

Automatic Pan Feeding System



An Automatic Poultry Pan Feeding System is a mechanized setup used in poultry farming to ensure that birds, such as chickens, have constant access to feed. This system is designed to optimize feed distribution, reduce wastage, and promote uniform growth among the poultry. Here's an overview of how it works:

~ Key Components:

1. **Feed Storage Bin:** This is where the feed is stored before being distributed. It usually has a large capacity and is connected to the feeding system.
2. **Conveyor System:** A motor-driven conveyor (typically a chain or auger system) transports the feed from the storage bin to the feeding pans.
3. **Feeding Pans:** These are strategically placed along the poultry house and are designed to automatically refill as birds consume the feed. The pans are often adjustable in height to cater to birds of different sizes.
4. **Sensors and Control System:** Sensors monitor the feed levels in the pans and activate the conveyor when levels drop below a certain threshold. The control system can be set to distribute feed at specific intervals or based on the needs of the birds.
5. **Grill or Anti-Waste Grid:** This is placed over the pans to prevent birds from wasting feed by scattering it.

~ How It Works:

- **Automatic Distribution:** The system automatically delivers the right amount of feed to each pan, ensuring that all birds have access to feed throughout the day.
- **Controlled Feeding:** Depending on the design, the system can be set to distribute feed continuously or at timed intervals.
- **Reduced Labor:** Since the system is automated, it reduces the need for manual feeding, which can be labor-intensive and inconsistent.

~ Benefits:

- **Uniform Growth:** Ensures all birds have equal access to feed, promoting uniform growth.
- **Efficiency:** Reduces feed wastage and improves feed conversion ratios.
- **Labor Saving:** Reduces the time and effort required for manual feeding.

~ Applications:

Automatic poultry pan feeding systems are commonly used in both small and large-scale poultry farming operations, including broiler and layer production, to enhance efficiency and productivity.

UNIPAN Specification:

Diameter of Pan	382mm	Number of Grills	16
Feed Capacity	2kg.	Pan Height	315mm

