

Simple/Reliable/Green/Efficient

大牧人  
Big Herdsman

## DSM SERIES LAYERED BROILER CAGE SYSTEM

DSM series uses a sowing machine or overhead-rail car for chicken collection, featuring a central ventilation channel in the cage body to greatly improve air exchange efficiency.



WEBSITE

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*POULTRY PRODUCTION*

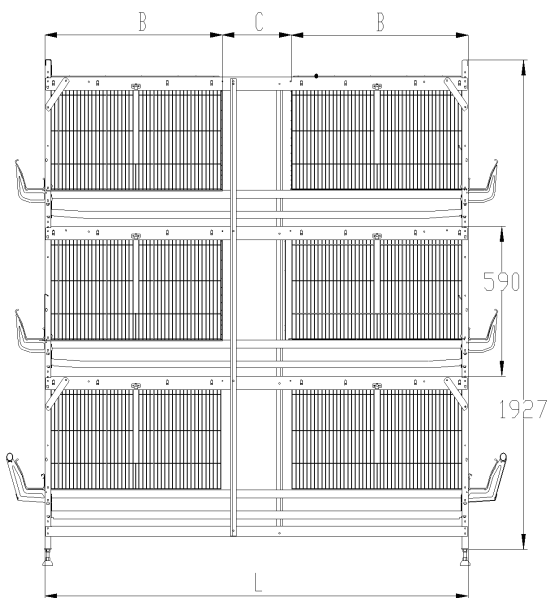
# DSM SERIES LAYERED BROILER CAGE SYSTEM

## Main Cage System

- Main frame is made of non-spangle hot-dip galvanized steel sheets (zinc coating 275g/m<sup>2</sup>). The cage wires can be galvanized aluminum or post-weld hot-dip galvanizing (no zinc slag, extended lifespan).
- The horizontal and vertical connections are solid and efficient, ensuring overall cage stability.
- Large integrated internal push doors create a wide operation space for easier daily management and bird catching.
- An open gap >320mm between the third layer, significantly improving heat dissipation and reducing ventilation control difficulty.
- Operable cart rails facilitate observation, bird catching, and trough protection.
- Integrated edge-sealing injection-molded mesh helps prevent feed and manure leakage, reduces labor, and eases cleaning.



## DSM Series Selection Reference



Length A	1.05		1.25		
Width B	0.8	0.9		0.8	
Neutral	0.35	0.35	0.4	0.35	0.45
PP belt	Total belt	Total belt	Total belt	Separate	Separate
Total Width L	1.95	2.15	2.2	1.95	2.05



# DSM SERIES LAYERED BROILER CAGE SYSTEM

## Feeding System

- Big Herdsman provides two feeding options: sowing type and trolley type: (hot galvanizing, zinc layer).
- Different styles of feeding devices to overcome the uneven feeding caused by uneven floor.
- Advantages of trolley type: compact in structure, smooth and accurate in feeding, separate in feeding control, good for lighting, and less dependent on flat poultry house floor, suitable for new poultry house and renovation of poultry house, and feed adaptable.
- Feed trough: straight white PVC Feed trough with reliable quality and small seam.



## Manure Cleaning System

- The longitudinal PP manure cleaning belt with a thickness of 1.0 mm with smooth surface and high strength is used to remove all manure without deviation.
- The horizontal manure cleaning frame is hot galvanized as a whole, and the PVC conveyor belt in seamless connection design and whole ring installation is used to ensure strength, use effect and service life.



## Water Supply System

- The unified-lifting nipple drinking water system, no leakage, reduce labor and avoid drinking line damage
- a: unit dimension: 1.05\*0.8m; unit height: 0.45m.  
b: 17 broilers in one unit and 102 broilers in one group (three tiers).  
c: with space in the middle for ventilation and with large mesh door to provide large space for bird harvest.  
d: automatic water supply, feeding and manure cleaning.



## QINGDAO BIG HERDSMAN MACHINERY CO.,LTD

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## NSM100A TIER BROILER CAGE SYSTEM

Designed with excellent ventilation, automatic feeding, automatic drinking, and automatic manure removal, while manual catching is used for bird collection.

Cage dimensions: 1250mm (L) × 1000mm (W), tier height 600mm, 450mm ventilation space above the cage, 50 & 80mm ventilation openings below.

Each cage accommodates 25 white-feather broilers (2.5kg).



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*POULTRY PRODUCTION*

## Technical Description

### Main cage system

- Main frame uses non-spangle hot-dip galvanized steel sheets with a zinc coating thickness of 275g/m<sup>2</sup>.
- Cage wires use galvanized aluminum wire welding or a post-weld hot-dip galvanizing process, ensuring a long service life.
- Newly designed chicken output side connection close to the bottom mesh with an outward fold to prevent manure leakage and facilitate washing.
- New-type threaded rope clamps on the adjustment plate help prevent parts from getting lost, saving manpower.
- Integrated edge-sealing injection-molded pad mesh works with a baffle plate for comfort, bird safety, and preventing chicks from leaking to lower levels.



### Manure Cleaning System

- Longitudinal manure belt: 1.0mm thick PP with a smooth surface and high strength, ensuring clean manure removal without deviation.
- Cross manure removal frame is hot-dip galvanized as a whole, with a PVC conveyor belt welded seamlessly in a loop, providing excellent strength and durability.



### Feeding System

- Sowing-machine-style feeder with a hot-dip galvanized sheet-metal frame, corrosion-resistant and stable.
- Retractable feed spreader addresses uneven terrain and distributes feed uniformly.
- Feed machine wheels include anti-foot-crushing and anti-derailment designs for safety.
- The integrated circuit control box has an automatic correction function when stopping; supports manual, remote, or timed feeding, records feeding times and travel distance, paving the way to unattended intelligent farming.



### Water Supply System

- Unified elevated drinking system with reliable quality and minimal leakage.
- 360° side-trigger nipples that drip water to stimulate birds' drinking behavior.



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