

FEED DELIVERY SYSTEMS

The feed delivery system is designed to ensure efficient, reliable, and uniform feed distribution across the entire poultry house. By integrating precision conveying technology with automated control, it minimizes feed wastage while maintaining consistent feed supply, supporting optimal bird growth and farm productivity.



Advantages

- Large-capacity bulk bins are positioned at the perimeter of the farm site. Feed is transferred via augers in a relay system, and each central bin can discharge material independently.
- Distribution bins are located between every two poultry houses.
- Two houses share one set of distribution bins, which are equipped with a batch weighing system to achieve targeted and quantitative dispensing into the equipment's hoppers.
- Feed is delivered in bulk by tanker trucks directly from the feed mill to the farm's perimeter for direct filling of the bins.
- This process eliminates the need for feed vehicles to enter the inner farm area, significantly enhancing biosecurity.



- A high-performance, heavy-duty auger system engineered for superior durability.
- Multiple pipe diameters available to match various required feeding rates.
- Integrated limit switches provide reliable motor overload protection.

MALE PAN FEEDING SYSTEMS



Male Pan Feeder

- Durable & Resilient: Engineered for extended service life with excellent corrosion resistance and toughness.
- Two-Piece Design: Features separate upper and lower parts for quick and effortless installation.
- Integrated Shut-Off: Includes a drop-down switch to securely stop feed flow as needed.
- Shallow Trough Profile: Its low-profile design makes it suitable for birds across all growth stages.
- 6-Level Adjustability: Feed volume is easily regulated across six distinct settings.
- Internal Rolled Edge: A built-in rolled edge effectively minimizes feed spillage and waste.
- High Capacity: Each pan is designed to accommodate up to 14 birds.
- Snap-Fit Assembly: The sliding mechanism allows for easy disassembly, cleaning, and reassembly.

Parameters of the Disc-type Chain-and-Auger Feed Line

Power	1.1Kw
Auger	D36.4xD20.4x39.5
Tube Specifications	Φ45x1.1mm
Feed Rate	6kg/min(275rpm)
Batch Size	150L-230L
Tray Pitch	3 Meters, 3 Pans
Feed Line Length	Maximum: 130 m

Male Pan Feeder Specifications

Material	PP
Pan Diameter	Φ340mm
Number of Birds Served	14 Grates
Adjustable Settings	6 adjustable settings for more consistent feed distribution. Integrated pan lock to prevent swinging.
Feed Amount	400g-1360g

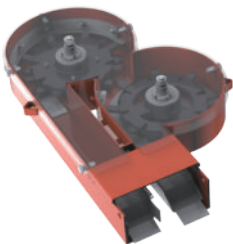
CHAIN FEEDING SYSTEM

Male Chain Feeder



Hopper

- Manufactured from high-quality galvanized steel sheet with a zinc coating thickness of 275 g/m² (double-sided). Features an adjustable feed regulator with 7 distinct level settings.
- Dual-return auger system prevents feed accumulation on both ends of the hopper.



Corner Sheave

- The housing is protected by a full-body electrostatic powder coating, which provides a superior finish.
- This coating offers exceptional adhesion and mechanical strength, ensuring excellent corrosion resistance.

Power Head

- The drive unit features a dual-groove mechanism, enabling self-contained operation of the feed line circuit.
- Equipped with a spiral bevel gear reducer for higher drive efficiency and minimal maintenance. Its direct-drive design allows flexible placement at any point along the feeding loop.
- The drive motor includes an emergency stop function for rapid system shutdown in case of an incident.

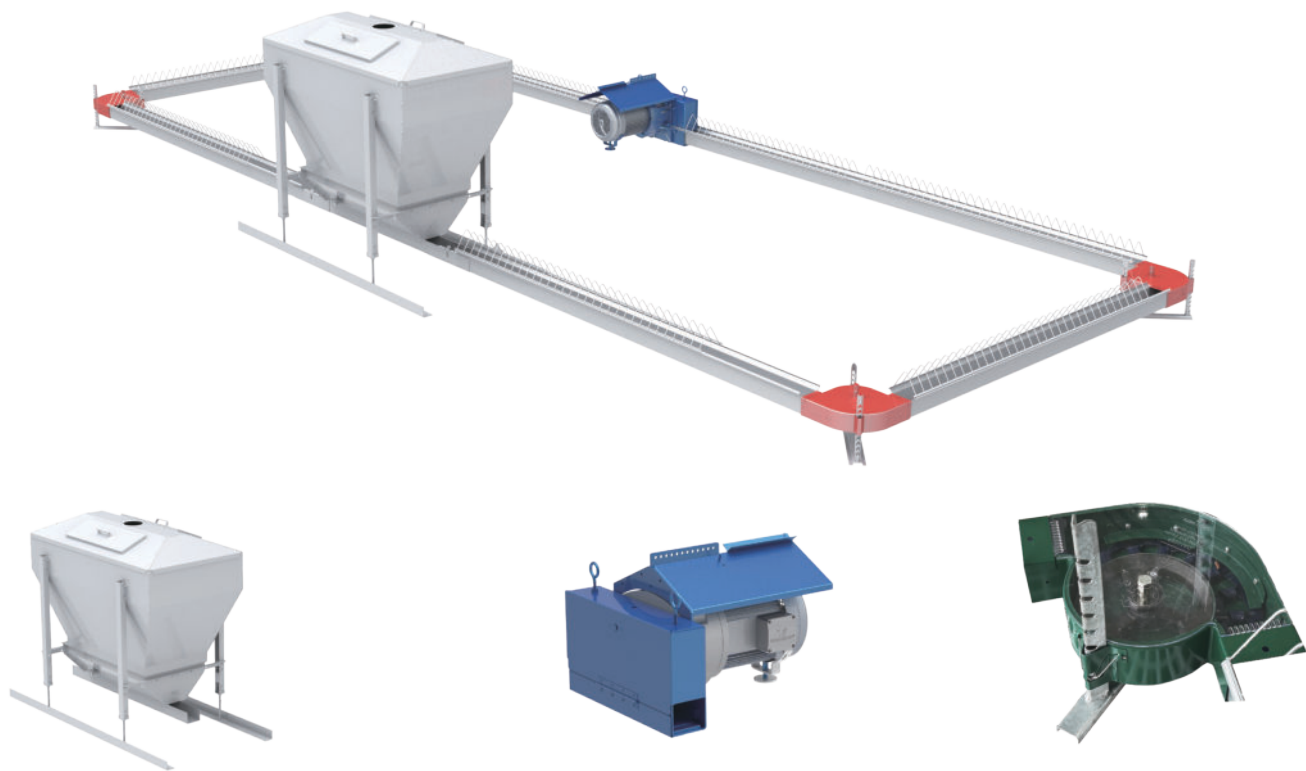


Feeding Trough

- The trough features a dual-channel, single-body design, divided by a central partition. This allows two independent chains to operate smoothly without interference.



Male Chain Feeding System



Hopper

- Constructed from high-quality galvanized steel sheet with a double-sided zinc coating thickness of 275 g/m².
- The feed regulator is designed with 7 distinct level settings to adjust the volume in the hopper.
- Features a return roller and a nylon wheel valve; the gear is made of hardened steel.



Restricted Feeding Grid

- Made from aluminum-zinc coated steel wire, offering high strength and superior corrosion resistance.
- Joined by high-frequency welding, a process that effectively minimizes defects while creating a high-strength, corrosion resistant seam.

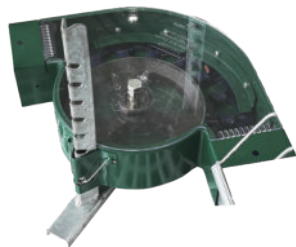


Power Head

- Utilizes a direct-drive system.
- The drive reducer employs a spiral bevel gearbox, which offers higher transmission efficiency and requires minimal maintenance.
- The compact direct drive unit can be installed at any point along the feeding loop. The drive motor is equipped with an emergency stop function for rapid system shutdown to enhance operational safety.

Corner Sheave

- The corner sheave is manufactured from special high-strength alloy steel, offering high hardness, excellent wear resistance, and a long service life.
- It is equipped with a high-strength, maintenance-free bearing, ensuring simple and reliable operation.
- The outer housing features an anti-static powder coating.
- The sheave wheel is machined from 45# cast steel, providing superior wear resistance.



Feeding Trough

- Roll-formed from 275g zinc-coated steel sheet as a single piece, ensuring structural integrity and excellent corrosion resistance.
- The rolled-edge design effectively prevents injury to birds during feeding.



NESTING SYSTEM

Automated Nesting System

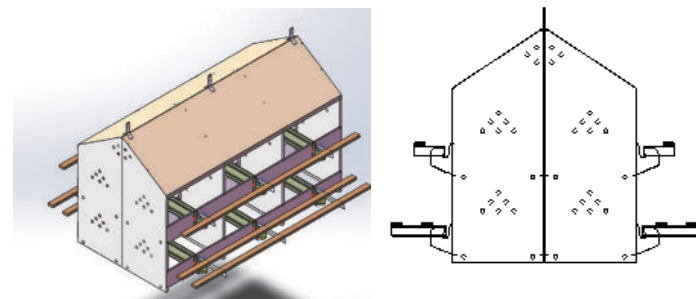
The automatic egg production box is a modern equipment for automatically collecting eggs. Its main function is to deliver eggs from the henhouse to the operation room, greatly improving labor efficiency, solving the problem othe current labor force being expensive and low, reducing costs, and maintaining egg quality. Through years of production practice and response from farmers, the company has developed two egg-laying boxes: pre-egg automatic egg-laying box and traditional double-layer artificial egg-laying tank. It is suitable for flat-bred egg-breeding, meat-breeding and egg-laying hens, greatly providing a comfortable egg-laying space for the chickens to meet the needs of different customers.



Advantages

- Compared to large communal nests from other manufacturers, our system provides hens with individual laying spaces. This design prevents disturbance among the flock, creating a tranquil and private egg-laying environment.
- It employs a 10 cm wide, perforated fiber-composite egg belt. This design not only reduces egg breakage but also allows for manure to fall through. An additional shock-absorbing strip is fitted to the outer edge of the belt to further minimize the occurrence of micro-cracks in the eggs.
- The nest boxes are designed to be hoistable. This feature allows for easy raising during poultry house cleaning and throughout the brooding and rearing phases, eliminating the need for disassembly. It significantly reduces the labor intensity associated with installing and removing nests in breeder houses.
- Artificial turf mat – retains its shape through prolonged use.
- Our plastic turf mat base provides superior strength, capable of supporting the weight of birds and preventing debris accumulation. Its contoured design efficiently guides eggs onto the conveyor belt.
- For the front-ejection automated nesting system, a perch with dual riveted support brackets is provided to eliminate swaying.

MANUAL NEST BOX



Key Features

- Constructed from 275 g/m² zinc-coated steel sheets. Each unit weighs approximately 40kg.
- Fabricated using 0.5 mm or 0.6 mm hot-dip galvanized steel for superior corrosion resistance.
- The base tray can be made from modified PP plastic.

Manual Nest Box

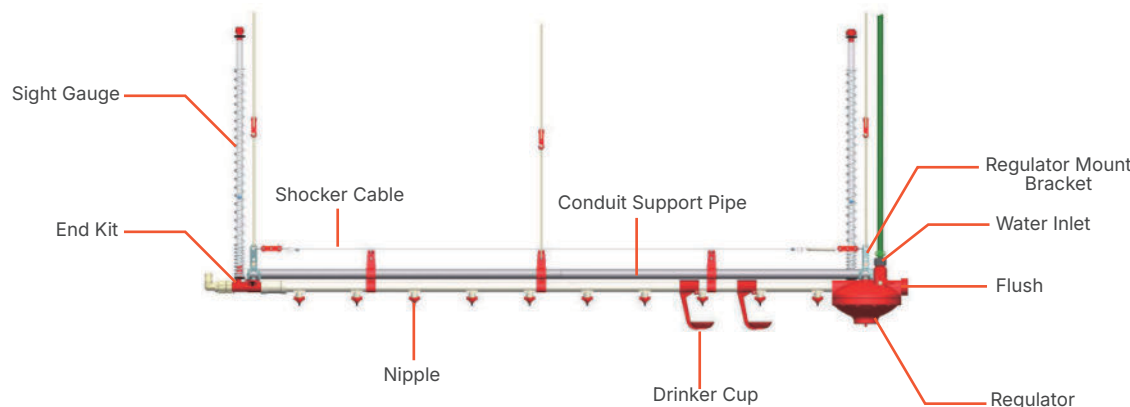
Overall Dimensions	Dimensions (with pedal deployed): 1505 (L) × 1262 (W) × 1050 (H) mm
Pocket Dimensions	Width 250 × Depth 380 mm
Number of Pockets	24 Pockets Per Set

- The wooden perches are smooth, straight, rot-resistant, and splinter-free.
- The double-layer design features nesting bays that are 40 mm wider and taller than the original standard.
- Provides a comfortable laying environment that is warm in winter and cool in summer, with natural air circulation. Adapts to various installation layouts within the poultry house.
- Easy to disinfect, helping to prevent the spread of disease.
- The improved design eliminates gaps on both sides, significantly reducing the risk of the floor plate falling through.
- All critical fastening points use lock nuts for easy assembly and disassembly.

WATERING SYSTEMS

Watering Line Components

This system incorporates an innovative ball valve mounted on a toggle pin, enabling a full 360° side-to-side activation within the nipple. This design enhances drinking accessibility up to 4 times easier for birds to drink. Precision metering ensures consistent water flow, while the snap-on drip cup minimizes spillage and keeps litter dry.



Feather Soft Combi Nipple



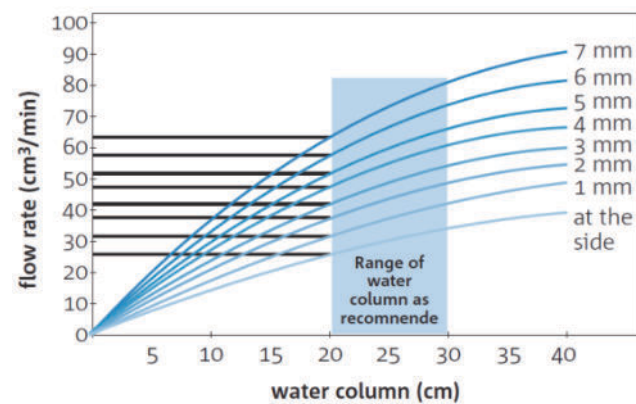
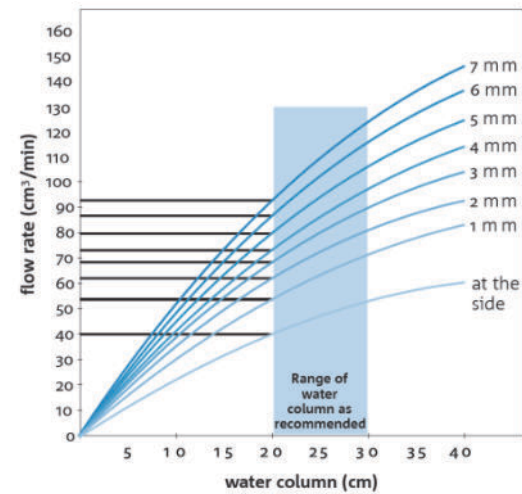
High Flow

- Used with drinker cup
- 360 degree action

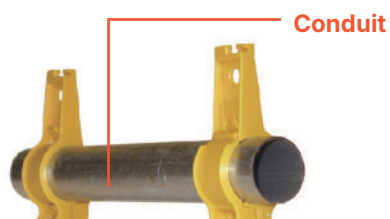
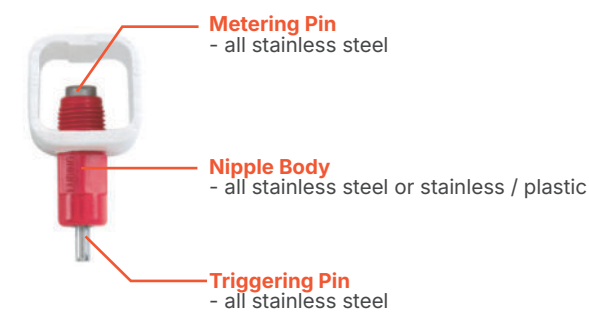


Standard Flow

- Does not require cup
- 360 degree action (cups recommended)



Nipples consist of the following parts:



Simplistic Design

The unique three-part patented design reduces the risks of problem risk. New Zesting Technology drinkers are manufactured with state-of-the-art, high precision technology and DO NOT REQUIRE steel balls, O-Rings or seals.

Square Pipe Advantage

The square water pipe always maintains the nipples in a vertical position. Systems with round water pipes tend to rotate leaving the nipples twisted and affecting water flow. New Zesting Technology water pipe is white with thick walls resulting in a strong design while at the same time helping maintain a cooler water temperature in the system.

Pre-Assembled Sections

New Zesting watering sections shipour factory pre-assembled making installations quick an free of problems from poorly assembled components.

External Couplers

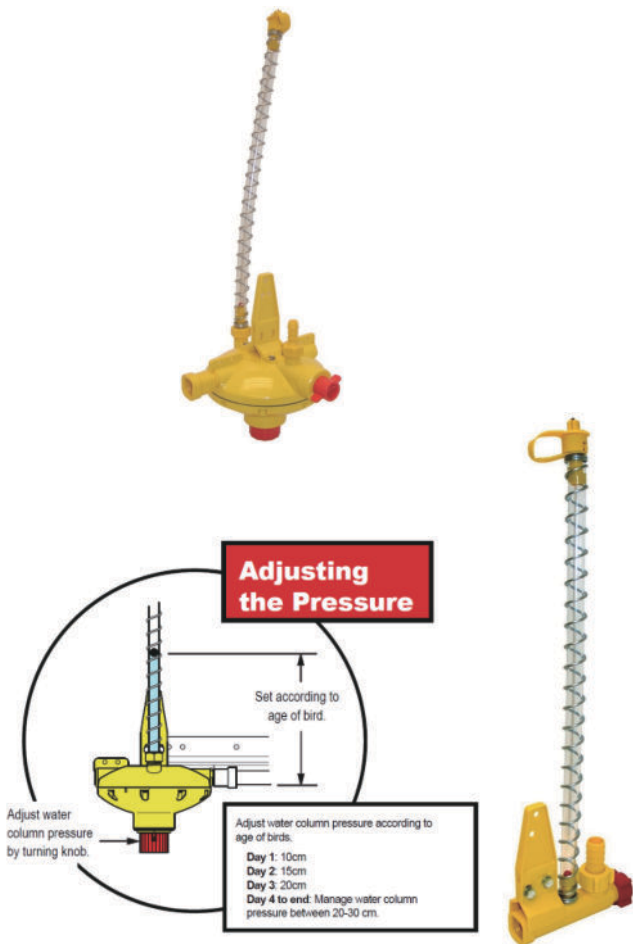
New Zesting sections are connected with external PVC expansion connectors and stainless-steel crimp rings. Other systems incorporate an internal connector that reduces water volume inside the pipe.

Drinker cups

One-arm and two-arm cups are available for use with all nipples.

Watering Replacement

New Zesting Technology watering sections can be adapted to any existing system. Plastic adaptors snap onto existing conduit or aluminum rails. The square pipe is adapted to the watering line utilizing existing components such as the suspension, regulators and end line assemblies.



Pressure Regulator

New Zesting watering sections can be adapted to any existing system. Plastic adaptors snap onto existing conduit or aluminum rails. The square pipe is adapted to the watering line utilizing existing components such as the suspension, regulators and end line assemblies.

Pressure Regulator

The New Zesting Technology pressure regulator has built-in flushing capabilities with the simple twist of a knob. Water pressure is easily adjusted with the regulator knob located underneath the unit. The clear flexible standpipe with float ball offers accurate and precise water pressure adjustment.

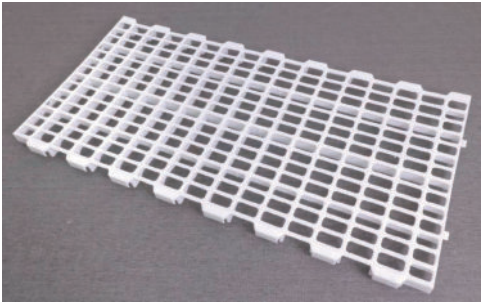
IMPORTANT:

Adjust water pressure according to litter conditions. Increase water pressure if litter is dry and decrease if litter is too wet. Litter should be slightly damp.

FLOORING SYSTEM

Plastic Slat

- Made from pure PP, it is odorless, chemically stable, corrosion-resistant, non-absorbent, and easy to clean and disinfect.
- The rounded-edge design allows for easier and more thorough flushing. The product is installed via support beams for simple assembly, and features adjustable support legs that ensure leveling while accommodating the required rearing height for different poultry types.
- The upper leg connectors offer up to 10 cm of height adjustment to compensate for uneven floors during installation. The slatted floor panels are designed to resist burrs, warping, and bending, while providing moderate flexibility. These features collectively enhance breeding management conditions for both breeder and commercial chickens.

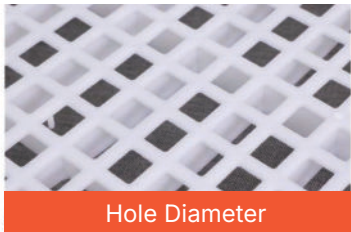


Specification

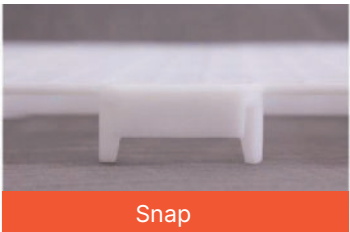
Size	1000 × 500 × 40mm
Weight	1700g / 1900g
Aperture	20 × 24mm / 25 × 50mm
Application	Broilers



Reserver Side With Rib



Hole Diameter



Snap

ENVIRONMENTAL CONTROL SYSTEMS

Seamless Climate Control | Rapid Response | Broad Adaptability

Environmental Control System for Livestock Farms, integrating ventilation, cooling, heating, misting, and lighting with advanced electrical automation, designed to deliver precise indoor climate control for poultry and livestock housing.

Leveraging multi-sensor input, the system dynamically adjusts localized environments by processing data against predefined and customizable parameters. Its automated control algorithms actuate equipment to modulate airflow, temperature, humidity, mist dispersion, and illumination-ensuring precision in electrical system management.

