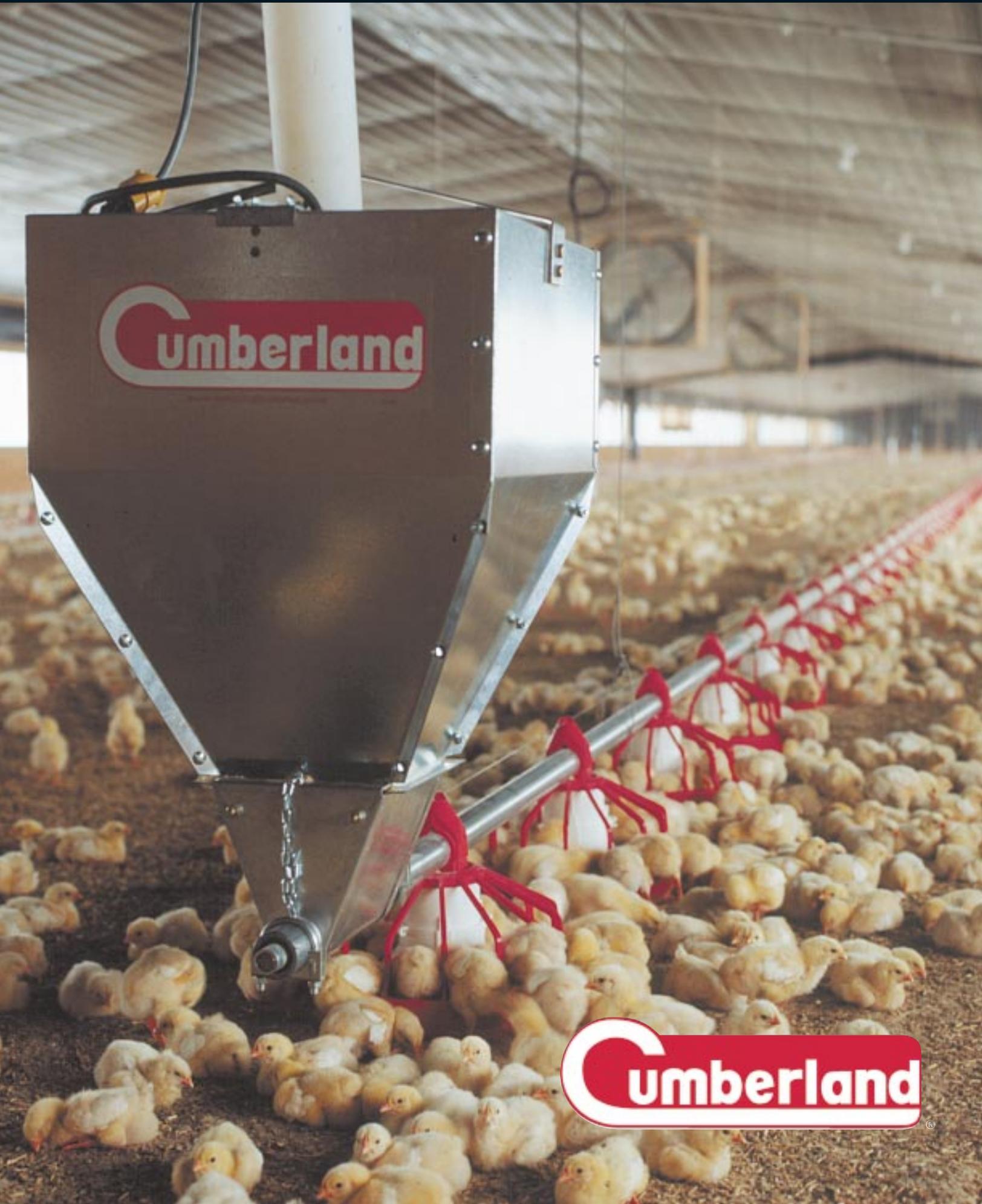


# Pan Feeding System



**Cumberland**

**Cumberland**

# Classic Hi-Lo & Hi-Lo VIII Pan Feeding

## Two-Stage Pan Performance

Two-Stage pan performance inside one complete feeder is the idea behind Cumberland's revolutionary Hi-Lo\* Pan Feeding System. The Hi-Lo pan feeder represents a unique concept in the poultry industry, using one feeder to take birds from day old through adult.

The first 7-10 days of a broiler's life are critical. The HI-LO pan feeder starts on the house floor, presenting a lip height of 2.1" (5.33 cm), the average height of traditional "chick lids". As the birds grow and the feed line is raised, the HI-LO expands into a 3.5" (8.89 cm) deep pan. The higher wall and feed saver lip prevent waste from raking and billout.

\* US Patent No. 5,311,839



HI-Lo Classic

HI-Lo VIII

## HI-Lo VIII

The Hi-Lo VIII has simply become the industry preferred feeder. Including all the same great features that made the Hi-Lo Classic an industry leader, Hi-Lo VIII offers the added benefit of wider spoke spacing eliminating any possible trapping when growing larger birds.



## 360° Action



The drop tube and grill combination allow play in 360°, reducing bruising and injury to the birds.

## Tubing and Auger



The rib on Cumberland's lock formed tubing gives added strength to the tube, as well as providing a solid way to hold the pans in place. The auger is manufactured from pre-flattened wire to reduce material stress and provide for a more consistent, high quality product.

## Flood Feeding

Improve feed presentation to young chicks with Cumberland's new flooding mechanism\* for the Hi-Lo feeders. As the system is lowered to the floor, adjustment fins elevate the feed level to increase the depth of feed 360° around the pan.

\* Patent Pending



## Feed Depth Control



Feed depth control measures directly off the bottom of the pan assuring all birds a consistent, even supply of fresh feed.

## Telescoping Drop Tube



The telescoping drop tube automatically compensates for uneven floor conditions. The drop tube is available in either the standard one piece or optional two piece design.

HI-Lo Classic with Flood Feeding

HI-Lo VIII with Flood Feeding



# Breeder/Pullet Pan Feeding

## Improve Uniformity and Feeding Efficiency...

*...while reducing stressful in-house migration and mortality. By running on a continuous cycle with a constantly "charged" line, the Cumberland Cycle Plus Pan Feeder system eliminates "skips" in feed delivery, distributes feed evenly and simultaneously to all pans on the line, assures equal access to feed for all birds and generates less feed separation than the typical programmed feeding system.*



### Hi-Lo Breeder Feeder

For breeder pan applications, Cumberland's Hi-Lo Breeder Feeder uses an adjustable grill to insure that roosters are restricted vertically and horizontally from accessing the hens' feed. The breeder feeder comes with a sturdy, all plastic anti-rotation clip and a two-piece drop tube for ease of installation or replacement.



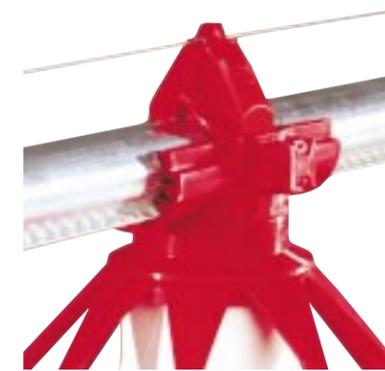
### Hi-Lo Pullet Feeder

Feeding programs for pullets require pans to hold low volumes of feed. Cumberland accomplishes this through a specially molded waffle pan and restrictor tubes limiting the amount of feed within the feeder drop tube. This helps assure uniform feed distribution throughout the feed line.



## Male Feeders

*Cumberland's Male Feeders allow you to feed male and female breeders separately. Providing separate rations for roosters is extremely important. This helps to maintain proper body weight increasing fertility and hatchability.*



### Slide Shutoff

An optional, all plastic, slide shutoff is available. Easy to install, the slide shutoff allows any combination of feeders to be shut-off from feed.



### Anti-Rotation Clip

A sturdy, all plastic anti-rotation clip is easy to assemble and, used in conjunction with Cumberland's ribbed tubing, keeps the pan stationary on the line for proper operation and reduced feed spillage.

### Unloader & Agitator Arm

Unique engineering in our patented unloader allows for continuous operation while eliminating "over packing" in the delivery tube. A simple design feature (no moving parts, nothing to breakdown or replace) maintains a constant, safe level of feed while an agitator arm assures loose, unpacked feed enters the system and eliminates "rat holing" and "bridging" of feed in the hopper.

### Nylon Elbows

Injection molded 90° nylon elbows significantly reduce noise levels and provide superior wear resistance.



### Direct Drive Power Units

One third horsepower, direct drive, high efficiency power units provide smooth transfer of feed throughout the system, propelling the coreless auger at 100 feet per minute, while gently rotating to constantly remix the ration.

### Efficient Pan Design

This 8-spoke male feeder pan features a sturdy and durable plastic construction, shallow design for easy access, and a feed saver lip to reduce raking.

# Complete Turkey Systems

## Our Newest Turkey Poult Feeder



*Cumberland's New Plastic Turkey Poult Feeder incorporates many features to enhance performance and save you money. This new design helps prohibit bird entrance into the feeder thus reducing shavings within the feed. Additional features include easy feed level adjustment, winchable feed level, and simple feeder pan removal for easy cleaning.*



### Multi-Setting Winch

Feeder restrictor rings throughout the line are easily raised and lowered to a desired level using an innovative, multiple setting, locking tab winch.

## Turkey Feeder Features...

- Two piece drop tube for ease of installation or replacement.
- Numerous feed level settings.
- Feed saver lip.
- Available for 1-3/4"(44 mm) tube.
- An inner ring helps prohibit bird entrance into the feeder and in turn reduces shavings within the feed.
- Durable construction design for longevity.
- Winchable feed level.
- Simple removal of the pan from the feeder for easy cleaning.



## Adult Turkey Feeders



## Adult Turkey Tubing

Exclusive to the adult turkey feeding industry, Cumberland offers a heavy duty, 2" ribbed tube design. This tube provides added strength compared to the traditional seamless tubing.



## Control Pan & Drive Unit



Cumberland's high efficiency control pan and drive unit is specially designed for simplicity and reliability, with many years of proven field performance. The 1/2 to 3/4 horsepower electric motor provides smooth transfer of feed throughout the length of the system, while the durable control pan assures consistent feed regulation.



Cumberland's Adult Turkey Feeders represent the most widely accepted turkey feeders in the industry today. This classic design features fully galvanized steel or plastic pans and fully galvanized steel shields. Standard are the feed-saving, deep "V" bottom pans and steep, inward swept lips which reduce billout and return feed to the eating area. The Adult Turkey Feeders also feature a durable, free swinging, steel square drop tube.

For the all-important transition period between brooding and finishing, Cumberland provides an intermediate pan which is interchangeable to provide more versatility to the Cumberland Turkey Feeding Systems.



# Pan Feeding Accessories

## Poultry Boots

Heavy fabricated, galvanized, single and double outlet boots are available for end or center house feeding applications.



## Broiler Control Panel

Cumberland's broiler control center are used to time multiple feedings for precise control of feed consumption.



## Control Pans

Cumberland offers a variety of control pans for your feeder line. Choose from a micro switch, proximity switch, or Cumberland's exclusive spinner motor control pan. All control pan models are durably constructed and assure consistent feed regulation.

## Feed Line Hoppers

Light, durable, fully galvanized feed line hoppers are available in the standard 120 pound (54 kg) capacity or larger 200 and 300 pound (91 and 135 kg) capacities.

## Hopper Feed Level Switches

Traditional micro switches (shown far right) or proximity hopper level controls are available to regulate feed delivery.



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