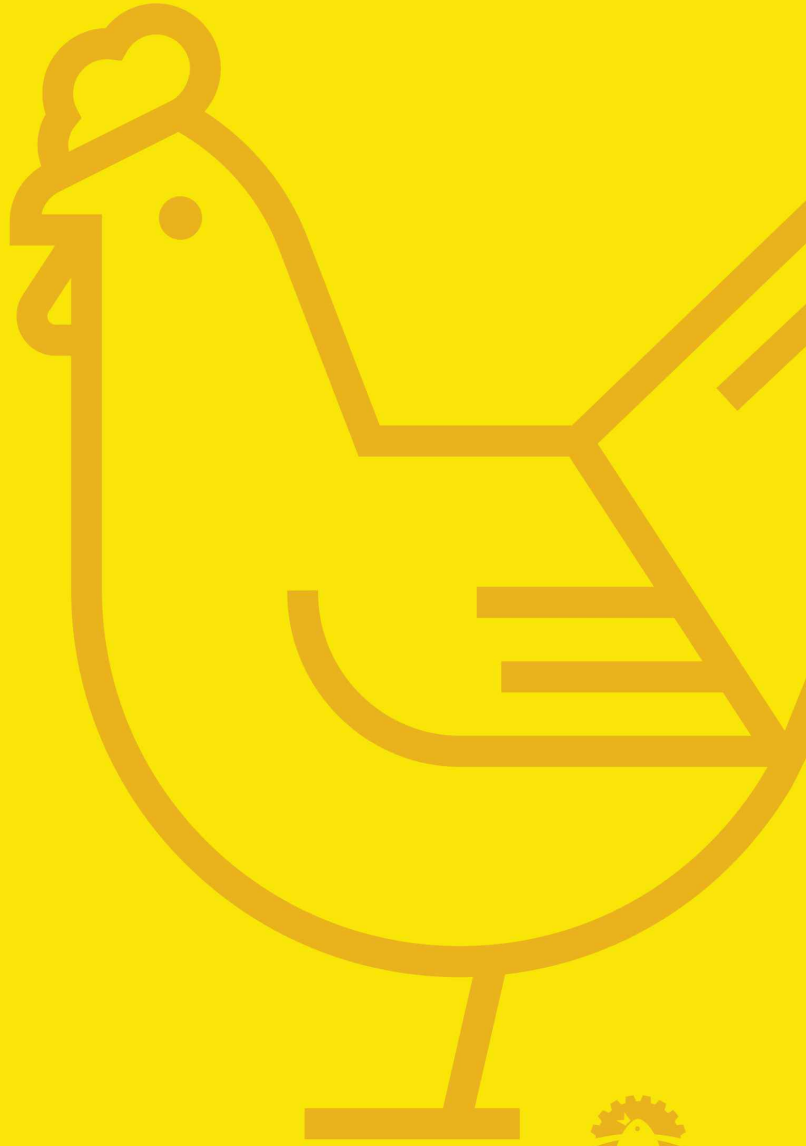


FLOOR SYSTEM

**DEEP-LITTER BROILER
CHICK MANAGEMENT
SYSTEM**



TEXHA®

Deep-litter broiler chick management system

Deep-litter poultry management technology is traditionally regarded as one of the easiest and the most accessible solutions in the poultry farming industry. Nevertheless, this conventional system requires the use of high-quality state-of-art equipment designed based on the newest developments in the deep-litter broiler chick farming field in order to efficiently increase business profitability and performance.

TEXHA has designed the comprehensive solution and offers ready-to-use sets of processing equipment with automated control of the poultry life-support processes, including feeding, drinking, lighting and microclimate.



Find out more
at texha.com





Advantages

- Poultry management environment that closely simulates natural conditions

- This solution is perfect for beginner-farmers, who have just started their business in the poultry-farming industry and need more requiring and need more experience in broiler chick rearing

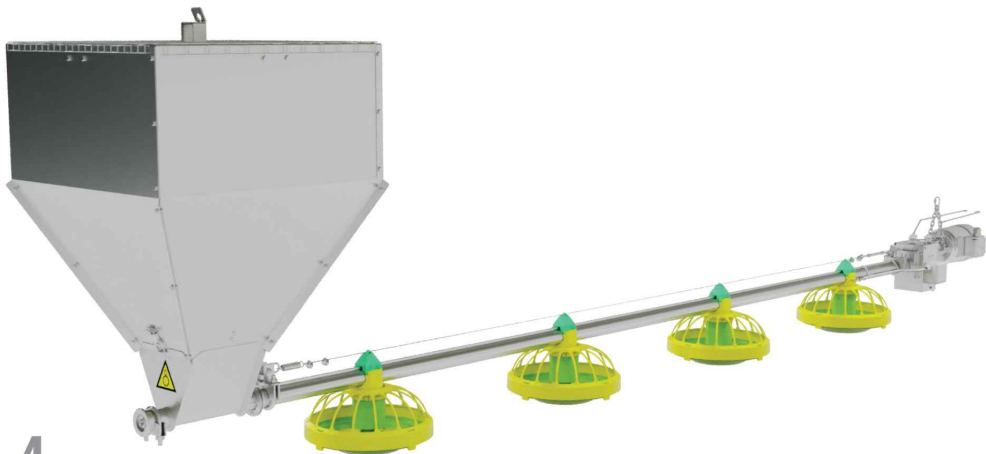
- Organization of deep-litter poultry management process does not require major financial investments, since the solution may be easily implemented in the older poultry farm buildings

Feeding

The feeding process is fully automatic to ensure proper access to feed for each individual bird. From the large external feed bins, the feed goes to the inner storage hoppers, from where it is supplied to each feedbox via a spiral pipe. The full volume of the external feed bins is enough to store a feedstock sufficient for the entire facility for several days. The external feed bins are available with mechanical or pneumatic loading options. Special sensors support the automatic filling of the inner hoppers as the feed is consumed.

The feed supply can be adjusted according to the bird's age. The feeding process is suitable for all ages from a day-old chick to an adult broiler without a need for replacing any equipment. The feed is supplied from the external storage bin to the feedboxes through galvanized steel pipes by a steel spiral auger conveyor. As the flock grows, the feed line with attached feedboxes can be lifted to the desired height, and the amount of feed can be adjusted using a 5-position or 6-position (depending of the feedbox model) feed dispenser on each feedbox. In this way, the birds can receive more feed at a comfortable height depending on their age, which contributes to a steady weight gain.

The feed supply pipes have the technological stiffening ribs which keep the feedbox securely attached in place, prevent deformation and increase the service life of the pipes. The rotating steel spiral auger ensures the even feed supply and prevents stagnation of the feed. To prevent birds from sitting on the pipes like on a perch and clogging the feedboxes, a thin steel rope is stretched on top of the structure. This simple and reliable system is designed for long-term uninterrupted service.



Outstanding features of the feeding system

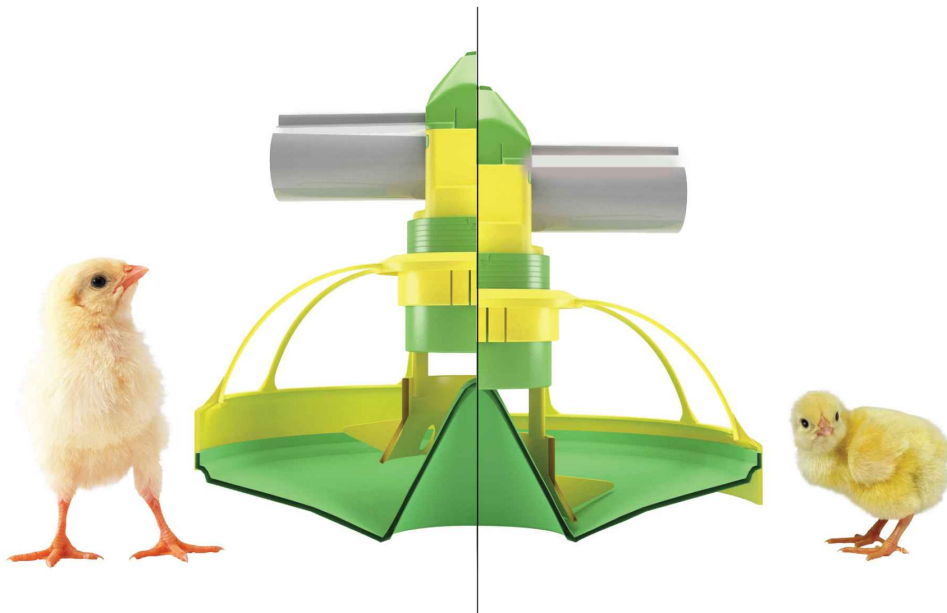
- Rolled corrosion-resistant pipes made of galvanized steel
- Spiral auger made of quality spring steel
- Versatile KoChiBo and Hit Feed
- bowl-type feedboxes made of biologically neutral plastic
- Feeding process automation
- Easy operation
- Reliable solution with long service life
- Low energy consumption



KoChiBo feedbox

This feedbox has been specifically designed for meat business and is perfectly suitable for broiler farming purpose. The device is made of environmentally friendly food-grade plastic material with high durability, flexibility and wear-resistance properties. The feedbox has a long service life and is designed for many years of operation.

The feedbox depth is adjustable by shifting of the feedbox housing relatively to its bottom to change the volume of the feed filling and elevation over the cage floor. In the lowest position, the feedbox edge rises only a few centimeters above the floor, allowing even the day-old chicks to easily reach the feed. The depth of the feedbox and its high edges ensure supply of accurate feed quantities and eliminate the risk of feed loss due to scattering. The windows in the feedbox housing are designed so that birds of all sizes and ages can eat comfortably without blocking access to the feed for other birds.



KoChiBo feedbox benefits

- Perfectly suitable for aviaries with relatively shallow bedding
- Movable bottom for feedbox depth adjustment and ensuring easy access to feed even for day-old chicks
- 5 or 6 levels of feed quantity adjustment depending on the feedbox modification
- Minimum feed spillage
- One feedbox is designed for up to 60 broiler chicks
- Even feed distribution in the feedbox by 360°
- Feedbox beams restrict the access for grown chicks after 6–8 days
- The feedbox is easy to disassemble, clean and wash



YouTube video
of KoChiBo



KochiBo

08





NEW Model

Hit Feed feedbox

New generation feedbox! Tested and approved by leading poultry farms!

Similar to previous generation of KoChiBo feedboxes, this new model has been specifically designed for meat business and is perfectly suitable for deep-litter broiler farming purpose.

The W-shaped bottom of the feedbox is embedded deep into the deep-litter bedding for easy access to the feed for the chicks from the very first day of life. A 6-position dispenser supplies the desired quantity of feed depending on the bird age and the process requirements.

A special valve on the dispenser allows the feed flow shut off to a specific feedbox without a need to shut down the entire feeding line.

The feedbox is available with three different holder types for installation on various feed distribution pipe configurations. The first holder option is intended for installation on the seam pipe without rotation. The second holder option is also designed for seam pipes, but also supports 90° leftwards-rightwards swiveling of the feedbox. Finally, the last holder option is compatible with seamless pipes.

Our feedboxes are made of food-grade plastic and are easy to dismantle and wash.





Outstanding features of Hit Feed model

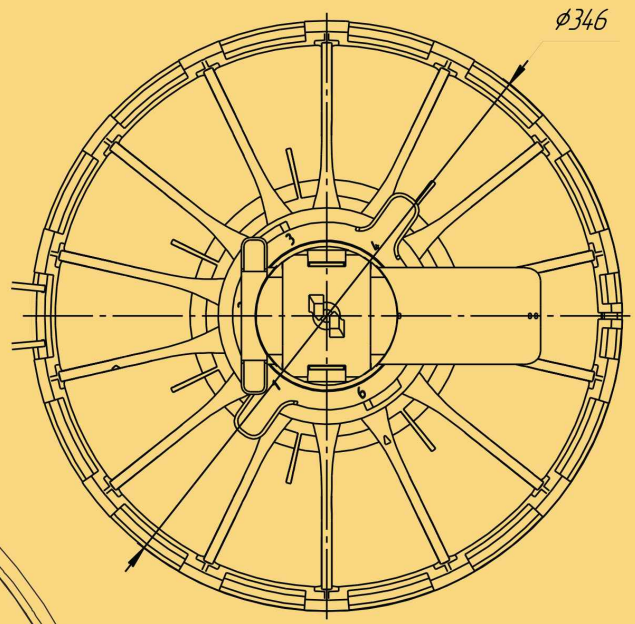
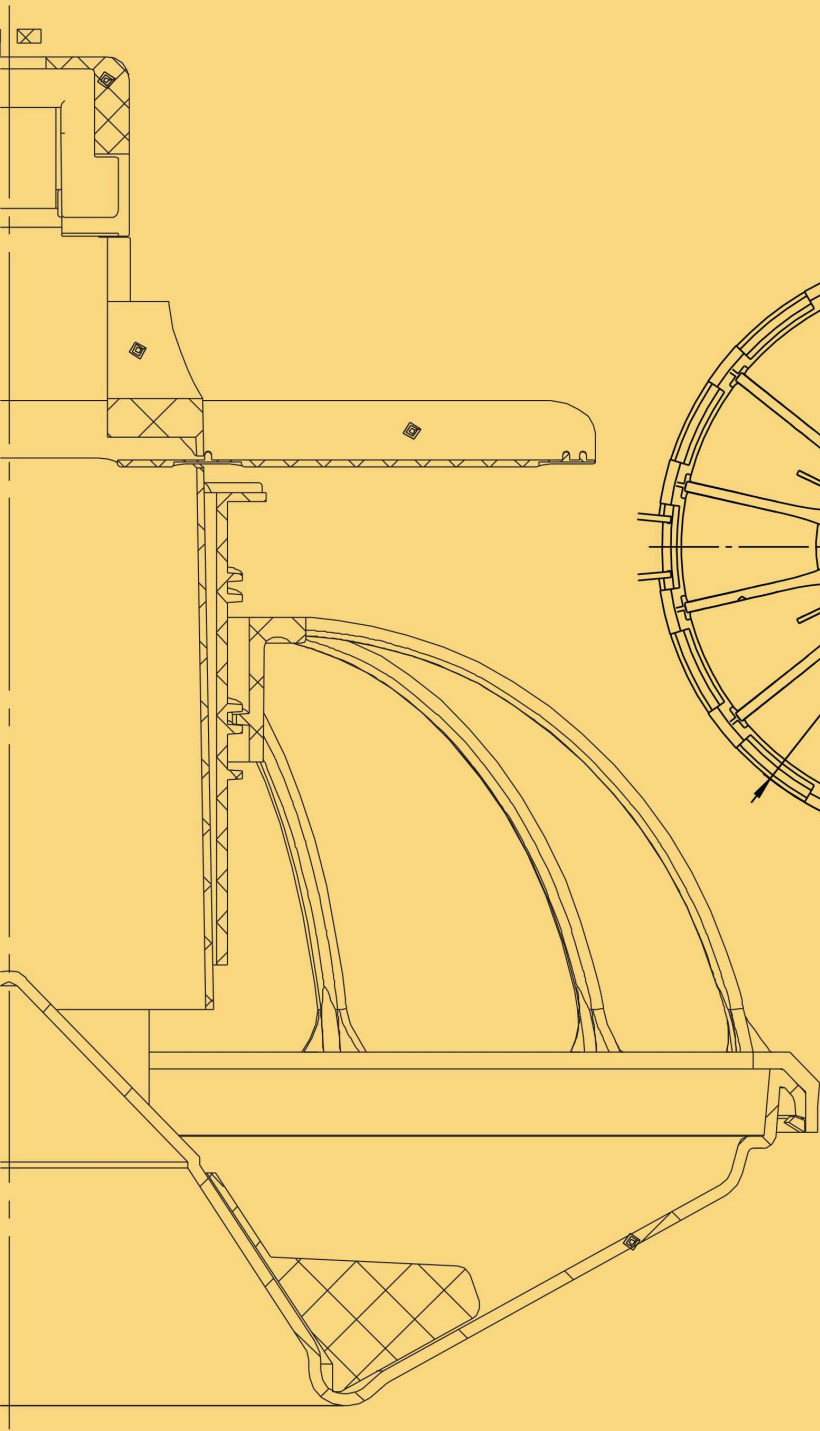
- Perfectly suitable for aviaries with relatively deep bedding, especially in the cold climate zones
- Round bowl with W-shaped bottom profile, which is embedded deeply into the deep-litter bedding, ensures the chick access to feed along the entire circumference of the feedbox from the first day of life
- This feedbox is easy to dismantle and wash
- 6 levels of feed supply adjustment for different ages and crosses of poultry
- Even feed distribution
- Prevention of feed scattering and losses
- Feeding front (circumferential length) - 1 m
- On/off valves inside the dispenser allows shut-off of feed supply to the specific feedbox at the specific time without interruptions of the general feed distribution process



YouTube video
Hit Feed

HitFeed





KoChiBo and Hit Feed feeders

Benefits, cost savings, versatility

- Compatible with any feeds

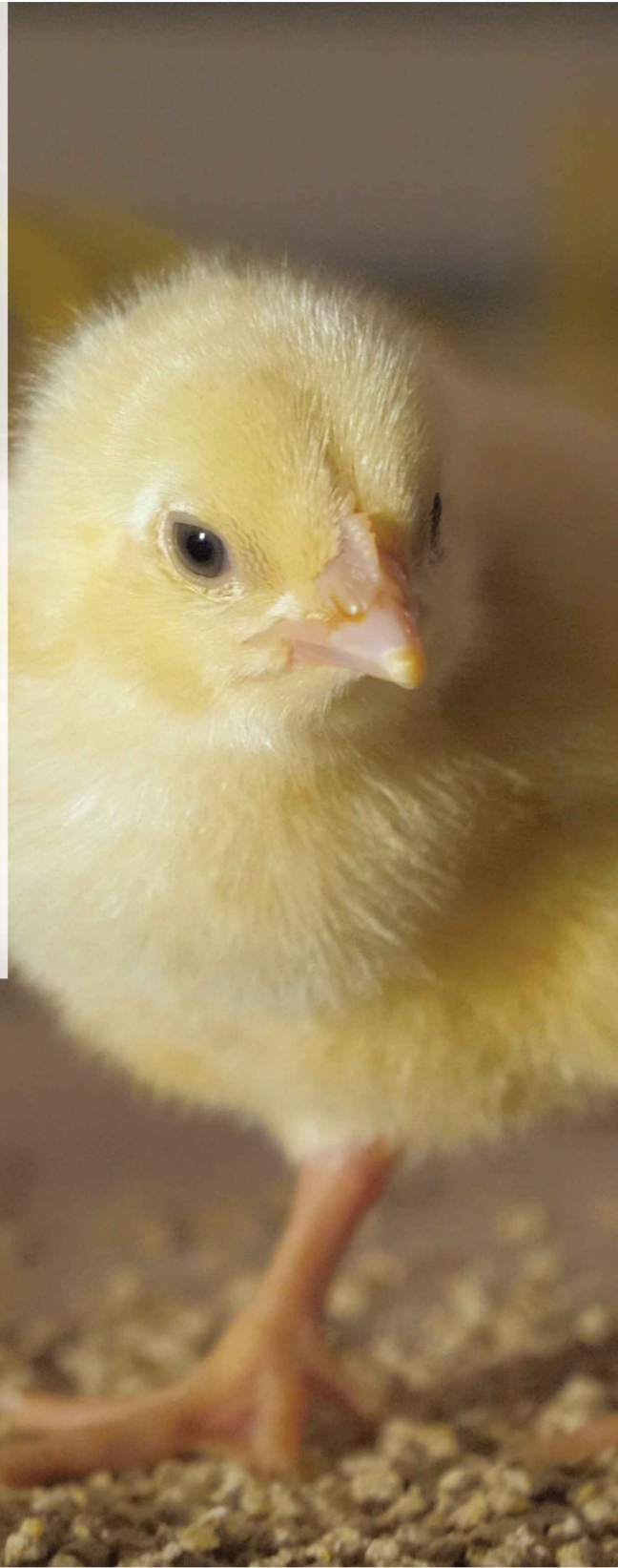
- Proprietary designed molding plastic formulation offers optimal balance of plastic component flexibility and rigidity

- Use of primary raw materials of flawless quality completely eliminates unpleasant artificial odor

- High-quality assembly and sealing of connections

- Detachable connections for quick assembly and disassembly

- Use on environmentally friendly and reliable materials



Hit Feed

Specifications	Light broiler < 1,8 kg	Medium broilerp 1,8-3 kg	Heavy broiler > 3 kg
Number of birds/feedbox	100-80	80-55	55-38
Average end age, weeks	5	6	8
Average end weight, kg*	1,8	2,4	3,5
Housing density, birds/m ²	23	18	11
Feedbox diameter, mm	340		
Minimum feed capacity, kg**	0,79 kg (adjustment level - 1)		
Average feed capacity, kg**	1,04 kg (adjustment level - 4)		
Maximum feed capacity, kg**	1,25 kg (adjustment level - 6)		
Number of beams	14		
Bowel height, mm	72		
Pipe, Ø mm	45		
Maximum feeding line length, m	120		
Special features	Feed supply shut-off valve		
Optional	Rotation around the axis by 90° during washing		

KoChiBo

Specifications	Light broiler < 1,8 kg	Medium broiler 1,8-3 kg	Heavy broiler > 3 kg
Number of birds/feedbox	80-65	65-45	45-30
Average end age, weeks	5	6	8
Average end weight, kg*	1,8	2,4	3,5
Housing density, birds/m ²	23	18	11
Feedbox diameter, mm	330		
Minimum feed capacity, kg**	0,62 kg (adjustment level - 1)		
Average feed capacity, kg**	0,78 kg (adjustment level - 3)		
Maximum feed capacity, kg**	1 kg (adjustment level - 5)		
Number of beams	16		
Bowel height, mm	55		
Pipe Ø, mm	45		
Maximum feeding line length, m	120		
Optional	8-beam configuration		

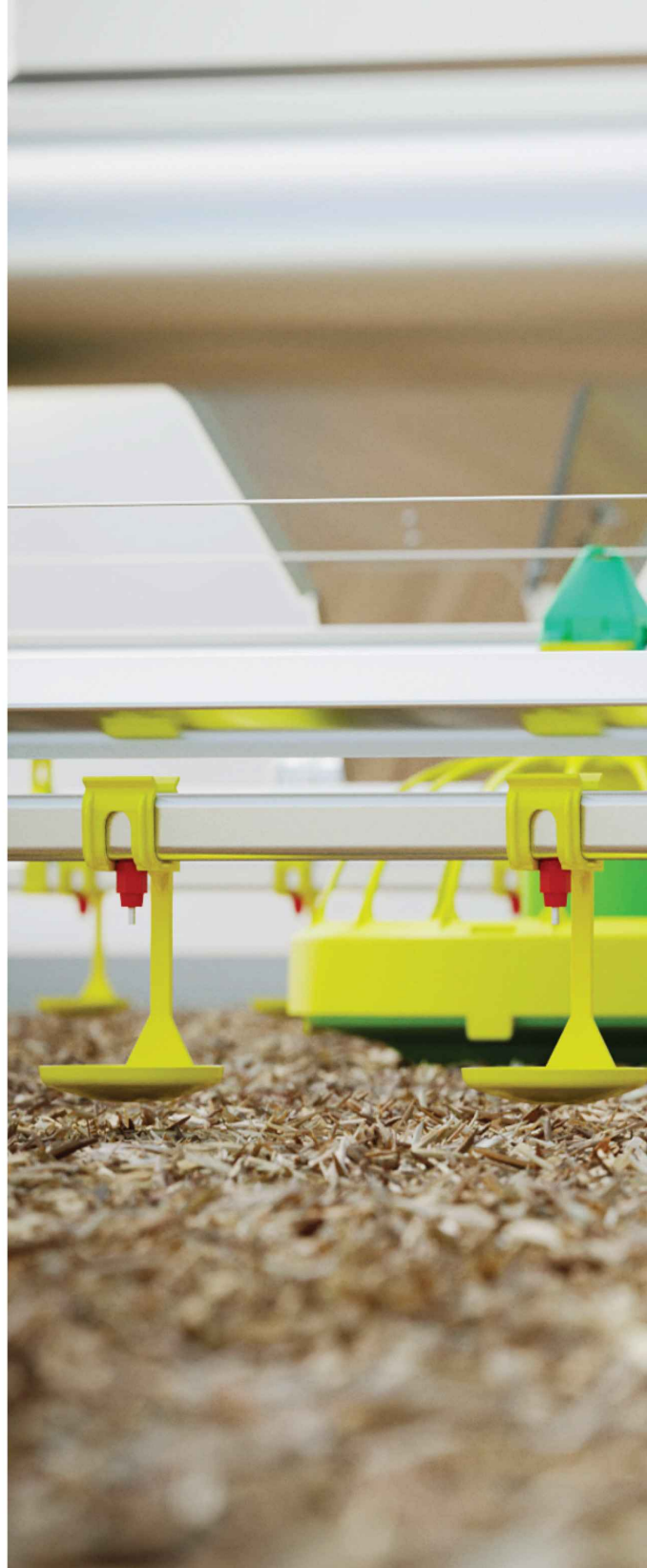
* Depends on recommended poultry rearing process parameters

** Feed density of 0,65 kg/1 L, the feedbox is elevated above the bedding

Drinking

A simple and reliable drinking system provides each bird with clean potable water. The height of the drinking line pipes can be adjusted to suit the age of the bird. The nipples and drop catchers are designed for maximum ease of use while preventing water loss, leaks and dirt. The nipple has a 360° rotation axis and is triggered by a beak touch from both adult broilers and day-old chicks.

The water supply system includes a filter for mechanical cleaning of suspended solids and a medicator for adding medicines, vaccines and vitamins to the water. It is possible to install a water treatment plant for the whole complex of the poultry farm. It is also possible to install a water enrichment complex for dispensing acidifiers, medicines, minerals and other additives. It is recommended for installation in case of poor water quality. Acidifiers increase the pH value of water and create an antimicrobial effect: mold fungi, infections and pathogenic microbes growth and development is reliably inhibited. Enriched water promotes poultry health, improves digestion and protects against parasites such as salmonellosis.



Drinking system benefits

- Integrated water filter
- Compatible with extra disinfection and cleaning systems
- PVC pipes manufactured of biologically neutral plastic material at the in-house facility
- 360° multi-purpose nipple drinkers with drop catchers
- Automation of the water treatment distribution processes
- Injector-type medicator for adding medicines, vaccines and other additives
- Compatibility and connectivity with additional water enrichment equipment
- Reliable and leak-free water distribution system
- Integrated water control and distribution system
- Compliance with the modern water quality standards



Microclimate and lighting

Maintenance of the proper microclimate in the aviary is extremely important, since the maximum growth rate of broiler chicks can be achieved only with optimal parameters of temperature, humidity and air composition.

First of all, the microclimate system should provide a good air exchange in the room, without any stagnant zones and unventilated areas.

For this purpose, we offer installation of the ventilation system to ensure regular air replacement in the aviary. Powerful exhaust fans remove exhaust air, while a system of supply dampers ensures an even inflow of air into the aviary. Where necessary, additional axial fans may be installed to redirect and mix the air flows ensuring the even air circulation in the building.

Excess heat is removed from the aviary together with the exhaust air. The cooling system is based on evaporative coolers that humidify and cool the air to an optimal level. For heating during the cold season, thermal generators or heating fans may be installed.

Temperature, humidity and air composition sensors are installed in the aviary. Data from sensors are loaded into the climate control system, which automatically controls the ventilation and adjusts microclimate conditions according to the preset values. The alternation of day and night, as well as daylight period duration are controlled by the sunrise/sunset system.

Lighting parameters are preset according to the program and controlled by the automation. The lighting changes smoothly within a few minutes, imitating the natural diurnal cycle. Microclimate and lighting systems create consistent comfortable living conditions for the birds throughout the year.



Find out more at
texha.com

Microclimate maintenance system depends on several parameters:

- Climate zone the aviary is located in
- Building specifications
- Poultry farm goas and poultry cross-breed
- Scope of equipment and flock size



Notes



texha.com
market@texha.com