

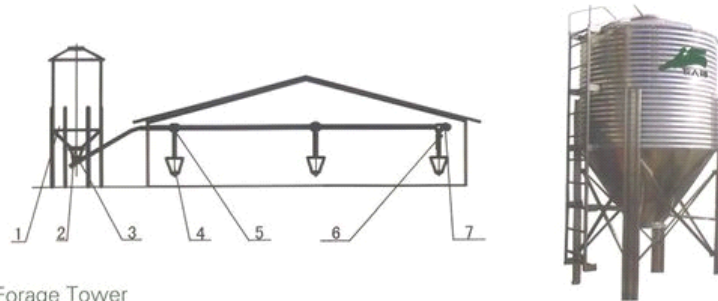


Automatic Feeding System

The automatic feeding system conveys feed into hopper or tray by the rotations of auger.

A. Main stockline system

Main stockline system consists of a driving device, a forage tower, a conveying pipe, an auger and a material level sensor. The main stockline system is mainly used to convey feed from the forage tower into the hopper of the feeding line and automatically control the conveying opening/closing of the motor by the material level sensor to achieve the aim of automatic feeding.



Forage Tower

Advantages:

- a. Feed tower standard ladder which has a guard railing and is safe and reliable.
- b. Firm connection and good sealing performance.
- c. High-quality plates, for more than 10-year service life.

Model	Volume	Height (no foundation)	Diameter
MRS-4.0 (1802)	6.2m ³	4.9m	1.833m
MRS-7.3 (2701)	11.2m ³	4.5m	2.75m
MRS-10.6 (2702)	16.4m ³	5.68m	2.75m
MRS-14.0 (2703)	21.6m ³	6.8m	2.75m
MRS-20.8 (3602)	32m ³	6.9m	3.667m
MRS-27.3 (3603)	42m ³	7.9m	3.667m

Material description: silo roof plate and silo wall plate layer-galvanized sheets with the thickness of 1.2mm; second layer of silo wall plate-galvanized sheet with the thickness of 1.5mm; Conical bottom plate-galvanized sheet with the thickness of 1.5mm; silo column- hot dip galvanizing on the surface No. 10 channel steel; support- ϕ 3.6mm, 8 supports/silo.

Performance parameters of main stockline system

- a. High-quality special driving reduction motor
Power: 0.75kw, voltage: 380V, frequency: 50HZ, three-phase AC current
- b. Feeding system
Diameter of conveying pipe: ϕ 75*3.6mm, material: PVC
Helical spring auger from South Africa, Feeding ability: 1,400kg/h, maximum conveying length: 60m
Radius of bending pipe: R1500 (inclination angle: 30 degrees)
- c. Material level sensor from Israel:
Time delay range 0 to 2 hours



B. Automatic Feeding System

Meat chicken disk type automatic feeding system consists of a driving device, a hopper, a conveying pipe, an auger, trays, a suspension lifting device, an anti-perching device and a material level sensor.

The main function of the system is to convey feed from the hopper into each tray to ensure the eating of the meat chickens and automatically control the conveying opening/closing of the motor by the material level sensor to achieve the aim of automatic feeding.

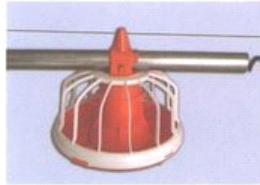


Performance Parameters of Feeding Line System

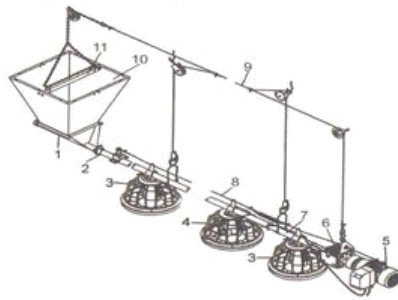
- a. High-quality special driving reduction motor
Power: 0.75kw, voltage: 380V, frequency: 50HZ, three-phase AC current
- b. V-shaped Bin (With Hopper)
Bin Volume: 115L, hopper volume: 38L,
Material: hot-dip galvanized sheet
- c. Feeding System
Diameter of conveying pipe: ϕ 45mm
Material: hot-dip galvanized steel pipe with the zinc coating amount of more than 275g/m²
Helical spring auger from South Africa feeding capacity: 450kg/h
- d. Material level sensor from Israel: time delay range 0 to 2 hours

Main Characteristics of The Tray

- a. The installation mode of the tray on the conveying pipe is divided into a stationary type and a swing type;
- b. The adjustment of forage amount of the tray is divided into 13 shifts, and the shifts are conveniently adjusted according to the need;
- c. The inner cylinder can adjust the discharge amount till the tray is closed;
- d. The discharge amount can be adjusted by grabbing the outer grille by hand and rotating to position up and down; the mode is convenient, accurate and quick;
- e. The tray bottom can be taken down, placed on the ground, and used as a feeding plate of chicks;
- f. The V-shaped corrugated tray bottom can reduce the stock on the tray bottom, make the chicks eat fresh food, and can prevent the chicks from negatively lying in the tray to eat or rest for a long time;
- g. The edge of the tray inclines toward the center of the tray, which can avoid the waste caused by the spilling of the forage;
- h. The outer edge, which is smooth and inclines inward, prevents the crops of the chicks from being hurt, and makes them eat safely and comfortably;
- i. The tray bottom is suspendingly detached, and has convenient and sanitary washing and installation.
Raising Amount: 40-55/tray, 150kg live weight.

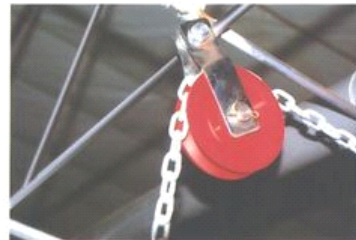
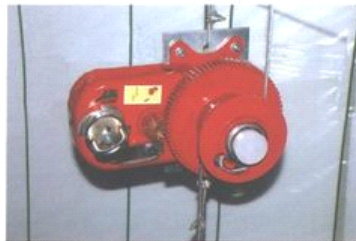


Suspension Lifting System



- a. Main Body of Hopper
- b. Conveying Pipe (With auger inside)
- c. Tray
- d. Control Tray (With material leveling device)
- e. Motor
- f. Connecting Box
- g. Tail End Pipe
- h. Anti-perching Line System
- i. Lifting Suspension System
- j. Bin
- k. Cross-beam

Suspension Lifting System mainly Including:
Winch, Chain, Wheel S-type hook, Fixing Material, Steel Wire Ropes and so on.



Winch Maximum Lifting Weight: 3500 pound (about 1600kg).
The distance between suspension points : 3mm
The tray is adjusted to the optimum height by promptly adjusting the height of the stockline by the winch lifting system. Only need to heighten the feed line, then clean and disinfect the house after chicken sale.



Super Herdsman

Build stage for employees

Create value for customers

Contribute wealth to the society

**If any questions please contact me (Arthur)
Shandong superherdsman husbandry machinery Co.,Ltd.**

**superherdsman@live.cn
Tel: +86-531-86077699
Fax: +86-531-86128789**

The Expert of Standardized Broiler Breeding Engineering

Wudi Economic Development Zone, Shandong Province, China