



**All About Poultry  
House Design...**



[bigfarmpoultry.com.tr](http://bigfarmpoultry.com.tr)

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# Who we are ?

Bigfarm produces fully automatic cage and ground systems that meet customer expectations by combining advanced engineering practice with 20 years of technology. Since its establishment, it has been providing the answer to reliability in every field, from project planning to production, from manufacturing to assembly. Bigfarm continues on its way as a preferred brand in Turkey and the world with its satisfied customers thanks to the innovations it has brought to the sector. Bigfarm offers turnkey projects in the poultry sector with fully automatic cage systems, broiler systems, feed production systems and transportation systems. It is a growing brand with exports to the Middle East, Asian countries, North and West Africa. Bigfarm has adopted the principle of "customer satisfaction". It offers pre-sales and after-sales services all over the world with its expert R&D team and state-of-the-art production chain. Bigfarm, which has a wide international sales network, is on its way to becoming a world brand that improves itself and directs customer services with the product and service solutions it develops.



# What we do ?

**Poultry Equipments production, sales and after sales support, turn key poultry house design and set-up**



## **Production**

We provide both economical and high-quality products with our own design of feeders, drinkers and nipples.



## **Export**

We regularly sell and set up poultry houses to wholesalers and direct poultry businesses in 30 countries.



## **Poultry House Design & Set-up**

Installation of poultry equipment and turnkey poultry systems.



## **Innovation**

Product and system design in our prototype poultry houses; We try and test the products and systems we have developed in our own poultry farm and modify them if necessary.



## **Quality and Speed**

Due to the the advantage of being a true manufacturer, we are able to offer fast delivery by always having enough equipment required for the installation of at least two poultry houses from our immediate stock.



## **After Sales Support**

With our veterinary staff, we continue our support after sales and poultry house setup.

# Poultry House Design & Installation

Providing all the equipment and materials required for poultry house installation, performs the best turnkey poultry house solutions, especially by combining drinker systems, feeder systems, lifting systems solutions with ventilation-heating-cooling and lighting modules, that are critical for a poultry farm house.



## Contact Us!

At the stage of house setup - design, we recommend that you contact us.

To make the feasibility of the facility you will establish accurately; designing your land and building with ideal dimensions and feeding, watering, ventilation, heating, cooling and other equipment is extremely important to avoid surprises later.

# Watering Solutions

## Monitoring

You can use the pre-programmed settings or customize them to your own preferences.

## Suspension Solutions

The correct drinking position for a chicken is a straight back and stretched neck. With the suspension system you determine the height of drinking line.

## Water Detection system

You can control water pressure and flow rate.

## Water Control Panel

The water control panel is the basis of the automatic drinking system.



**1**

For the first 2 days, your chicks should reach the nipples at an angle of 30-45 degrees.



**2**

For the next 5-6 days you should set your lifting system at a 60 degree angle.



**3**

Afterwards, you should check the height every two days and adjust with 70-80 degree angles according to the growth rate.

**The most common mistake is keeping the drinker line too low.**



### Drinking Nipples

Each type of chicken has a different way of drinking and different type of nipples (180 or 360 degrees)



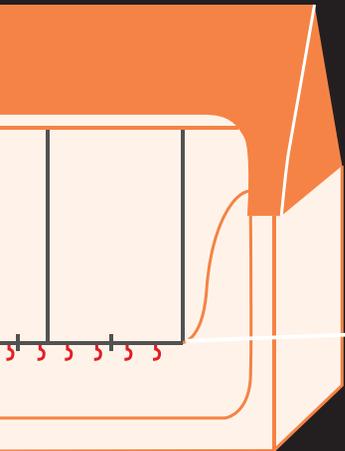
### Drinking Cup

Depending on the water flow rate we recommend using a drip cup to prevent wet floor.



### End air outlet set

End air outlet set is installed at the end of each drinking line. (To control pressure)



### Regulators

The pressure regulator at the start of the drinking line will further reduce the water pressure.

**With our integrated and closed circuit watering solution, all your animals have access to sufficient, clean, fresh and cold drinking water.**

# Watering Solutions Nippels

We set up your coop with these products.



BF-WTR-001  
Stainless Gasket Type Nipple



BF-WTR-002 Classic  
Nipple (180°)



BF-WTR-003 Flex  
Nipple (360°)



BF-WTR-004-  
Screw Metal Nipple (180°)



BF-WTR-005 Screw  
- Metal (360°)



BF-WTR-006-  
Screw - Ball Type Nipple (360°)



BF-WTR-007  
Cubby Nipple with Ball (360°)



BF-WTR-008  
Ball Type J Nipple (360°)



BF-WTR-009  
J Type Nipple Clamp  
(For Square Pipe)



BF-WTR-010 -J  
J Type Nipple Clamp  
(For Round Pipe)



# Watering Solutions Irrigation

We set up your coop with these products.



BF-WTR-019  
Hanger Drip Cup (22\*22)



BF-WTR-020  
Hanger Drip Cup (26,4 mm)



BF-WTR-021  
Drip Cup (22 mm)



BF-WTR-022  
Drip Cup (22 mm)



BF-WTR-036  
Spring Drinker Cup



BF-WTR-037  
Chick Drinker Bucket 5 It



BF-WTR-038  
Chick Drinker Bucket 3 It



BF-WTR-039  
Drinker Stand



BF-WTR-042  
Strapped Drinker



BF-WTR-054  
Lego Type Drinker



BF-WTR-055  
L Recor

# Regulators

We set up your coop with these products.



BF-WTR-011  
By - Pass Regulator



BF-WTR-012  
Classic Model Regulator



BF-WTR-013  
Classic B Regulator



BF-WTR-014  
Slope Regulator



BF-WTR-018  
End-Line Level Positioner



BF-WTR-015  
End - Line Set



BF-WTR-016  
End Line Rubber Piece



BF-WTR-017  
End-Line Level Indicator

# Medicators

We set up your coop with these products.



BF-WTR-040  
Water Tank & Float Set



BF-WTR-041  
Float Set



BF-WTR-043  
Mixer



BF-WTR-044  
Dosing Pumps



BF-WTR-045 Water  
Control Panel



BF-WTR-046  
Filter for Particles



BF-WTR-047  
Lime Dust Filter



BF-WTR-048  
Pressure Lowering



BF-WTR-049  
Mechanical Water Meter



BF-WTR-050  
Electronic Water Meter

# Connector

We set up your coop with these products.



BF-WTR-051  
Square Connector



BF-WTR-052  
26,4 mm Round Sleeve



BF-WTR-053  
22\*22 mm Square Sleeve



BF-WTR-023  
Below Joint - PVC



BF-WTR-024  
Below Joint Clamps



BF-WTR-027  
Square Saddle



BF-WTR-028  
Round Saddle with Screw



BF-WTR-029  
Round Saddle for J Nipple

# Connector

We set up your coop with these products.



BF-WTR-030  
Locked S Hanger from  
21,6 mm pipe to 26,4 mm pipe



BF-WTR-031  
Locked S Hanger from  
26,4 mm to 26,4 mm pipe



BF-WTR-032  
Locked S Hanger from  
26,4 mm to 22x22 mm pipe



BF-WTR-033  
Locked S Hanger from  
21,6 mm to 22x22 mm pipe



BF-WTR-034  
S Hanger 1/2



BF-WTR-035  
S Hanger 3/4



BF-WTR-025  
Rigid Pipe Connector with  
Gasket (22x22)



BF-WTR-026  
Rigid Pipe Connector with  
Gasket (26,4)

# Spiral Feeding Solution



A

The beginning of the feeder system is of course the main feed silo. (A)



B

Feed transfer from the feed silo; It starts with the motor connected to the feed channel.

This motor starts the feed flow from the main silo and transfers it to the spiral feed tanks. (A & B)



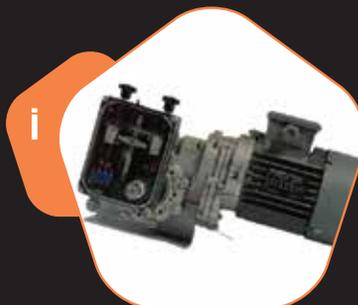
C

Spiral feed tanks are located at the starting point of the feeder line. (C)

Spiral Feed tank extends from the beginning to the end of the house with backed round pipes of different sizes. These tanks have a capacity of 90 or 150 kg.

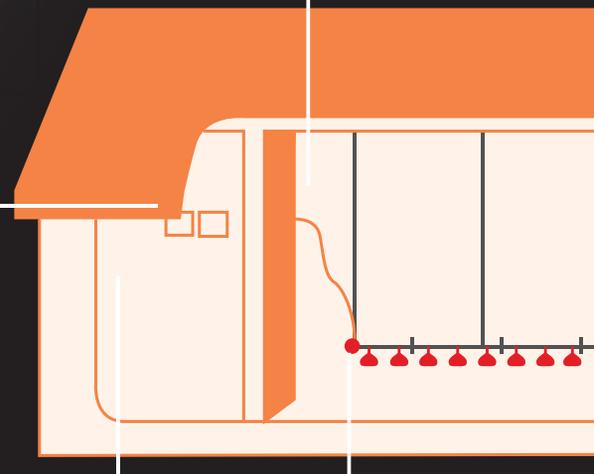


D



i

The lifting system, which allows you to adjust the height of the feeder line depending on the growth level of your chickens, is adjusted with the help of motor or manually (with a crane or chain hoist). ( Raised - lowered. ) ( i )



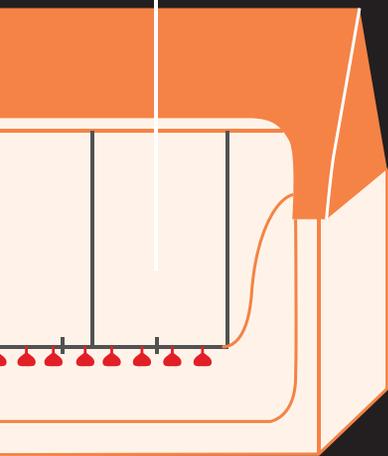
The feed is transported from the warehouse to the mangers with the spiral (E) inside the galvanized pipe (channel - D). The feeder system can work up to 150 meters depending on the quality of the spiral.



Our feeder models have been developed to save feed with our research and development studies. Feeders are mounted on the line at 75 cm to 100 cm intervals. When the feed carried to the feeders with the spiral is full, the sensors stop overloading the feed. (F)



Especially during the chick period, the entire feeder line is not used, so there is an intermediate stopper in the feeder line. (G)



Feed automation is provided with the help of sensors to prevent the emptying or overloading of the feeders. Or manually if desired.



The end-of-line apparatus at the end of the line automatically stops the feed flow when the feeders are full. (H)

**Although there are different feeder systems for each chicken breeding type, each system has a similar setup.**

# Channel Feeding System



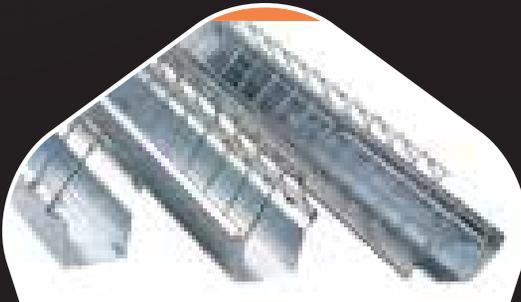
The Corner Turn



Track Chain



Feed Dispenser Motor



Wire Feed Channel and Grill

## Feed Tank



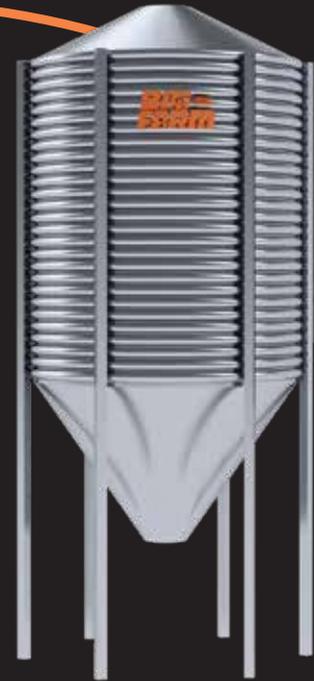
### Feeder system for breeding chickens consist of :

- Wire Feed Channel and Grill
- Pallet chain carrying the feed in the channels
- The Corner Turn
- Above channel feed tank
- Feed dispenser motor



# Silo & Sub Categories

Silos can be integrated with the weighing system with compression load cells. By connecting to a weight control module, it is possible to dose the amount of feed to be distributed in the farm by monitoring important parameters such as reducing the weight of the feed in the silo, distribution time, daily feed and water.



**Premix Scale**



**Scale Indicator**



**Junction Box**



**External Display**



**Loadcell & Mounting Kit**



# Feeding System

We set up your coop with these products.



BF-FD-001  
Pan Feeder ( Espoleta )



BF-FD-002  
Pan Feeder



BF-FD-003  
Pan Feeder ( Modern )



BF-FD-004  
Feeding Tank 90 kg



BF-FD-005  
Feeding Tank 150 kg



BF-FD-006  
Feeder End Line



BF-FD-007  
Feeder Mid -Line Stopper



BF-FD-008 Feeder  
End line Shaft



BF-FD-009  
Feeder Motor



BF-FD-010  
Feeder Spiral



BF-FD-011  
Mechanic Switch



BF-FD-012  
Electronic Sensor - Switch

# Feeding Solutions

We set up your coop with these products.



BF-FD-013  
Feeder Set Pipe (1,2 mm)



BF-FD-014  
Feeder Pipe (1,2 mm)



BF-FD-015  
Feeder Pipe Clemence



BF-FD-016  
Feeder Pipe Extension



BF-FD-017 Chick  
Feeder 2,5 kg



BF-FD-021  
Feeder End-Line Plate



BF-FD-019  
Tray Feeder



BF-FD-020  
Manual Feeder



BF-FD-022 Reductor  
for Feed Line



# Feeding Solutions

We set up your coop with these products.



BF-BRE-011  
Channel Feeder and Grill



BF-BRE-005  
Chain



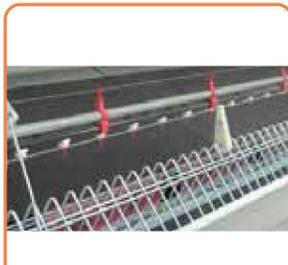
BF-BRE-003  
Feeder Motor



BF-BRE-006  
Channel Corner



BF-BRE-004  
Feeder Tank - Above Channel



BF-BRE-009  
Channel Grill



BF-BRE-007  
Channel Feeder Hanger



BF-BRE-024  
Spin Feeder



BF-BRE-002  
Manual Nesting Box

# Lifting Solutions

We set up your coop with these products.



BF-LFT-001 / 005



BF-LFT-006  
40 mm Corner Pulley



BF-LFT-007  
40 mm Corner Pulley



BF-LFT-008  
70 mm Corner Pulley



BF-LFT-009 Winches  
(for 1200 lb)



BF-LFT-010 Winches  
(for 2000 lb)



BF-LFT-011  
Plastic Klemms



BF-LFT-012  
Metal Clamps



BF-LFT-013  
Metal Clamps



BF-LFT-014  
20 mm Pulley



BF-LFT-015  
40 mm Pulley

# Lifting Solutions

We set up your coop with these products.



BF-LFT-016  
60 mm Pulley



BF-LFT-017  
1200 lb Manuel Vinch



BF-LFT-018  
Winches 2000 lb



BF-LFT-019  
1500 kg Winches



BF-LFT-020  
Winches 3500 kg



BF-LFT-021  
Watering Line Lifting Motor



BF-LFT-022  
Feeder Line Lifting Motor



BF-LFT-023  
3 mm Cord



BF-LFT-024  
4 mm Cord



BF-LFT-025  
Metal Cord Slider



BF-LFT-014  
Plastic Cord Slider



BF-LFT-026  
Aluminum Cord Slider

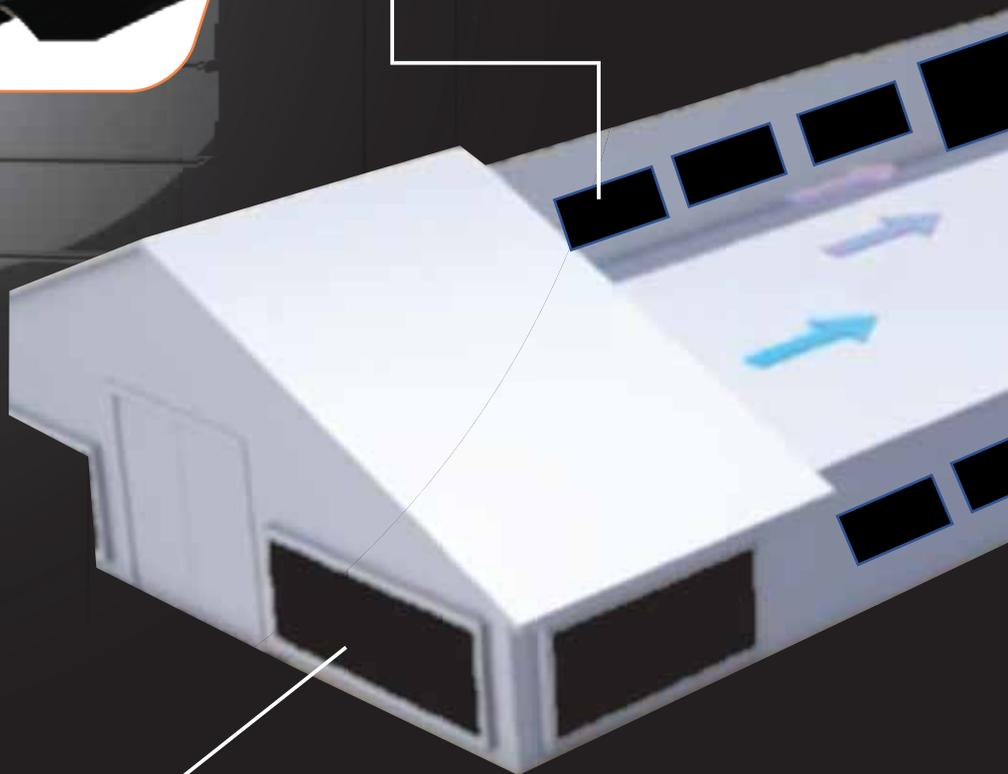


# Climatization

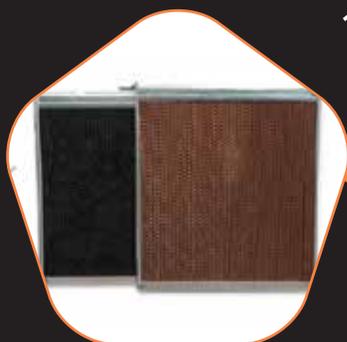
## Air Flow Flaps



Air Intake systems (flaps) that allow air to enter the chicken house thus allow to regulate the air quality and air pressure in the house.



## Cooling - Humidity

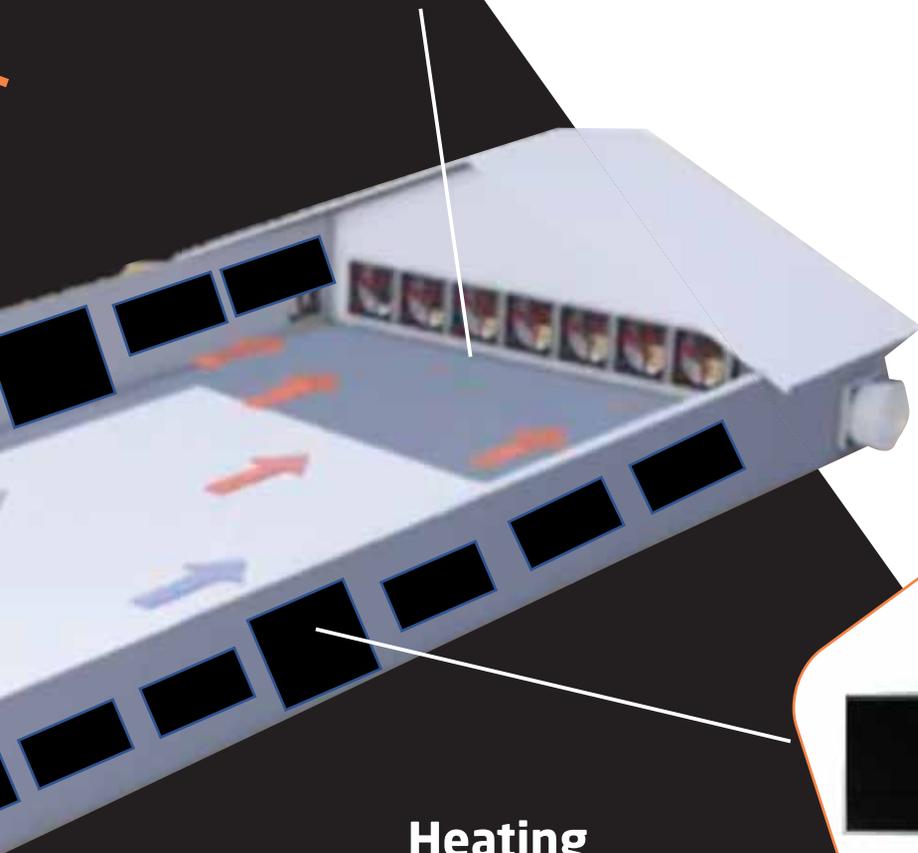


uses cooling panels with low pressure drip system in its poultry houses. The cooling pads inside the panels are made of water-resistant impregnated paper, which is used for cooling and humidification of indoor spaces, which can remain moist constantly.

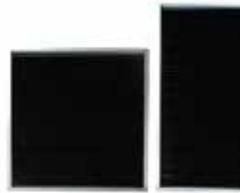
## Ventilation Fans



The essential component of ventilation are Fans. Depending on the size of your coop, the fans that allow the polluted air to be thrown out are activated with the help of sensors.



## Light Breakers



Light breakers are the most ideal equipment to reduce light entry through the passages where air flow is provided. It is especially used in breeding and egg production.

## Heating

### Fuel Boilers and Appliances

Ideal house temperatures have a significant impact on the health and performance of your chickens.

Adequate heating systems are therefore a necessity in many climate zones. The overall goal is to pass adequate air on to your chickens as in best conditions as possible to maximize thermal efficiency and keep energy costs as low as possible.



# Ventilation - Humidity & Cooling

We set up your coop with these products.



BF-WNT-011  
96\*96 Ventilation Fan



BF-WNT-012  
140\*140 Ventilation Fan



BF-WNT-013  
140\*140 Ventilation Fan



BF-BRE-017  
Light Blocker



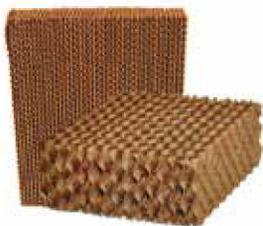
BF-BRE-015 Big  
Light Blocker



BF-BRE-016 Big  
Light Blocker



BF-BRE-018  
Cooling Pad Cover System



BF-WNT-019 /100\*60\*10 cm Kağıt  
BF-WNT-020/150\*60\*10 cm Kağıt  
BF-WNT-021/180\*60\*10 cm Kağıt  
BF-WNT-022/200\*60\*10 cm Kağıt  
BF-WNT-023/ 100\*60\*15 cm Kağıt  
BF-WNT-024/150\*60\*15 cm Kağıt  
BF-WNT-025/180\*60\*15 cm Kağıt  
BF-WNT-026/200\*60\*15 cm Kağıt



BF-WNT-016  
Cold Air Float

# Air Flow - Flap

We set up your coop with these products.



BF-WNT-003  
Air Inlet Without Spring  
Small Type



BF-WNT-001  
Air Inlet Small Type



BF-WNT-002 Air  
Inlet Long Type



BF-WNT-009 30  
mm Actuator



BF-WNT-008  
Motor with Reductor for Air Inlet



BF-WNT-006  
30 mm Actuator



BF-WNT-007  
50 mm Actuator

# Heating

We set up your coop with these products.

Ideal house temperatures have a significant impact on the health and performance of your chickens.

Adequate heating systems are therefore a necessity in many climate zones. The overall goal is to pass it on to your chickens as best as possible to maximize thermal efficiency and keep energy costs as low as possible.



Blown Solid Fuel Stoves

BF-HEA-001	200	000	Kcal	Stove
BF-HEA-002	300	000	Kcal	Stove
BF-HEA-003	400	000	Kcal	Stove
BF-HEA-004	500	000	Kcal	Stove
BF-HEA-005	Gas - Diesel Heater			



Apareys



BF-HEA-005 Heater ( CNG ) Oil & Gas

# Lightning

We set up your coop with these products.



# Automation

We set up your coop with these products.



Computer Connection



Remote Access

## General Specification :

- 1-Heating Control
- 2- Humid Condrol
- 3- Pressure Control
- 4- Inside and Outside Heating
- 5- Tunnel Fan
- 6- Mini Fan
- 7- Flap Control
- 8-Ped Pitch Control
- 9-Ped Pump Control
- 10-Dimmer Lighting Control
- 11-Lift System Check
- 12-Weighing System Control
- 13-Computer Connection
- 14-Remote Access
- 15-Alarm Systems
- 16-Engine Protection
- 17-Water Meter Reading
- 18-Touch Screen
- 19-Easy to Use

# Our Manufacturer Strength

our biggest advantage is our ability to develop our own designs in house and to meet your demands quickly, especially in drinking, feeding and suspension systems, by the ability of using approximately 900 different molds, thus good quality, durability and high stock of designs and items at hand.

We are proud of our motto cooperation, innovation and effectivity.

We have developed the most productive equipment in the poultry sector over the years, thanks to our closed relation with the Canadian Poultry Council out of which its members and our company have been sharing knowledge and experience since many years.





**While our manufacturing strength provides us flexibility in many issues, this Testing our strength in the world markets as well as in Turkey and being successful is one of the most enjoyable aspects of our job.**

**BIG**  **POULTRY  
EQUIPMENT**  
**FARM**

Konya Organize Sanayi Bölgesi Büyük Kayacık Mh.  
Güneştepe Sk. No:14/1 Selçuklu/KONYA/TÜRKİYE  
+90 332 501 42 92 | +90 501 144 79 89  
[info@bigfarmpoultry.com.tr](mailto:info@bigfarmpoultry.com.tr) | [www.bigfarmpoultry.com.tr](http://www.bigfarmpoultry.com.tr)