



## Large Space Automatic Poultry Manure Removal System For Breeder Chicken Battery Cage

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Farmrob
- Certification: ISO9001
- Model Number: H Type
- Minimum Order Quantity: 200 sets
- Packaging Details: Normal export packing 20ft / 40HQ container
- Delivery Time: 50 days
- Supply Ability: 50000 sets per month



### Product Specification

- Product Name: Poultry Manure Removal System
- Brand Name: Farmrob
- Cage Size: 4800mm\*1200mm\*700mm
- Capacity Per Cell: 100 Birds/Cell
- Tiers: 3 To 6, Which Can Be Designed
- Feature: Anti-corrosion
- Material: High Aluminum Content Series
- Service Lifespan: 15-25 Years
- Manure Removal System: Automatic Manure Removal System
- Feeding System: Automatic Feeding System
- Drinking System: Automatic Drinking System
- Highlight: **Large Space Poultry Manure Removal System,  
Automatic Poultry Manure Removal System,  
Breeder Chicken Battery Cage**



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## Product Description

# Large Space Mixed Gender Poultry Manure Removal System For Breeder Chicken Battery Cage

## Manure Cleaning System

The head frame device for manure cleaning adopts a plastic nylon spiral driven wheel at the front end to prevent the manure cleaning belt from wandering and effectively remove accumulated manure.

The support of driven device in the middle of manure cleaning device is made of zinc-aluminum-magnesium alloy material, which has good strength, high anti-corrosion performance, and no burrs on the surface, eliminating the scratch of the manure support frame on the manure cleaning belt. The power device at the tail frame is designed with a multi-layer integrated control for the tail-end manure cleaning scraper pressing mechanism, which is labor-saving and easy to operate. Both the large and small rollers at the tail end adopt injection-molded tire rubber driving wheels, which have good plasticity, increase friction, eliminate stress, and protect the manure cleaning belt. The tail end uses injection-molded double scrapers for manure cleaning to protect the manure cleaning belt and cleans the manure more cleanly. The tail end manure cleaning belt of horizontal manure removal device has a thickness of 7mm, and an alloy fixed frame that does not rust or deform.



## Importance of manure removal system

In poultry farms, manure is often regarded as a limiting factor rather than a byproduct. The foul odor emitted by manure creates an ideal environment for the growth of flies and bacteria. Farmrob firmly believes in the importance of a reliable transmission system, which transports manure from the chicken house's manure pit to the final destination and then to the storage area via conveyor belts. In our technical solutions, the quality and efficiency of components are key features. The manure elevator is adequately sized to load manure onto specialized trucks or transport it to free-range areas. The conveyor drive is specially designed to be weatherproof. The horizontal manure conveyor belt extracts the product from the PPP conveyor belt located beneath the cages and transports it to another conveyor elevator. The quality of the conveyor belts has received special attention. We focus on design details, select the highest quality raw materials, and analyze specific installation requirements,

enabling Farmrob to provide efficient solutions. Additionally, Farmrob provides all the necessary drawings for the civil engineering related to the installation.

1、	front driven device		hot dip galvanized framework
2、	bracket of manure belt		magnesium aluminum zinc alloy bracket and side plate, high corrosion resistance, smooth surface, avoid scratching manure belt
3、	tail driving device		275g/m <sup>2</sup> alloy frame and side plate, hot dip galvanized base, injection-molded wheels, large friction coefficient, protecting manure belt
4、	manure cleaning belt		$\delta=1.0\text{mm}$ , pp manure cleaning belt, not easy to elongate, good plasticity, long service life
5、	horizontal manure removal		W=600, horizontal 24m, oblique 16m, alloy frame, good anti-corrosion performance, manure belt with 7mm thick, manure ditch cover

#### Automatic breeder cage parameter

Length	4800mm
Width	1200mm
Height	700mm
Tier Height	850mm
Width/Door	1200mm
Area/Bird	576 /bird
Birds/Cage	100 birds/cage



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