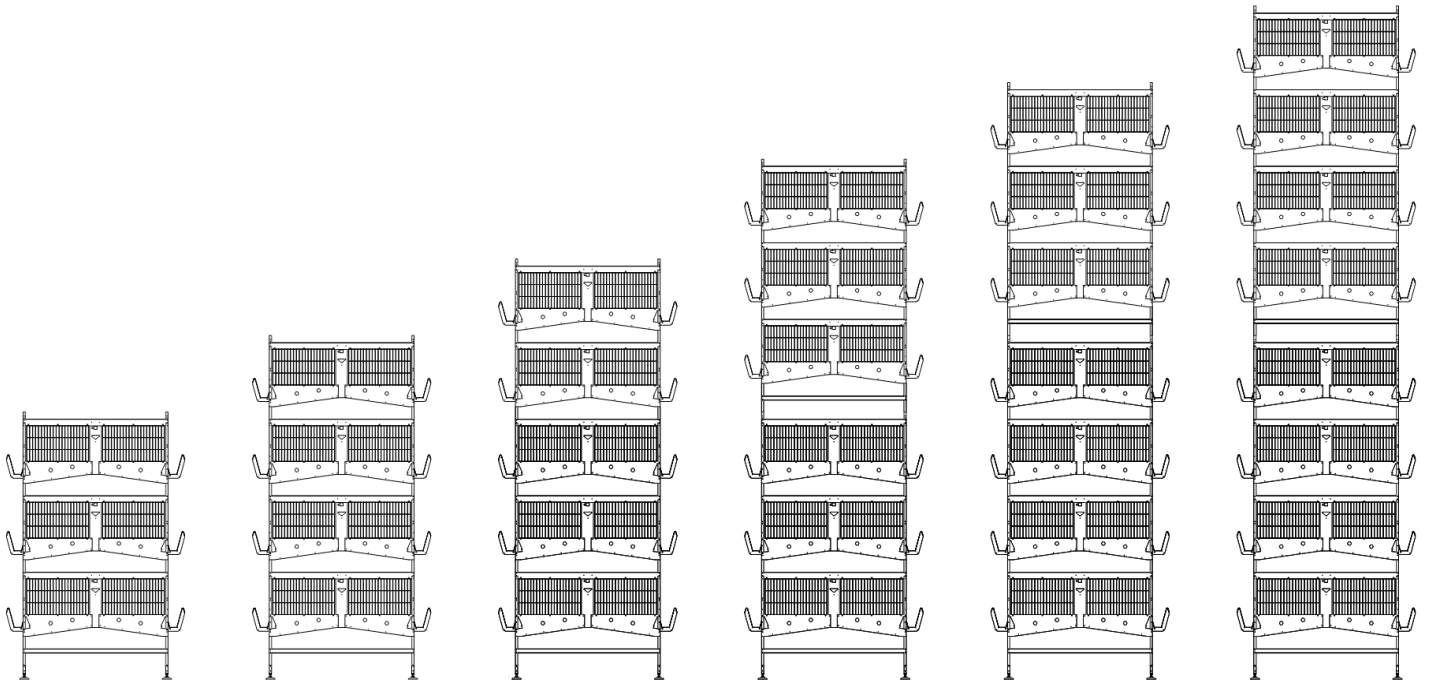
The cage stand with more fulcrum is very stable and the entire cage system without welding

3

The cage mesh made by hot galvanized or Galfan (zinc-aluminium alloy) wire



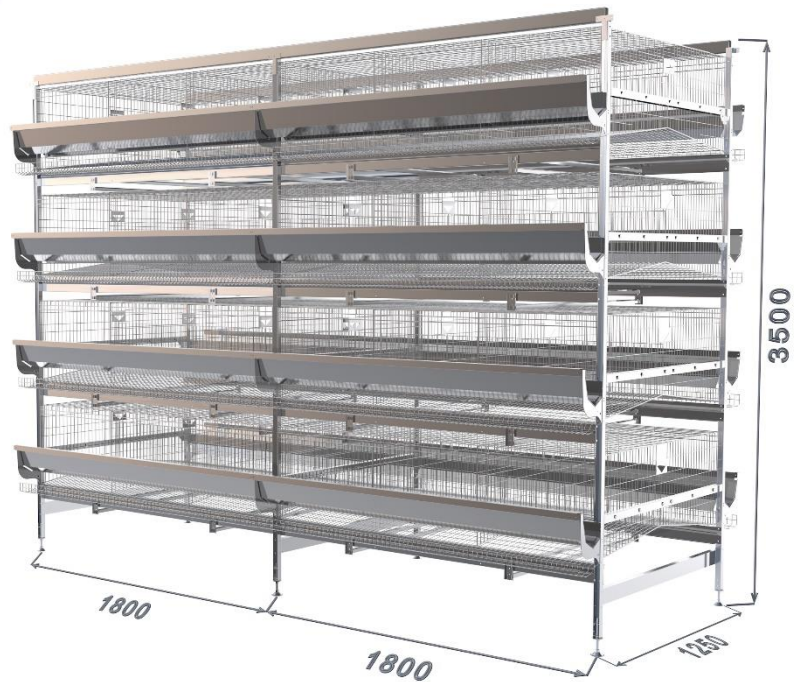
*More Tech, More Eggs*



Type	Length/Section	Dimension/Cell	Cell/Unit	Birds/Cell	Floor Space/Bird
TechPro 1200	1200 mm	600*625*700 mm	2	8	416.67 sq.cm
TechPro 1800	1800 mm	600*625*700 mm	3	9	416.67 sq.cm



**TechPro 1200**



**TechPro 1800**



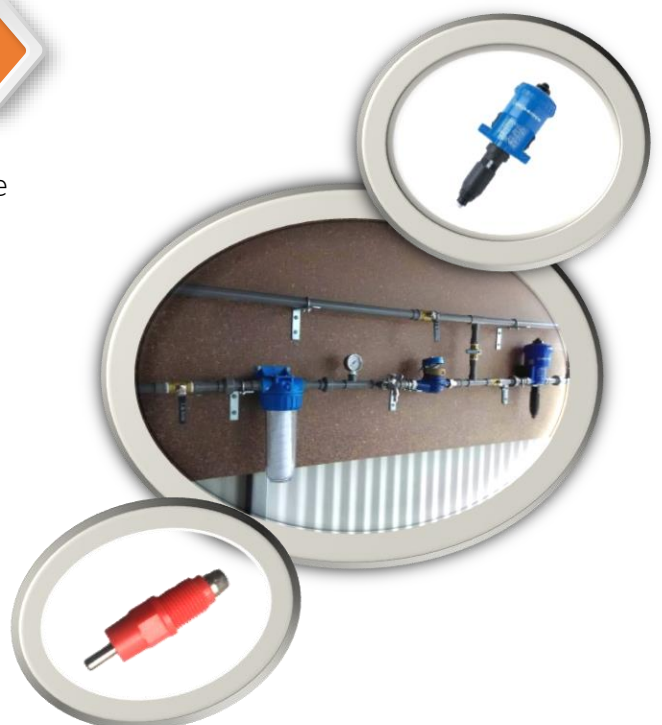
The drinking system is consisting of PVC material square shape pipe, nipple drinkers, which is made of plastic and stainless steel in red color, in each section and the bottom plastic drop catcher in V shape. All nipple drinkers will be fitted with the square pipes already, which will be packed by carton and plastic bags outside for protection before shipment.

**B**

## **AUTOMATIC DRINKING SYSTEM**

There are 2-3 nipple drinkers for each cage sections on the PVC pipes. The "V" shape leakage gutter underneath the water pipes, which holds the water drops and prevent it drip to the manure belt or the chicken body.

Water regulator is located on each tier of the cage. It supplies the water from the water line to the pipes through reservoirs with the proper pressure. The filters and the medicator (DOSATRON of France) are used to clean the water and keep health of all chickens.



The automatic feeding system compose with feed carts, auger pipes, feed silo, feed trough and feed adjustment apparatus.

In this system, feed is distributed automatically to the feed carts, it's transport from the feed silo by the augers pipe with 90-150 mm diameter. The Auger is made by Technical-System from South Africa with the best quality

The feed trough is made by Magnesium Aluminum Zinc sheets with high corrosion resistance

The feed cart with fully enclosed design to avoid dust, it's reduced the incidence of chicken respiratory disease.





01

The automatic egg collection machine has the powerful collection ability, it's reduced the egg breakage which may be caused by manual work

02

The egg belt adopts Italian technology which made by PP material. It has a larger tensile force, and the monofilament tension can reach 5-7 kg.

03

The length and slope of the egg conveyor chains can be controlled according to different condition of chicken house. It can be operation without any obstacle.



Chicken manure fell on the manure belt Under the cage in each tier then transports to the horizontal manure conveyor. The manure belt is in cycle running in each tier, it's designed with top tight and bottom loose condition. This design avoids the deviation of the manure belt in working.

After first cleaning, we have added the second scraper device, it's making the manure belt very clean. The second manure scraper designed in adjustable way according to chicken manure thick degree.



The motor for the manure conveyor is covered by the galvanized steel sheets in case of the strong sunshine, rainy, water etc. And the power can be changed according to different conveyor length.

The manure can be transported to the storage or through vertical manure conveyor transport to the dung vehicle directly.



Ventilation request:

- 1). Maintain a good level of hygiene and comfort
- 2). Provide chickens with sufficient oxygen

- 3). To control the speed of the wind and provides the comfortable somatosensory temperature for the chicken
- 4). Eliminate harmful gases in the house



About ventilation fans

- 1) 275 g/sqm steel material imported from Japan.
- 2) 430BA stainless steel blades have been tested for balance, and the fan runs more smoothly and efficiently.

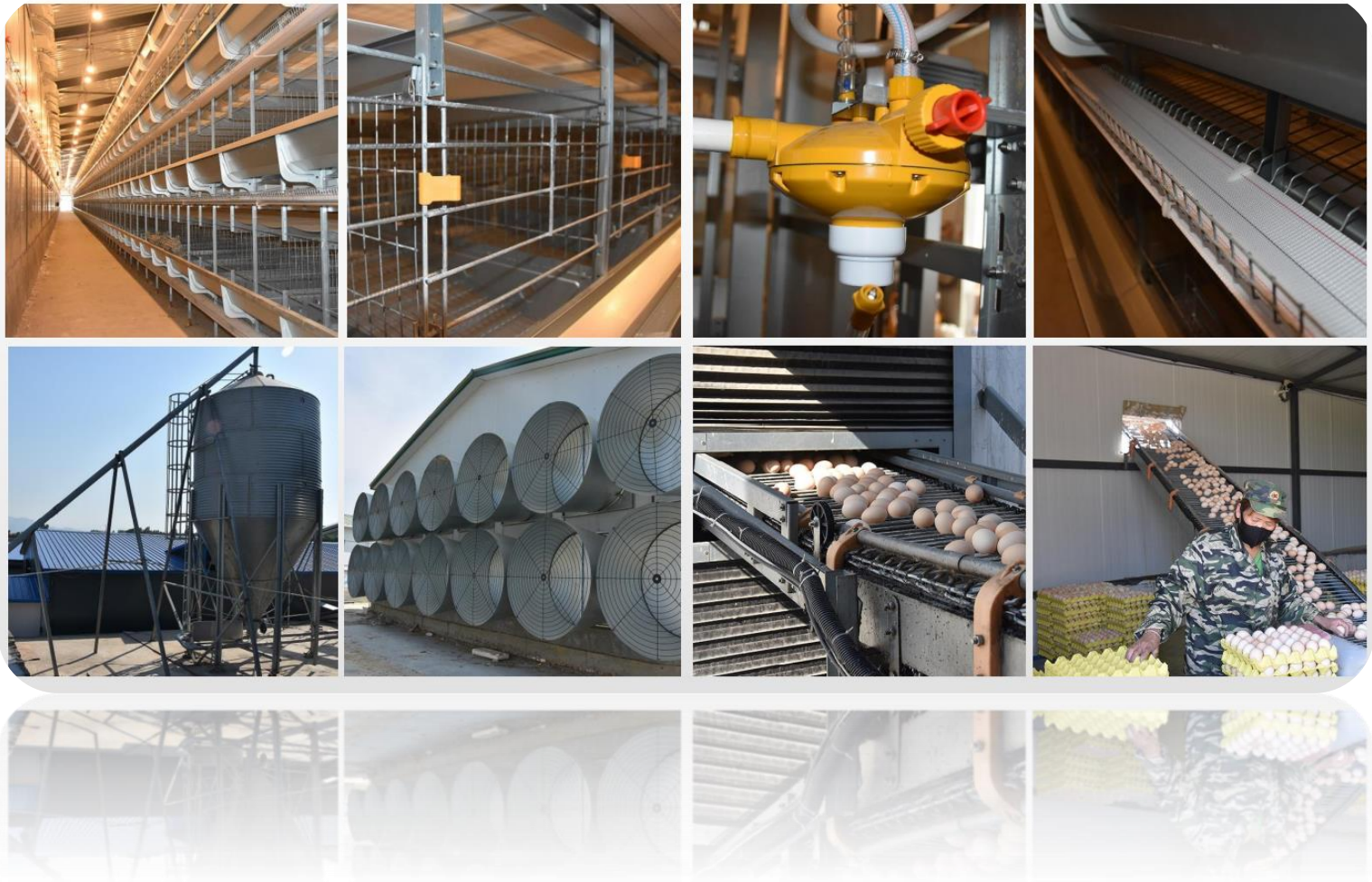






The chicken house control system is divided into two parts, the front-end electric control cabinet and the back-end strong current electric cabinet

1. The front control cabinet is mainly operation for automatic machine motors, include feeding auger, feeding cart, egg collection machine, manure removal and manure conveyer motors.
2. The back end strong current electric cabinet is control for the ventilation fans, cooling pads water recycle and air inlets motors. It's used in conjunction with the climate controller to keep the chicken house at a comfortable temperature.
3. The climate controller equipped according to the different chicken capacity in per house. We have the climate controller PTEC series independently developed by Poul Tech machinery. It can be used in the house with less than 30,000 birds.
4. The AC2000 series climate controller is from Munters, it always equipped with more than 30,000 birds per house.



---

## HENAN POUL TECH MACHINERY CO., LTD.

ADD: ROOM NORTHEAST, 14 FLOOR, NATIONAL UNIVERSITY TECH PARK,  
CHANGCHUN ROAD, ZHENGZHOU HIGH-TECH ZONE, HENAN, CHINA.

HOTLINE: +86-(0)371-56797621

EMAIL: [poultech@aliyun.com](mailto:poultech@aliyun.com)    [poultrytech@yahoo.com](mailto:poultrytech@yahoo.com)

MOBILE (WhatsApp & WeChat): +86 13733845866

WEBSITE (English): [www.cnpoultech.com](http://www.cnpoultech.com)

