

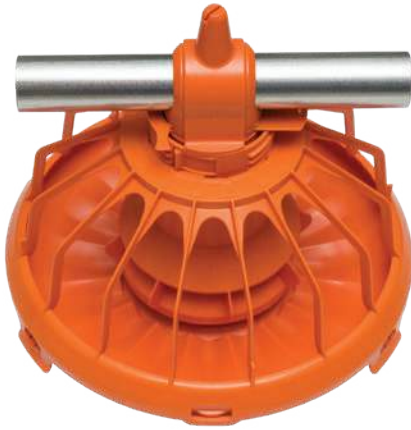


Big Dutchman
Innovation Breeds Success

BROILER BREEDER MANAGEMENT



PAN FEEDING



FLUXX Pullet Feeder

Big Dutchman's FLUXX 360 RPM pan is ideal for raising pullets. An integrated feed restrictor provides a consistent and reliable amount of feed, ensuring a uniform flock.

The 14" pan allows for more feeding space, and is available in an 8 and 16 strut grill design. Individual slide shut off for improved feed distribution.



FLUXX Female Feeder

Special female-only grill allows for adjustment of both feeding window width and height. With eleven different window widths and four window heights, the pan is suitable for all breeds.

- 16 feeding windows per pan
- Integrated slide shutoff
- Openings on the top of the pan allow light inside



MalePan Rooster Feeder

Separately feeding roosters with the MalePan is ideal for presenting a uniform and consistent amount of feed, resulting in roosters with high fertility.

- Adjustable feed levels
- Slide shutoff
- Optional corundum coated dish for natural beak smoothing



FEED DELIVERY



Every element of Big Dutchman's feeding system is designed for optimal performance and durability.

FEEDER AND HOPPER UNIT:

- Galvanized steel and heavy-duty plastic available
- Permanently lubricated, sealed bearings give the unit an exceptionally long life
- Removable 165lb plastic hopper extension allows the unit to be winched up until the feeder reaches the desired height for easy clean-out
- Lower limit hopper switches ensure feed availability at startup

AUGER AND TUBE:

- Constructed of heavy-gauge, steel with smooth flighting for long tube life and high energy efficiency
- Heavy-gauge construction of the tube prevents twisting, wear, and feed entrapment
- Feed drop-out holes handle most types of feed with no separation of ingredients



DRIVE UNITS:

- The POWERDRIVE motor features enhanced reliability with a **2 year warranty**
- High speed gear boxes (657 RPM) ensure rapid feed delivery
- Micro-switch control pan for consistent run times

STABILIZER HANGER:

- Stabilizer hanger prevents feed lines from rotating



PROXIMITY SWITCHES:

Proximity sensors for the detection of the feed level in hoppers, feed pans, bins, or for the control of poultry feed lines. Our sensors are customizable to adjust the desired time delay and sensitivity settings.



THE CHAMPION CHAIN FEEDING SYSTEM

The CHAMPION chain is the original design that set the standards for maximized feed conversions, reliability, and durability. In fact, enough champion chain has been sold to wrap around the planet nearly four times!

Our sales team have said; "We would have sold a lot more chain if not for its long life! The truth is, 30 years is not uncommon and our customers appreciate this level of durability. We see no reason to change the chain's material, or design."

- Fast, uniform feed distribution yielding uniform nutrition and bird size, with less stress and migration
- Provides approximately 43% more feeding space than drag auger feeders, and allows birds to eat from both sides of the trough
- Reduces competition for feed with a large-capacity trough
- Reduces feed waste with an internal remix wheel
- Regulates the amount of feed coming from the hopper, keeping a consistent supply of feed on the chain
- Available for pullets and breeder hens



CHAIN DESIGN:

- High conveying capacity of up to 1.5 tons per hour reduces the number of feedings
- Any type of feed can be used (mash, pellets and crumbles)
- The feed is distributed uniformly and reliably (all birds receive the same amount of quality feed with minimum feed loss)

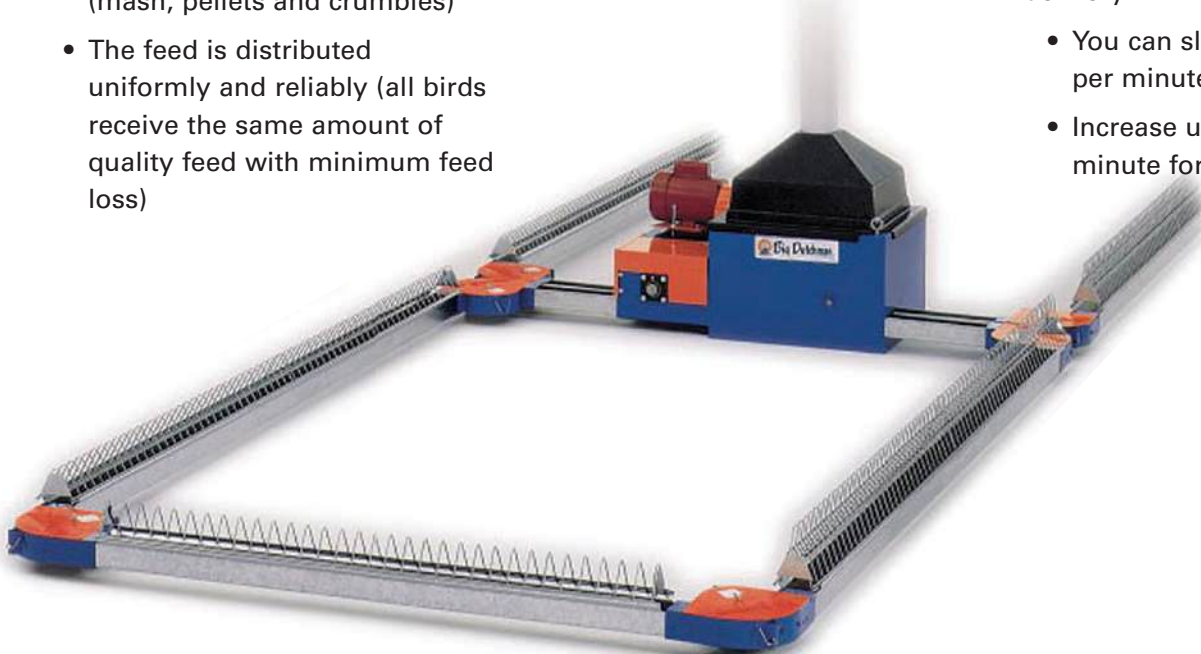
CORNERS:

Our 90 degree corners are proven to be long lasting, while the hold down rail and fluted wheel provide a smooth chain transition, and maximum feed movement.

VARIABLE SPEED CONTROL (OPTIONAL):

The system has a variable speed control which provides managers the ability to adjust speeds for feed delivery

- You can slow down to 8 feet per minute for young birds
- Increase up to 120 feet per minute for a mature flock



INDEPENDENT DRIVE UNIT

The Champion system is available with independent-drive units, which are separated from the hoppers, helping to increase the life of system components.

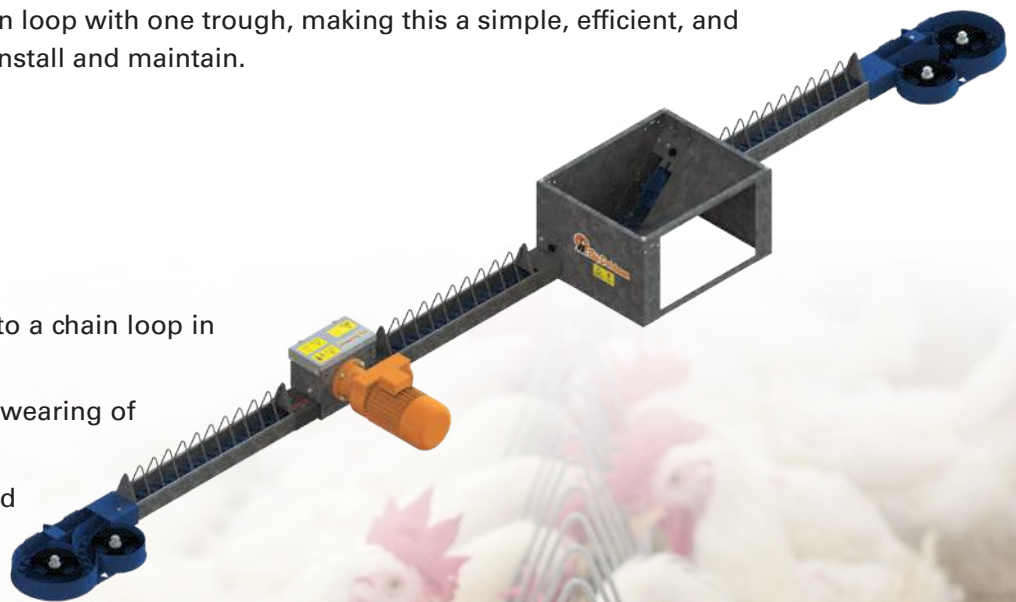


MALECHAIN ROOSTER CHAIN FEEDING SYSTEM

The patent pending MaleChain rooster feeding system allows you to feed your roosters separately from the hens with the same proven chain design used for feeding female breeder hens. Feeding roosters separately from the hens is important for high fertility rates, and good chick quality. By feeding males separately, you can use a special mix of feed specifically for roosters.

MaleChain consists of an entire chain loop with one trough, making this a simple, efficient, and durable package that's also easy to install and maintain.

- Natural beak smoothing
- 120 FPM
- Easy to clean
- Maximum length 500'
- Space-saving installation thanks to a chain loop in one single trough
- The feed chain promotes natural wearing of the males' beak
 - Ideal for males with untrimmed beaks
- Males stand next to each other during feeding
 - Easier inspection and selection
- Very rapid distribution of feed because the chain transports feed coming from the hopper in two directions
 - Less stress for the birds thanks to the rapid distribution of the feed
- Ideal cleaning conditions due to the open trough
 - No hidden corners, full accessibility
- The chain feeding system has been used for hen feeding for years and has proven itself
- Height-adjustable feeding system



DRINKING SYSTEM



To achieve optimum performance from your birds, it is extremely important to provide fresh and clean drinking water. A reliable water supply free from contamination and within easy reach of the birds must be available. Big Dutchman satisfies all these requirements through a wide range of drinking systems for broilers, turkeys, breeders, as well as for pullets and layers.

- Nipple drinkers with and without drip cup
- Round drinkers for open water
- Anti-roost without electricity
- Double wire hanger
- Flipper

The choice of the right drinking system depends on the type of birds and your individual requirements.

In modern poultry production, nipple drinker systems have proven to be reliable and hygienic for supplying drinking water. They can be composed of the following parts:

- Pressure control unit with rinsing system - end or central supply, depending on the drinker length
- Slope regulator - evens out 4 – 6 inch incline
- End kit or end kit with automatic flush kit (optional) each with water level indicator
- Standard pipe with valve. Under normal operation the valve is open to allow the air to escape
- Aluminum extrusion or conduit with anti-roost wire
- Nipple tube with all stainless nipples and combi-nipples
- Suspension system





WATER FILTERING/MEDICATING SYSTEM:

A clean water supply is essential to achieve optimal performance and long service life from any nipple drinking system. The Water Filtering/ Medicating System ensures that the quality of the water being delivered is beneficial and makes it easy to administer medications by way of the medicator.

AUTOMATIC FLUSHING SYSTEM:

With the automatic flushing system you can rest assured that your drinking system will always be rinsed and replaced with fresh water whether you think about it or not.

The AutoFlush Controller opens and closes a solenoid valve allowing the system to automatically flush itself. The solenoid valve kit comes completely pre-assembled to the regulator making installations quick and easy. The Automatic Flushing System can also be adapted to existing installations.



OPTIONAL MINIDRINKER:



Optional MiniDrinkers are available as supplemental watering if required by integrator's production specifications.



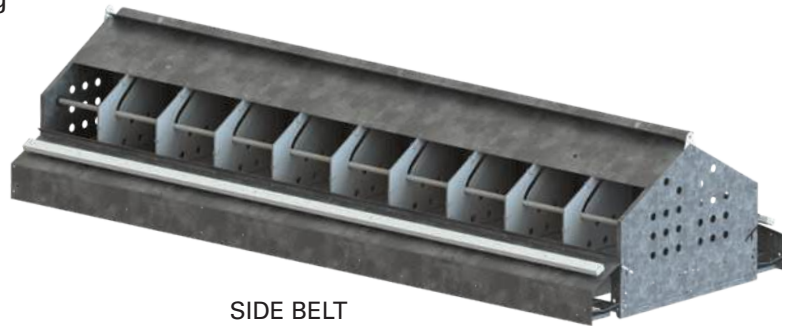
NXB NEST SYSTEM

Nest and plastic egg belt safely handles eggs from nest to collection. Offered in single center belt, or double side belt configurations

- Single hole laying nest with 16, 18, and 20 nest holes per section side with a section length of 8' (2,438 mm)
- Plastic or Woven belts are available
- Black plastic partitions
- Full nest width egg shields (standard on side belt nest and optional on center belt nest)
- Complete coverage of the egg belt keeps eggs hidden
- Nest floor and the substructure below the egg belt consists of corrosion-proof zinc aluminum coated wire grate
- Nest bottom is covered with a perforated nest insert which is easy to install, or taken out for easy cleaning
- Removable sheet metal covers allow the producer easy access to the egg belt for inspection
- Centrally activated closure rods can be lowered at night to prevent hens from roosting in the nest and aid in keeping the nests clean
- Central suspension system can be winched for servicing between batches
- Easy assembly and installation in 8' sections

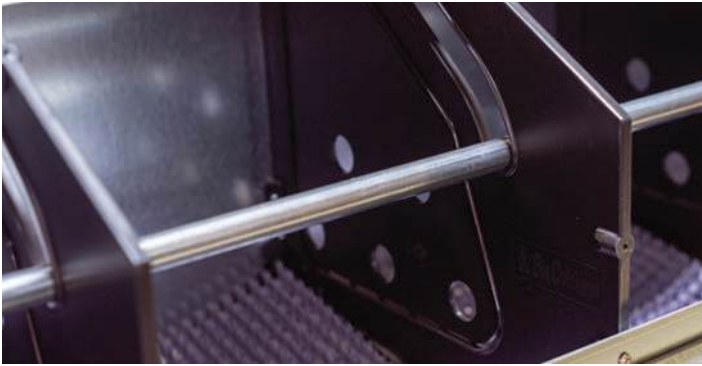


CENTER BELT



SIDE BELT





Nest closures allow birds to easily exit the nest, while preventing them from entering the nest when closed.



Perforated black plastic egg belt keeps eggs clean and safe. The plastic belt is easy to clean and sanitize.

EGGTRAX EGG TRANSFER UNIT

EggTrax ensures a safe and smooth transfer of the eggs when using cross conveyors and automatic conveyors. The reinforced drive unit operates at a speed of 8.5ft/min and is available for egg belt widths of 10, 14, 16, and 20 inches.

ADJUSTABLE TRANSFER WIRES (optional):



- Gentle egg transfer
- Tension of wires is adjustable
- Dirt and feathers falls through wires

PRESSURE FINGERS:



- Gentle egg transfer
- Tension of pressure fingers is adjustable



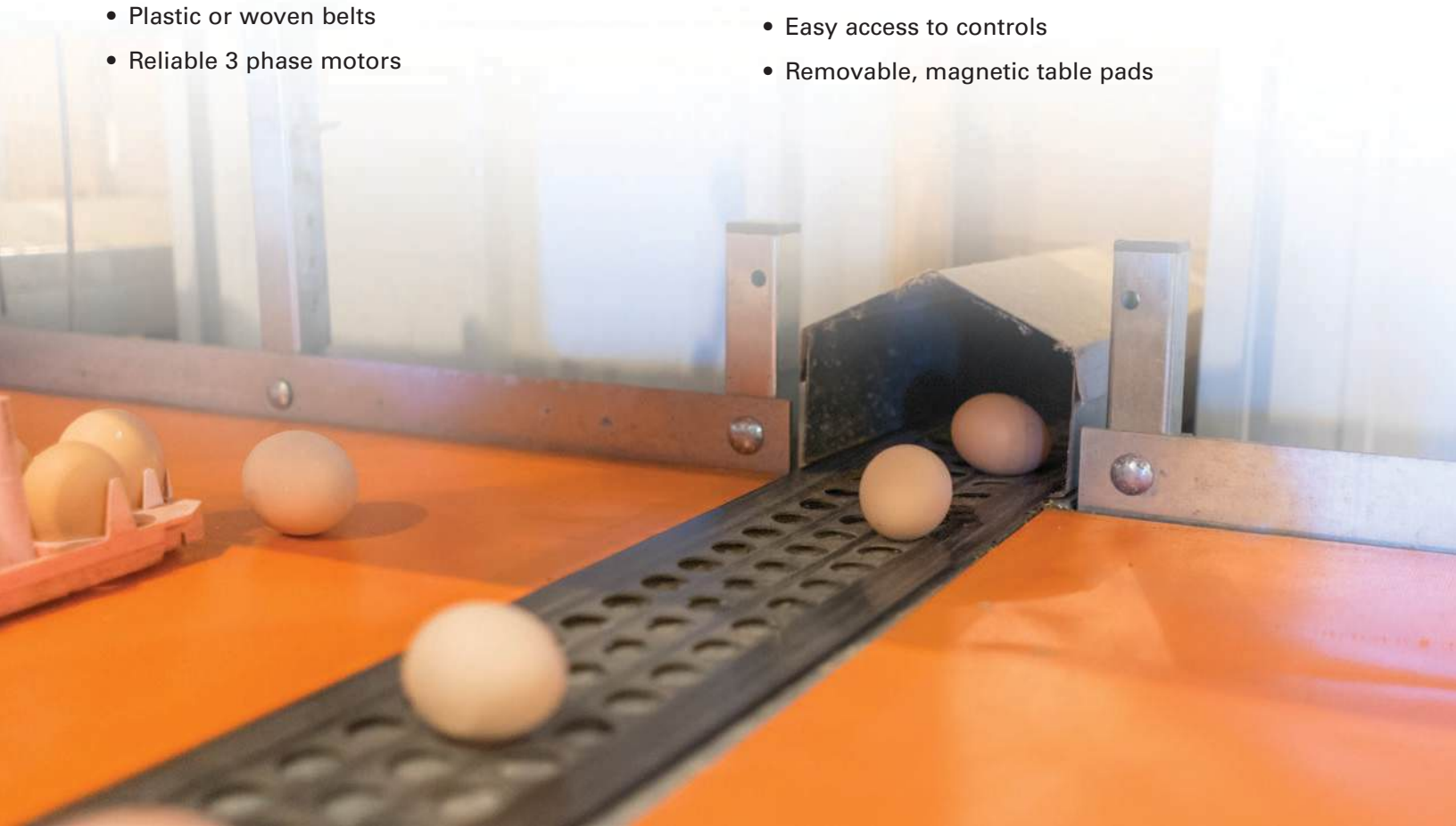
EGGSORT COLLECTION TABLES

EggSort egg collection tables are efficient to work with, reliable, and are easy to clean and sanitize. They feature a variable speed front mounted control, adjustable shelf, heavy duty construction, plastic or woven belts, removable magnetic pads, and a reliable 3-phase motor.



- Durable, galvanized, heavy duty construction
- Large, adjustable egg shelf
- Variable speed front mounted control with reverse and emergency stop
- Plastic or woven belts
- Reliable 3 phase motors

- Adjustable feet
- Pre-wired
- Egg belt cleaning brush
- 21 foot per minute belt speed
- Easy access to controls
- Removable, magnetic table pads

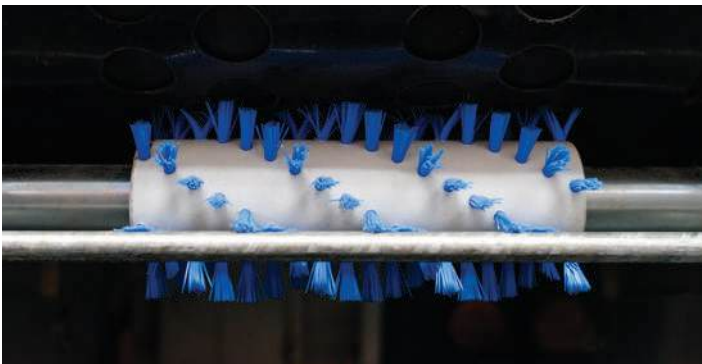




Plastic or woven belts
Large belt opening
21 foot per minute belt speed



Durable, galvanized, heavy duty construction



Automated egg belt cleaning brush for cleaner eggs



Variable speed front mounted control
with reverse and emergency stop



Magnetic table pads allow for easy
cleaning and disinfection



Large adjustable egg shelf



RELAX GROUP COLONY NEST

Colony nest for broiler breeders.



- Divided roof design for easy nest and egg belt inspection
- Nest locking mechanism
- High nest acceptance
- Rapid and easy monitoring of the nest and egg belt
- Optimum hygiene and cleaning
- Plastic egg belt is easy to clean, and remains clean longer than woven belts
- Gentle egg roll-off from nest to the egg belt
- Perforated egg belt holds the eggs in place to reduce egg-to-egg contact



Easy nest and bird inspection



Easy egg belt inspection



Extra wide plastic perforated egg belt keeps eggs clean and safe

RETREAT GROUP COLONY NEST

Winchable colony nest for broiler breeders.



- Winchable design
- Group colony style
- Slat-less or slatted design
- Adjustable legs and ramp
- Led lighting under the nest
- Extra wide perforated plastic belt
- Rod closure system
- Adjustable leg 16 – 22 inches
- Adjustable ramp 0 – 30 degree decline
- Step in height 1.3 Inches
- Heavy duty galvanized steel legs
- Easy removal and installation of nest pads
- Plastic hinged cover allows for easy access to nest and egg belt
- Light vents under nest allows more light under nest to reduce mislaid eggs



Nest closed



Ramp set at zero degrees



Ramp at slight angle



Ramp set at 30°



Nest can be placed on legs or slats



Gentle egg roll-off and extra wide plastic perforated egg belt keeps eggs clean and safe



The all plastic and metal design is easy to clean and disinfect

FEED BINS

Reliable Big Dutchman components make the system complete, with bins and accessories for hygienic feed storage

The new series of feed hopper bins are now available in 3 standard sizes of 6, 9 and 12 feet in diameter. Each of the 3 sizes is available in 1 - 4 rings. The 12' bin is also available with 5 or 6 rings.

The bins are designed to store flowable, noncorrosive material with 50 pound/cubic foot (800.9kg/m³) bulk density.

FLEX-VEY® AUGER FILL SYSTEMS:

- Carry feed from feed bins to the house, moving up to 17,000 lbs. of feed per hour
- Single or tandem bin installations and single or double systems
- Customized to meet your needs
- High quality and extremely flexible spring steel
- Feed can be transported into the house around bends of up to 90° safely, quickly and without feed separation
- Universal application for each type of house
- High conveying capacities
- Fast and easy assembly
- Can be V-belt motor driven or by a gear motor



CONVENIENT AND SECURE ACCESS:

Big Dutchman feed bins feature the exclusive, patented Auto-Lok ground control access system for opening, closing and latching the fill cap safely and easily from the ground. Our cap system comes completely factory assembled, saving significant time and trouble in installation.



The cap swings open a full 180° to lie flat and parallel to the ground, completely eliminating the annoying and all-too-frequent interference with, or damage to, the cap from the fill auger. To meet consumer demand, the fill cap is also available as a replacement for destroyed or damaged caps for most bins from other manufacturers.

FEED WEIGH SCALES:

- Dependable, accurate scales for outside use
- Available in capacities of 5,000 lb. and 10,000 lb.
- Scale, feeder, and extension combination offers an alternative feeding system used inside the building



DRIP LIP:

Big Dutchman's drip lip water deflection system is a one-of-a-kind, roll-formed bottom sheet edge. It forces water away from the hopper and lower boot area, giving complete weather protection without a loss in capacity.



BIN ROOF:



40° roofs provide additional strength and capacity

Big Dutchman offers your choice of a 30° or 40° bin roof to adapt to any application. Roof panels are precision manufactured using die-form tooling to provide consistent quality.

Both 30° and 40° roofs feature reinforcing ribs at each roof seam for added strength and rigidity.



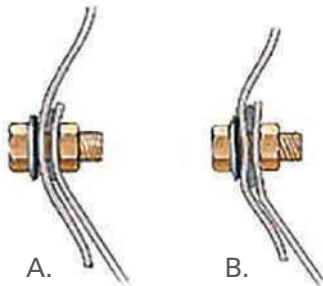
Reinforcing Rib

HOPPER BOTTOMS:



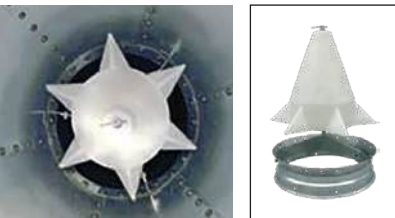
Bin hoppers are available in three slopes: 45° for dry, free flowing grains and 60° or 67° for harder flowing feed.

By fitting snugly into the offset outward throat of the hopper, the heavy gauge galvanized steel collar provides a perfectly smooth internal transition for optimal product flow, as well as a sure-fit adapter for all 16" (406mm) unloading accessories. Hoppers are available at no additional cost with an optional 22" (559mm) opening, which adapts to our rotary unloader or the larger, heavy duty 22" (559mm) metal boot.



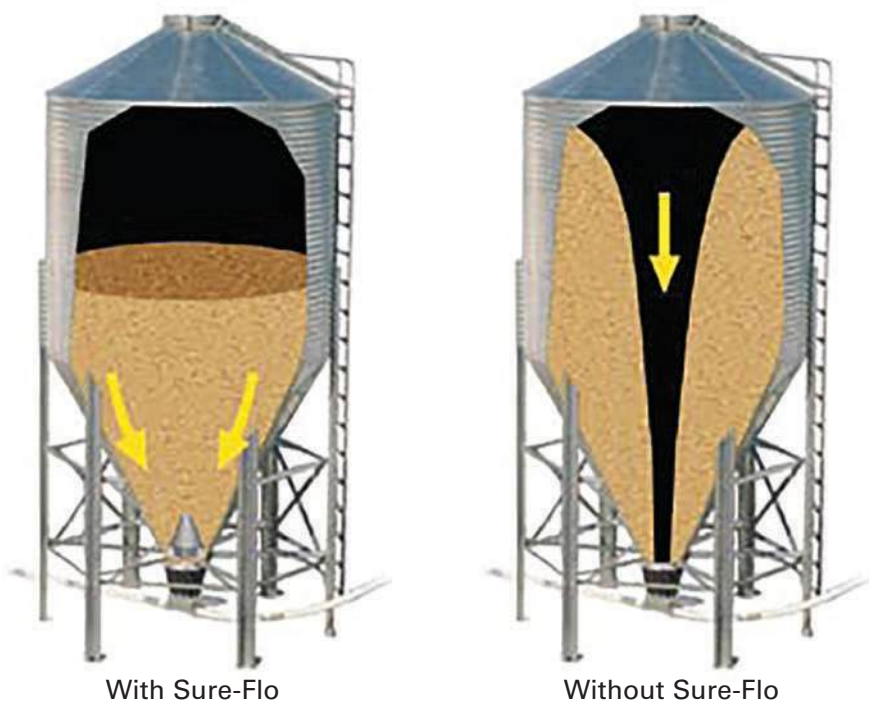
The eave is exclusive to our hoppers. The eave is the upper edge where the hopper is joined to the sidewall and is specially die-formed to conform to the shape of the sidewall corrugation (See figure A at left). Most other manufacturers depend on crimping and bolt pressure to force the connection (See figure B at left). This produces corrosion-prone distortion and dimpling of the sidewall. Big Dutchman die-formed eave provides a much tighter seal and smoother flow of material.

SURE-FLO:



Sure-Flo directs feed down the hopper of the bin rather than down the center, creating a first in, first out feed flow. The gentle movement of the heavy walled molded cone enhances flow as feed passes over it.

The Sure-Flo support bracket bolts to the hopper collar of new or existing feed bins and is quick and simple to install.



With Sure-Flo

Without Sure-Flo

TITAN CORROSION RESISTANT HIGH VOLUME TUNNEL FANS



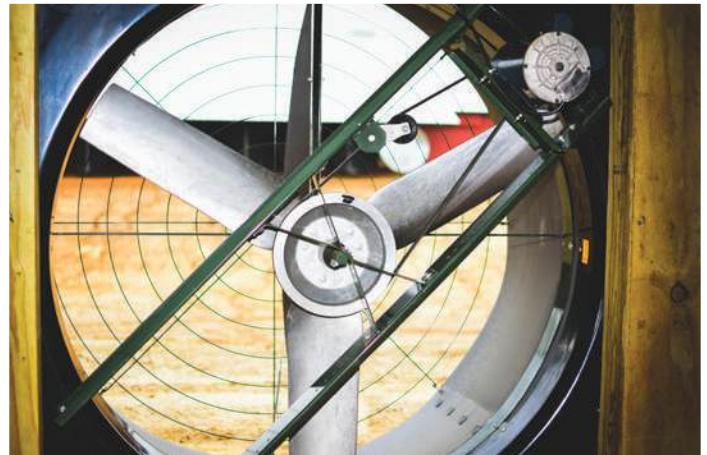
A flush mount fiberglass housing design allows for long lasting durability against the harshest environments, along with easy installation for new construction or for updating existing poultry houses.

All internal fan components are made from stainless steel, aluminum, or metal that has been through a high temperature painting process. These rugged components are added to a newly engineered blade assembly consisting of three cast aluminum blades that are secured to a cast aluminum hub.

The HDPE damper doors and poly cone allow for less airflow restriction than other fans on the market, while at the same time giving you complete protection against the elements of "mother nature". The innovative drive assembly applies power through the belt directly to the propeller.

The blade load is concentrated over the bearings for more economical operation and longer bearing life.

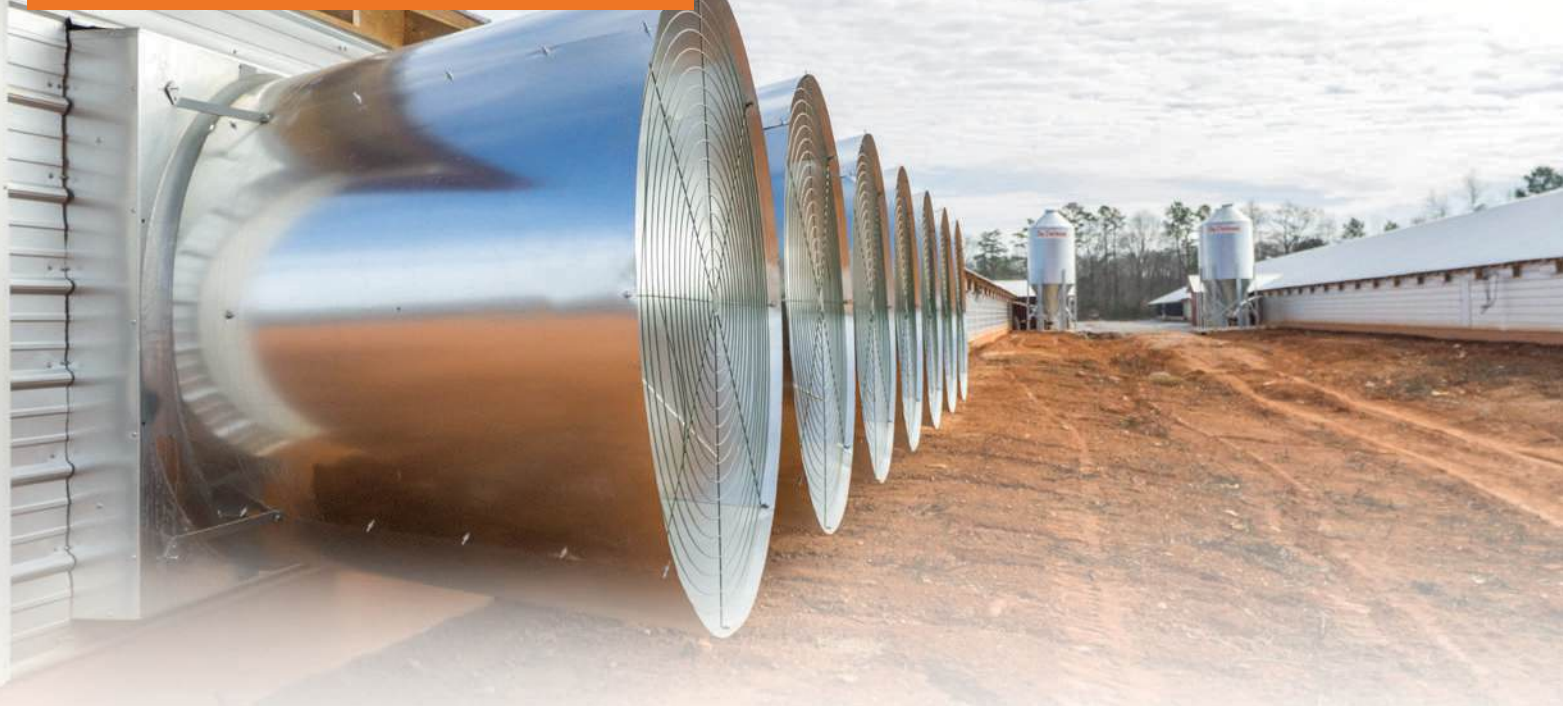
The TITAN 54" is available in 1hp or 1.5 hp options along with 3 phase availability and is ready to be packaged in your next Big Dutchman poultry project.



				Cubic Feet per Minute (CFM) at Static Pressure												
Fan Model	BESS Lab Test #	Motor HP	Fan RPM @ .05"	0" S.P.		.05" S.P.		.10" S.P.		.15" S.P.		.20" S.P.		.25" S.P.		Air Flow Ratio
				CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	
Exterior Mount FG Fan with Damper Door Discharge Cone & Guards																
TITAN 54L	16344	1	548	29,800	31.3	27,800	26.7	25,500	22.9	23,100	19.7	20,400	16.9	17,200	14.4	0.73
TITAN 54M	16346	1.5	592	32,200	27.2	30,400	23.9	28,300	21.0	26,200	18.5	24,000	16.3	21,100	14.2	0.79
TITAN 54L Δ	16343	1	554	30,100	33.5	28,100	28.9	26,000	24.9	23,700	21.5	21,200	18.6	18,100	16.0	0.75
TITAN 54M Δ	16340	1.5	595	32,500	29.6	30,800	26.1	28,700	22.7	26,700	20.1	24,300	17.6	21,600	15.4	0.79
TITAN 54N Δ	16342	2	625	33,900	26.1	32,100	23.2	30,300	20.7	28,300	18.5	26,200	16.4	24,100	14.7	0.82
TITAN 54EN Δ	16341	2	666	36,200	23.3	34,600	21.0	32,700	18.8	30,900	16.9	29,000	15.4	26,700	13.8	0.84

Δ -3-Phase Units

52" AND 54" GALVANIZED FANS



NEW DESIGN REDUCES MAINTENANCE COST

- A corrosion resistant belt tensioner reduces maintenance and provides continuous strong performance
- Long lasting, high quality, rubber belt is easily accessible
- New tie-bar shutter design provides smooth, quiet operation and cleans easily

LOW COST INSTALLATION

- Fan supplied completely assembled, ready to mount in the wall
- Single phase units supplied with 10 foot cord and molded plug
- Every fan is bench tested prior to shipment, preventing start-up delays

GALVANIZED SLANTWALL FANS FEATURES:

- Long lasting galvanized steel housing
- High efficiency dual voltage, single and 3 phase motors
- Belt drive fans provided with high quality rotary belt tensioner
- Strong stainless steel shutter frame with PVC louver and tie-bar
- Easy to remove, high quality rubber belt
- Cast iron, greaseable air handling bearings

Fan Model	Fan Size	Motor HP	Fan RPM	CCFM	CCFM/Watt	Thrust, lbf	Thrust Eff., lbf/kW
NBCB52L	52	1	481	33,598	28.6	24.7	21.0
NBCB52M		1 1/2	553	38,890	22.8	33.3	19.5
NBCB52N Δ		2	589	42,148	21.4	38.6	19.6
NBC54L	54	1	452	38,014	32.3	27.8	23.6
NBC54M		1 1/2	485	40,657	29.4	31.8	23.0
NBC54N Δ		2	535	44,852	24.2	38.7	20.9

Δ – 3-Phase Motor



RAINMAKER 2 EVAPORATIVE COOLING

- Hygiene optimized: use of high-pressure cleaners possible to wash off dirt or deposits
- Standard pads are 6" thick, 23-1/2" wide
- Length options: 3', 4', 5', 6', 7' and 10' (other sizes on request)
- Weight: 2.25 lbs /sq ft (11 Kg/m²)
- Operating range: from -4°F to 176°F (-20° C to +80°C)
- UV - resistant
- Recyclable
- Plastic cooling pads require a high volume of water, Big Dutchman highly recommends the use of these pads exclusively with its RainMaker 2 system. Use of these pads in any other cooling system may severely limit performance. Plastic pads weigh more than cellulose pads and therefore require additional support.
- This product has a cooling performance that is inherent to this type of technology. The manufacturer neither claims nor warrants that its performance is comparable to any other cooling technology.

Plastic pad option



Professional LED ceiling lamp

A customized lighting concept significantly contributes to the success of your farm. The ZeusLED evenly illuminates all areas of a poultry house, and is offered as a 1 or 2 channel lamp, which is an exclusive brand product.

ZeusLED can be used for multiple purposes due to the LED technology and a wide optical spectrum. Energy savings of up to 50 percent compared to conventional moisture-proof lamps are an unbeatable advantage.



- LED technology allows for long-lasting energy savings of up to 50%
- 0 to 100% dimmable
- Zero flickering even at low light intensities
- Wide optical spectrum from warm white to cool white, infinitely variable
- 2 - channel moisture-proof LED lamp, e.g. to simulate sunrise and sunset
- Modular design consisting of a power supply unit, an LED driver and LED lamps
- Long service life of 50,000 hours and low maintenance requirements
- Rugged aluminum housing with an ingress protection rating of IP 65
- Exterior heat sink for optimum cooling
- Diffuser (optional) reduces dazzle effects, especially with low ceiling heights
- Can be installed at walls, ceilings or tubes

RADIANT BROODERS

SOLAIRE™ LOW PRESSURE BROODER



OPTIONAL ZONE CONTROL SYSTEM:

A power pack is available to provide automated battery back-up. Zone Control is available with Solaire™ single-jet or infrared brooders. The optional Zone Control System (24V AC/12V DC) electronically controls a group of brooders using one thermostat.

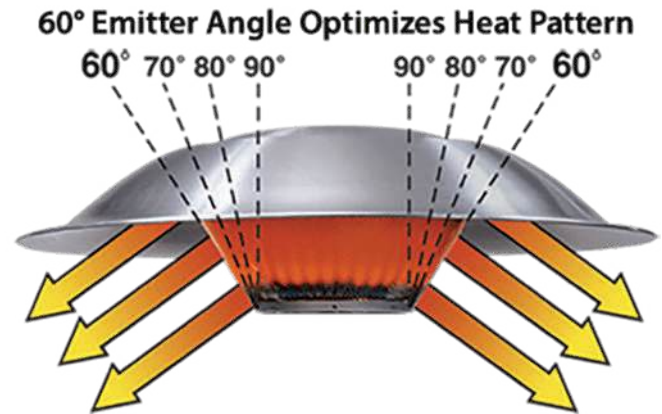
DIRECT SPARK IGNITION SYSTEM:

Direct spark ignition eliminates standing pilots and provides electronic control of a group of brooders. Direct spark ignition is available on single-jet and infrared brooder models. The system requires a transformer.

SIMPLE TO USE AND EASY TO CLEAN:

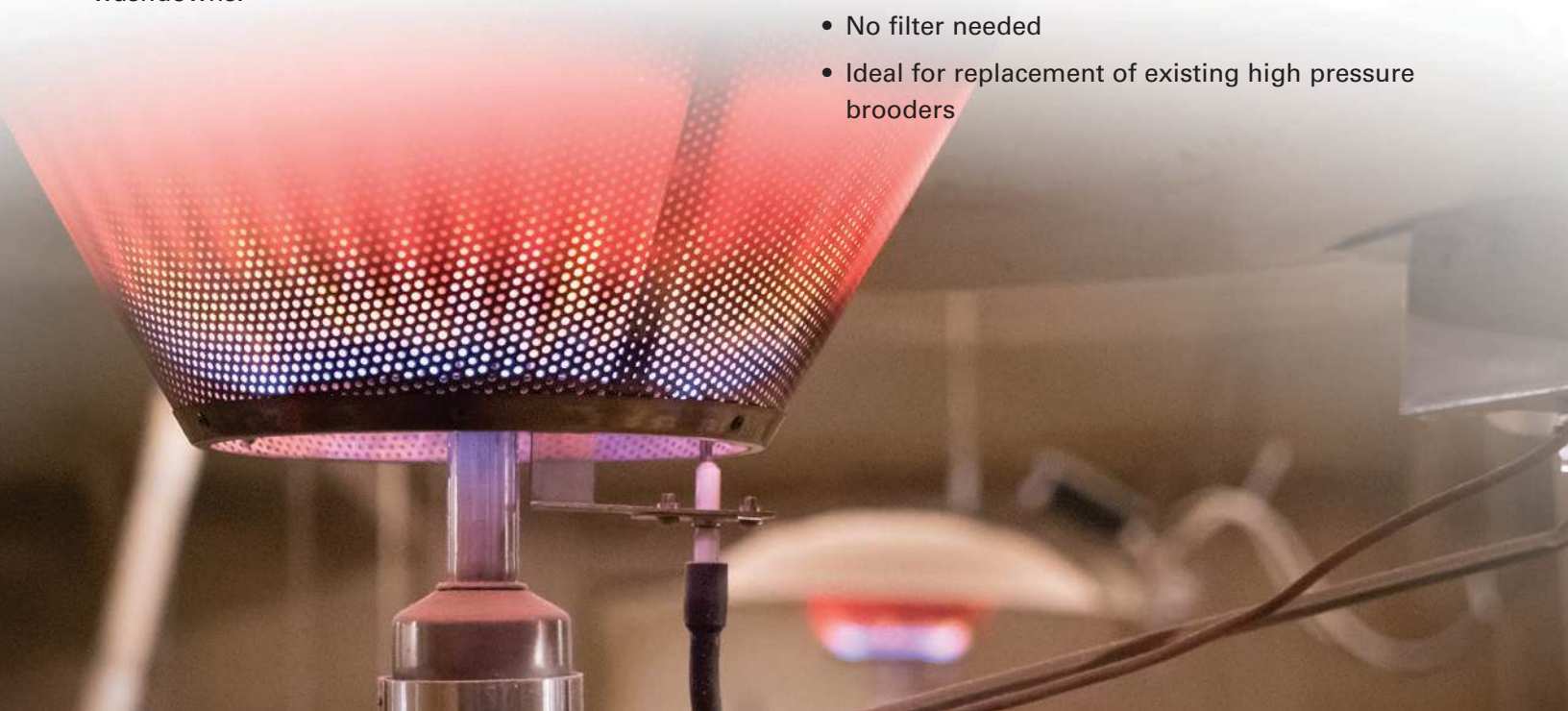
Assembling a Solaire™ brooder requires only a wrench and a screwdriver. The simplified control mounting eliminates bulky clips or wires, and the DSI box is sealed to allow for more protection and thorough washdowns.

TRU40 HIGH PRESSURE BROODER



FEATURES AT A GLANCE:

- Stainless steel emitter assembly, insulated and uninsulated – will not crumble or distort. Features 3-year limited warranty
- Stainless steel, corrosion resistant burner assembly features simple disassembly for easy cleaning and maintenance
- Stainless steel main burner gas line for strength and durability
- Large deep dish aluminum canopy to efficiently reflect heat to litter area where it's needed most
- Ignition Control features a moisture resistant enclosure
- Safety pan below burner helps shield litter area directly beneath brooder
- Low profile mounting bracket permits easy levelling of brooder
- No filter needed
- Ideal for replacement of existing high pressure brooders



RADIANT TUBE HEATERS

Our Radiant Tube heater provides a large, even heat footprint, promoting improved bird growth. Delivering a large, extra wide, rectangular heat pattern at litter level results in a more uniform heat distribution for your poultry house. Better brooding conditions means more comfort for your birds.

BIGFOOT TUBE HEATER



19° ANGLE OPTIMIZED REFLECTOR ANGLE:

- Better radiant throw
- Less convective wash
- Higher radiant output and more fuel efficient
- Faster to put heat on the floor
- Low clearances to combustibles above
- Unique U-bend reflector directs more heat from the end of the tube

HEAT PATTERN:

- Even temperature distribution
- Allows birds warm access to food and water
- 4" diameter tubes create large radiant surface to emit heat to the outside wall
- Bigger footprint than other competitive units

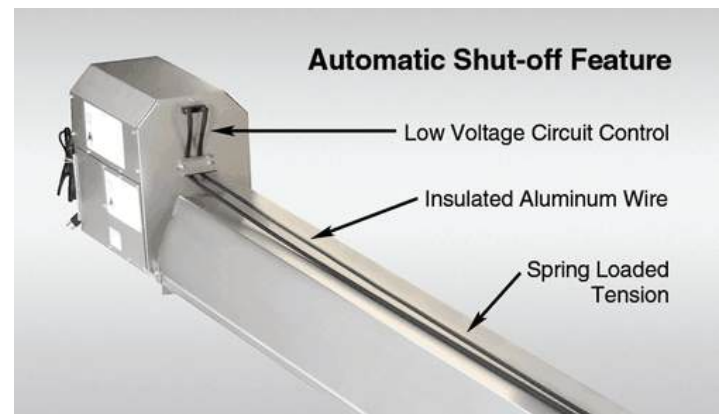
FUSION TUBE HEATER



TUBE INTEGRITY SAFETY SHUT-OFF SYSTEM

This system uses a simple principle to place an electrically insulated aluminum wire in tension above the reflector.

Low voltage is then continuously passed along the wire in line with the gas control circuit. If heat levels increase due to heat exchanger failure, the wire melts and the safety circuit is broken, breaking the 24 volt circuit and shutting down the heater.



- An energy efficient radiant heating system that saves fuel, reduces maintenance and permits higher mounting
- Calorized aluminized steel emitter tubes for corrosion resistance and greater radiant output
- Unique diagnostic monitoring lights show when heater is operating, and assists with fault diagnosis
- Ceiling stays cool – no need for insulated board above heater.**
- CSA design certified for safety

- Excellent radiant throw and even temperature distribution
- 4" diameter tubes create a large radiant surface to emit more heat over a wide rectangular area
- Each unit comes with fresh air intake kit, exhaust hood, stainless steel flexible gas connector and a pre-wired electrical connection
- Features a 3-year limited warranty on complete emitter assembly

**Provided minimum clearances-to-combustibles are maintained

ViperTouch

Climate and Production Computer - complete climate and production control for your poultry house... at your finger tips



The new ViperTouch is a state-of-the-art climate computer that allows you to control the entire house efficiently.

ViperTouch is a full production and management computer. It records all important data concerning production, growth, feed and water consumption, and mortality, allowing you to react quickly to changes and to take the required action resulting in better results.

The extension modules “full broiler functionality” and “full breeder functionality” provide additional functions which are especially important for broiler and broiler breeder management.

FEATURES AT A GLANCE:

- Simple operation via touch screen
- Ideal climate and production computer for all types of poultry production
- Adjustable operating modes: Basic, Flex or Profi Mode
- Speaks 16 languages – including yours
- Customizable home screen
- Integrated network interface
- Simple alarm management
- BigFarmNet-Manager with mobile and web access

DOL53 AMMONIA SENSOR

The first NH₃ sensor for continuous measuring of the ammonia concentration in the house air

DOL 53 provides exact figures on the NH₃ concentration in the house air at all times so you can immediately take suitable measures to reduce the ammonia content when necessary, because only healthy animals can show their full potential!



DOL 53 permanently monitors the ammonia concentration in the house air, allowing the house climate to be controlled based on the sensor’s measurements. Our ViperTouch climate computer can receive and process the data provided by the sensor to regulate the house climate according to the measured values.

FEATURES AT A GLANCE:

- Exact and continuous measuring of the NH₃ concentration in the house air
- Measuring range covers concentrations typical for livestock production
- Easy integration into existing houses and their climate control systems
- Robust and reliable
- Easy to install
- Analogue 0 to 10 V output

BIRD SCALES

Precision weighing systems for all types of poultry – mobile or fixed installation

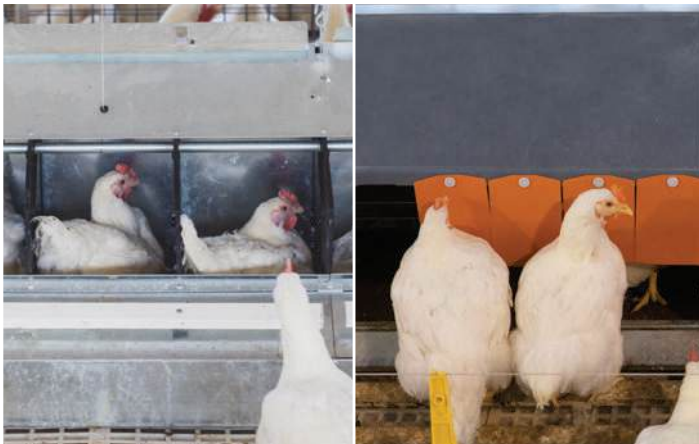
Monitoring bird weights is an important tool in modern poultry management. Especially in poultry growing, the exact determination of bird weights is a significant factor for economic success.

NESCA BIRD SCALE

Poultry scale for broiler breeders

Nesca is a poultry scale recently developed by Big Dutchman for integration into single hole and group laying nests (patent pending). The scale automatically determines the weight of hens visiting the nest to lay their eggs.

Nesca records the largest possible range of weights of a great number of hens, whether they are heavy, light or lazy, and without requiring any additional efforts from the staff. Nesca consists of a bottom wire mesh which rests on four load cells. The load cells transmit their results to the production computer via a weighing module.



NXB SINGLE HOLE NEST

RETREAT COLONY NEST

MAIN ADVANTAGES

- Automatic weight determination
- Lower number of manual weighings reduces workload and saves time
- The period for weighing can be defined individually, for example before feeding or during the main laying phase
- Automatic differentiation between males and females during weighing
- Designed for colony and single hole nests

SWING 20 BIRD SCALE

Versatile poultry scale

Swing 20 consists of a load cell and a platform made of plastic material (or, as an option, stainless steel).

MAIN ADVANTAGES

Using the telescopic suspension, the platform can easily be adjusted in height and thus be adapted to the birds' age. The birds accept the scale well, resulting in plenty of weighings and therefore precise weight data.

Swing 20 is suspended from the barn's ceiling. During the service period, the scale can easily be removed for cleaning while the weighing electronics remain installed close to the ceiling where they are protected against dirt.





Big Dutchman.
Innovation Breeds Success

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Details are subject to change: 12/2019
86-00-7732