



The Pioneer of Super-High Constant-Temperature Poultry Equipment
The Forerunner and Pioneer of Digitizing Farm Management
Expert of Climate Control with $\pm 2^{\circ}\text{C}$ Temperature Difference



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**MANURE
TREATMENT**
**INTELLIGENT MANURE
DRYING SYSTEM**

WH3H-4C36L INTELLIGENT MANURE DRYING SYSTEM



PRODUCT INTRODUCTION

Advanced chicken manure treatment facility is essential to large-scale poultry farms expansion. Scientific design will greatly contribute to the long-distance auto transfer and intensive manure treatment; the waste heat extracted from inside of chicken house will dry the manure in tilters which optimizes the space utilization and reduces bad smells. Therefore, the waste manure can be recycled to new energy after drying, then dried manure can be turned into organic fertilizer with rich trace elements for planting.

PRODUCT CATEGORY

Intelligent Manure Drying Equipment
(4, 6, 8 Tiers)
Applying to both single or multi blocks
with over 250,000 birds capacity per set

PRODUCT DEFINITION

Providing professional installation and
maintenance services for large-scale
farming enterprises



ONE-STOP MANURE DRYING



Front End Process, Tail End Process, Distribution Device, Manure Drying Plate



FRONT AND TAIL END: Customized height and length according to the farming capacity



AIR-DRYING: Intelligent and efficient air-drying in tiers



DISTRIBUTION DEVICE: Even distribution of manure on the drying plate leads to uniform and efficient drying

CORE TECHNOLOGY



Recycling hot air from chicken house for constant air-drying

10°C

External temperature ≥ 10°C

60%

Humidity ≤ 60%

12h → 30%

Humidity of chicken house reduced to less than 30% within 12 hours

ADVANCED SOLUTIONS



Excellent low temperature drying maximally reduces bad smell gas during manure fermentation, getting rid of flies and other bad insects



Direct processing on site to reduce transportation cost



No waste water, no heavy bad smell, no pests diseases



Dried particles



Granulated manure

OVERALL ADVANTAGES



01

Recycling the warm air inside the chicken house for manure drying rather than discharging into the air causing pollution

02

Modular design to meet the customized demand of farmers with quick installation and stable performance

03

Customized dimensions and configuration according to farm site conditions

04

Hot/Cold galvanized equipment and plastic coating for anti-corrosion, high processing capacity with strong perforated carbon-steel plate

05

Utilizing dried manure for organic fertilizer and eco-friendly recycling for large-scale sustainable poultry rearing

06

High-grade components to ensure smooth running of equipment

07

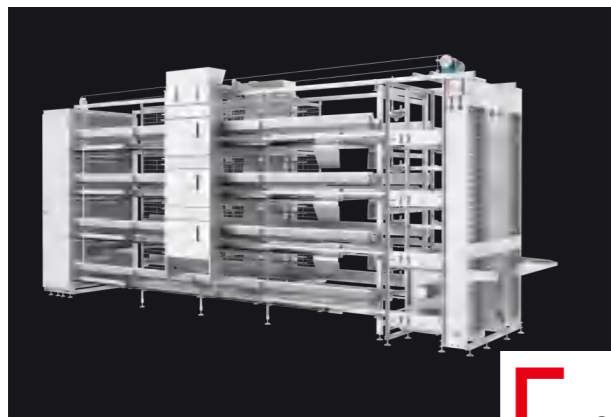
Fast drying of manure to save time and power cost (humidity reduction from 80% to 20%-30% within 24-48 hours)

08

Huge processing capacity for large-scale farms. 50,000 to 100,000 birds per set for single block and over 250,000 birds per set for multi-blocks

09

Great market prospects and profitability of dried manure



Intelligent Layer Cage System (4/5 tiers)



Super-High Constant Temperature Layer Cage System (6/8/9/10/12 tiers)

OPTIONAL EQUIPMENT



Feather Collection Equipment



Waste Purification System

AIR-DRYING PROCESS

Through inside and outside conveying system, the wet chicken manure in the chicken house can be automatically transmitted into the distribution device, to be evenly distributed on the perforated plates for uniform drying. Meanwhile the warm air flow inside chicken house will be pumped out by the fan to across the overlapping plates, which greatly reduce the manure moisture with excellent drying performance



APPLICATION FIELDS

After high temperature sterilization, the dried manure will be turned into high quality organic fertilizer for a wide range of planting applications such as vegetables, tobacco, fruits, flowers, seedlings and others (proportion can be adjusted based on the specific usage).



DIGITIZING CLOUD SERVICE PLATFORM



Intelligent Manure Drying Platform

Farming Central Control Platform

APPLICATION TERMINALS

(Data center, monitoring screen, computer, pad, mobile phone)

POUL TECH is dedicated to empower intelligent farming for poultry enterprises with one-stop solution to integrate all sections for cost-efficient benefits. Doing more with less for sustainable growth!

SAMPLE PROJECTS



Capacity: 1,800,000 Birds, 10 Blocks
Length of Single Block: 25M



Capacity: 330,000 Birds, 3 Blocks
Length of Single Block: 25M



Capacity: 950,000 Birds, 2 Blocks
Length of Single Block: 42M



Capacity: 420,000 Birds
Length of Block: 50M



Capacity: 100,000 Birds
Length of Block: 35M



Capacity: 80,000 Birds
Length of Block: 30M



SERVICE SYSTEM



One-Stop Customized Farming Solutions



Farm Site Selection Layout Plan



Farming Skills Training Remote Consultation



Professional After-Sale Service 24-hour Service Hotline



Tracking & Survey



Online Technical Training

RELATED SERVICES

DESIGN PLANNING

Professional designers team to customize "one set for multi-blocks" site plan for cost reducing and space saving

TECHNICAL SUPPORT

Complete operation training, user-friendly maintenance guide, fast after-sale reaction

ON TIME DELIVERY

Modern intelligent factory ensures on-time delivery and installation

PROJECT SITE

Projects visiting is supported for POULTECH worldwide projects