



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



[www.hizco.com](http://www.hizco.com)





[www.hizco.com](http://www.hizco.com)

# Who we are ?

Hizal Ltd. since its establishment in 1986, it has been operating in the field of poultry equipment production, sales and export, and since 1999 in the field of poultry installation and operation under the HizCo brand.

We developed our corporate identity as an international manufacturer by exporting our own products to many countries in the world market.

We have built our global exposure and experience in different geographical and climatic conditions with turnkey poultry house installations in countries such as Azerbaijan, Iran, Iraq, Peru and Algeria.

Nevertheless, our main priority is to keep our pioneer role with our in-house R&D team, who follow the scientific and technological developments and implement them in our own prototype poultry houses regarding all processes of poultry breeding, and to maximize our contribution to the Turkish Poultry market with our original designs furnished with innovative ideas.



# 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

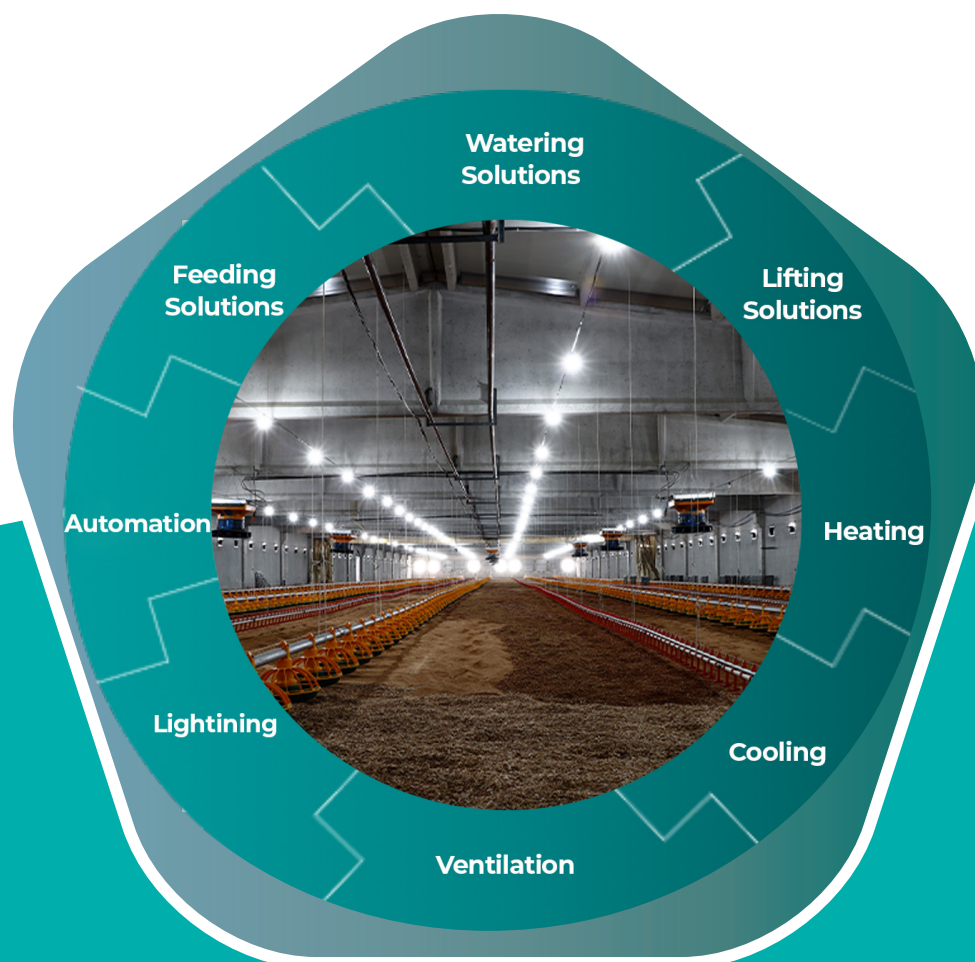
With our veterinary staff, we continue our support after sales and poultry house setup.





# Poultry House Design & Installation

Providing all the equipment and materials required for poultry house installation, **HizCo** 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)



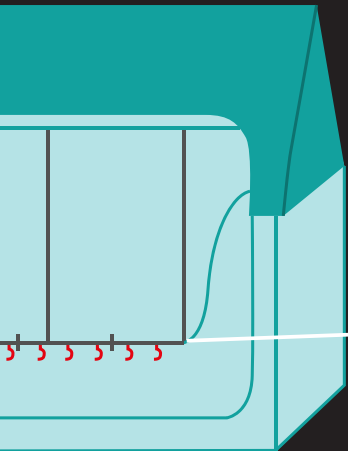
### Drinking Cup

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 Nipples

We set up your coop with these products.



HHC-WTR-001  
Stainless Gasket Type Nipple



HHC-WTR-002  
Classic Nipple (180°)



HHC-WTR-003  
Flex Nipple (360°)



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



HHC-WTR-005  
Screw - Metal (360°)



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



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



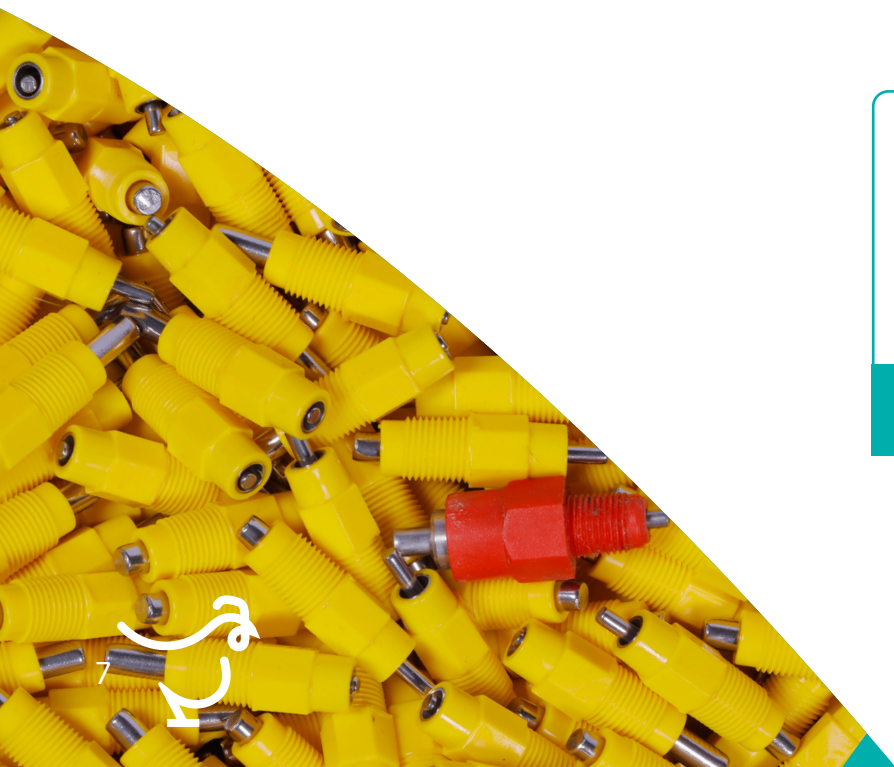
HHC-WTR-008  
Ball Type J Nipple (360°)



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



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





# Watering Solutions Irrigation

We set up your coop with these products.



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



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



HZC-WTR-021  
Drip Cup (22 mm)



HZC-WTR-022  
Drip Cup (22 mm)



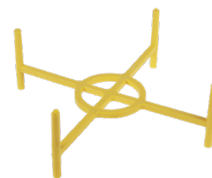
HZC-WTR-036  
Spring Drinker Cup



HZC-WTR-037  
Chick Drinker Bucket 5 It



HZC-WTR-038  
Chick Drinker Bucket 3 It



HZC-WTR-039  
Drinker Stand



HZC-WTR-042  
Strapped Drinker



HZC-WTR-054  
Lego Type Drinker



HZC-WTR-055  
L Recor

# Regulators

We set up your coop with these products.



HWC-WTR-011  
By - Pass Regulator



HWC-WTR-012  
Classic Model Regulator



HWC-WTR-013  
Classic B Regulator



HWC-WTR-014  
Slope Regulator



HWC-WTR-018  
End-Line Level Positioner



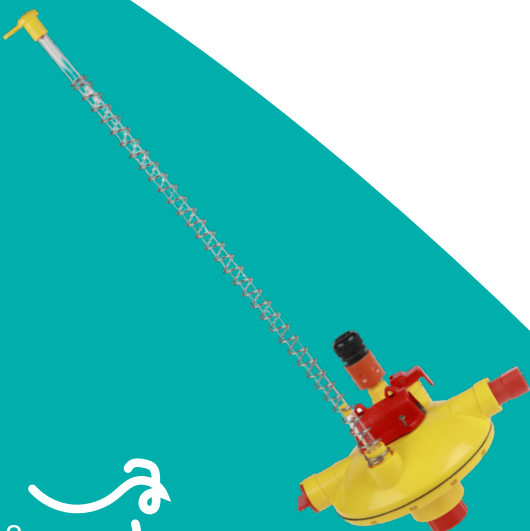
HWC-WTR-015  
End - Line Set



HWC-WTR-016  
End Line Rubber Piece



HWC-WTR-017  
End-Line Level Indicator





# Medicators

We set up your coop with these products.



HWC-WTR-040  
Water Tank & Float Set



HWC-WTR-041  
Float Set



HWC-WTR-043  
Mixer



HWC-WTR-044  
Dosing Pumps



HWC-WTR-045  
Water Control Panel



HWC-WTR-046  
Filter for Particles



HWC-WTR-047  
Lime Dust Filter



HWC-WTR-048  
Pressure Lowering



HWC-WTR-049  
Mechanical Water Meter



HWC-WTR-050  
Electronic Water Meter

# Connector

We set up your coop with these products.



HZC-WTR-051  
Square Connector



HZC-WTR-052  
26,4 mm Round Sleeve



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



HZC-WTR-023  
Below Joint - PVC



HZC-WTR-024  
Below Joint Clamps



HZC-WTR-027  
Square Saddle



HZC-WTR-028  
Round Saddle with Screw



HZC-WTR-029  
Round Saddle for J Nipple



# Connector

We set up your coop with these products.



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



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



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



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



**HZC-WTR-034**  
S Hanger 1/2



**HZC-WTR-035**  
S Hanger 3/4



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



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

# Spiral Feeding Solution

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

C

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 & C)

A

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

i

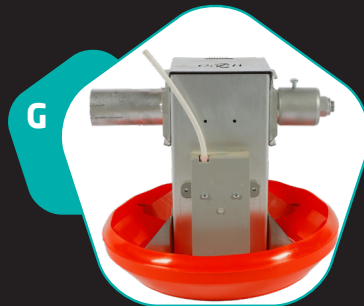
The lifting system, which allows you to adjust the height of the feeder line depending on the growth level of your chickens, is adjusted with the help of motor or manually (with a crane or chain hoist). ( Raised - lowered. ) ( i )



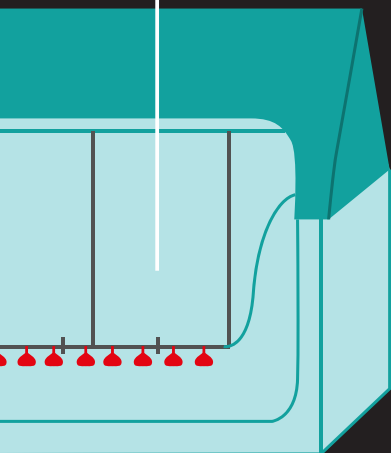
The feed is transported from the warehouse to the mangers with the spiral (E) inside the galvanized pipe (channel - D). The feeder system can work up to 150 meters depending on the quality of the spiral.



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.



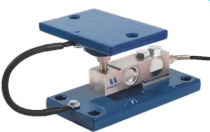
## Premix Scale



## Junction Box



## Loadcell & Mounting Kit



## Scale Indicator



## External Display



# Feeding System

We set up your coop with these products.



HZC-FD-001  
Pan Feeder ( Espoleta )



HZC-FD-002  
Pan Feeder



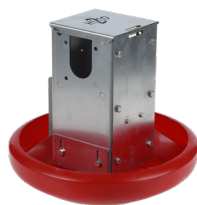
HZC-FD-003  
Pan Feeder ( Modern )



HZC-FD-004  
Feeding Tank 90 kg



HZC-FD-005  
Feeding Tank 150 kg



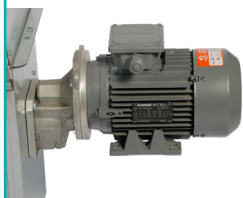
HZC-FD-006  
Feeder End Line



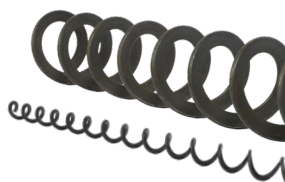
HZC-FD-007  
Feeder Mid -Line Stopper



HZC-FD-008  
Feeder End line Shaft



HZC-FD-009  
Feeder Motor



HZC-FD-010  
Feeder Spiral



HZC-FD-011  
Mechanic Switch



HZC-FD-012  
Electronic Sensor - Switch



# Feeding Solutions

We set up your coop with these products.



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



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



HZC-FD-015  
Feeder Pipe Clemence



HZC-FD-016  
Feeder Pipe Extension



HZC-FD-017  
Chick Feeder 2,5 kg



HZC-FD-021  
Feeder End-Line Plate



HZC-FD-019  
Tray Feeder



HZC-FD-020  
Manuel Feeder



HZC-FD-022  
Reductor for Feed Line





# Feeding Solutions

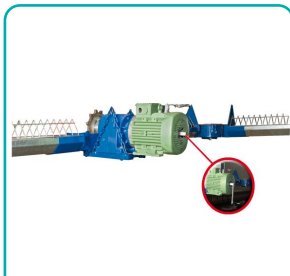
We set up your coop with these products.



HZC-BRE-011  
Channel Feeder and Grill



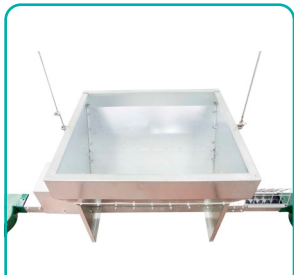
HZC-BRE-005  
Chain



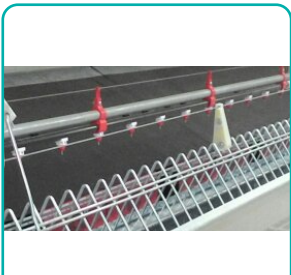
HZC-BRE-003  
Feeder Motor



HZC-BRE-006  
Channel Corner



HZC-BRE-004  
Feeder Tank - Above Channel



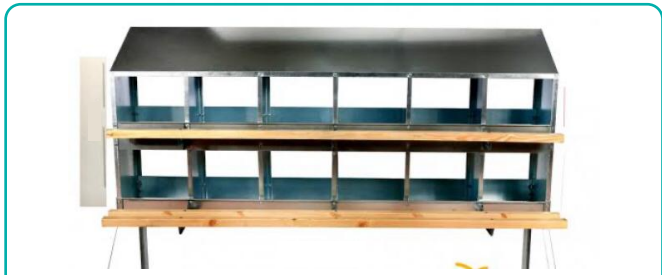
HZC-BRE-009  
Channel Grill



HZC-BRE-007  
Channel Feeder Hanger



HZC-BRE-024  
Spin Feeder



HZC-BRE-002  
Manuel Nesting Box

# Lifting Solutions

We set up your coop with these products.



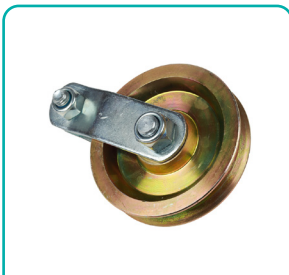
HZC-LFT-001 / 005



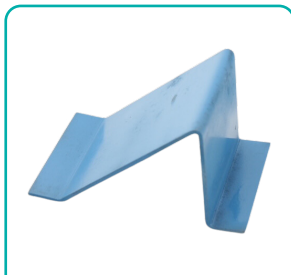
HZC-LFT-006  
40 mm Corner Pulley



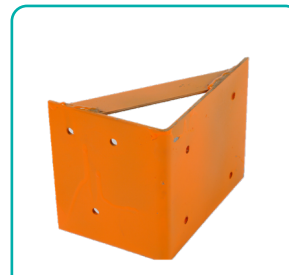
HZC-LFT-007  
40 mm Corner Pulley



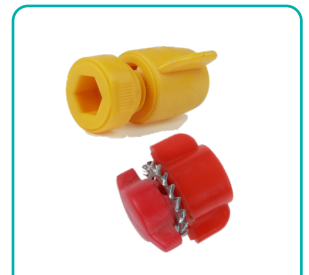
HZC-LFT-008  
70 mm Corner Pulley



HZC-LFT-009  
Winches (for 1200 lb )



HZC-LFT-010  
Winches (for 2000 lb)



HZC-LFT-011  
Plastic Klemens



HZC-LFT-012  
Metal Clamps



HZC-LFT-013  
Metal Clamps



HZC-LFT-014  
20 mm Pulley



HZC-LFT-015  
40 mm Pulley



# Lifting Solutions

We set up your coop with these products.



HZC-LFT-016  
60 mm Pulley



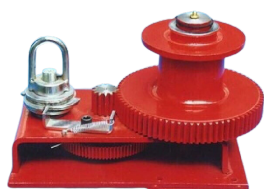
HZC-LFT-017  
1200 lb Manuel Vinch



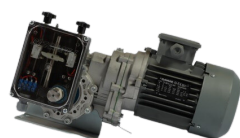
HZC-LFT-018  
Winches 2000 lb



HZC-LFT-019  
1500 kg Winches



HZC-LFT-020  
Winches 3500 kg



HZC-LFT-021  
Watering Line Lifting Motor



HZC-LFT-022  
Feeder Line Lifting Motor



HZC-LFT-023  
3 mm Cord



HZC-LFT-024  
4 mm Cord



HZC-LFT-025  
Metal Cord Slider



HZC-LFT-014  
Plastic Cord Slider



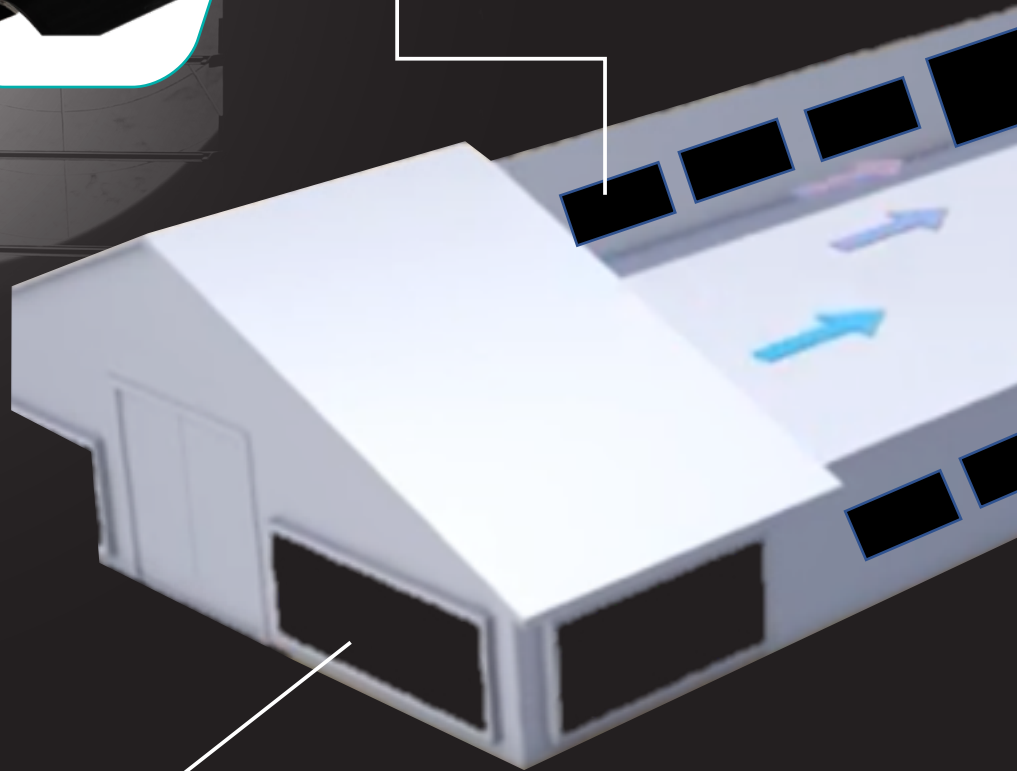
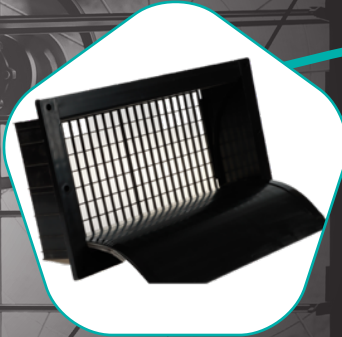
HZC-LFT-026  
Aluminum Cord Slider



# 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

HizCo 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.



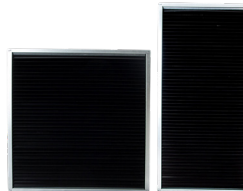


## Ventilation Fans



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.



HZC-WNT-011  
96\*96 Ventilation Fan



HZC-WNT-012  
140\*140 Ventilation Fan



HZC-WNT-013  
140\*140 Ventilation Fan



HZC-BRE-017  
Light Blocker



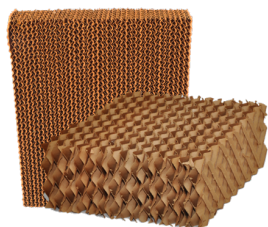
HZC-BRE-015  
Big Light Blocker



HZC-BRE-016  
Big Light Blocker



HZC-BRE-018  
Cooling Pad Cover System



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



HZC-WNT-016  
Cold Air Float



# Air Flow - Flap

We set up your coop with these products.



HWC-WNT-003  
Air Inlet Without Spring  
Small Type



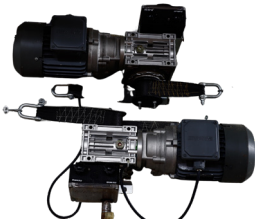
HWC-WNT-001  
Air Inlet Small Type



HWC-WNT-002  
Air Inlet Long Type



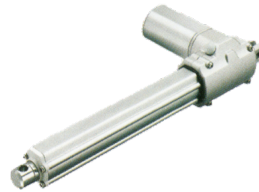
HWC-WNT-009  
30 mm Actuator



HWC-WNT-008  
Motor with Reductor for Air Inlet



HWC-WNT-006  
30 mm Actuator



HWC-WNT-007  
50 mm Actuator

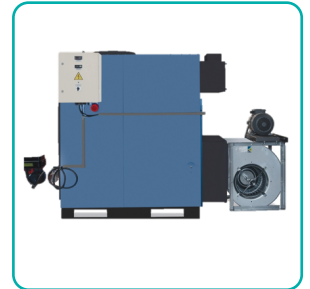
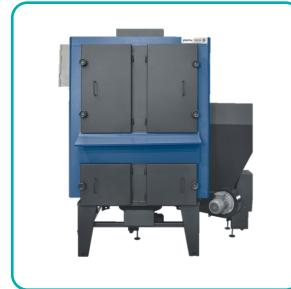
# Heating

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



Blown Solid Fuel Stoves



Apareys



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



# Lightining

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

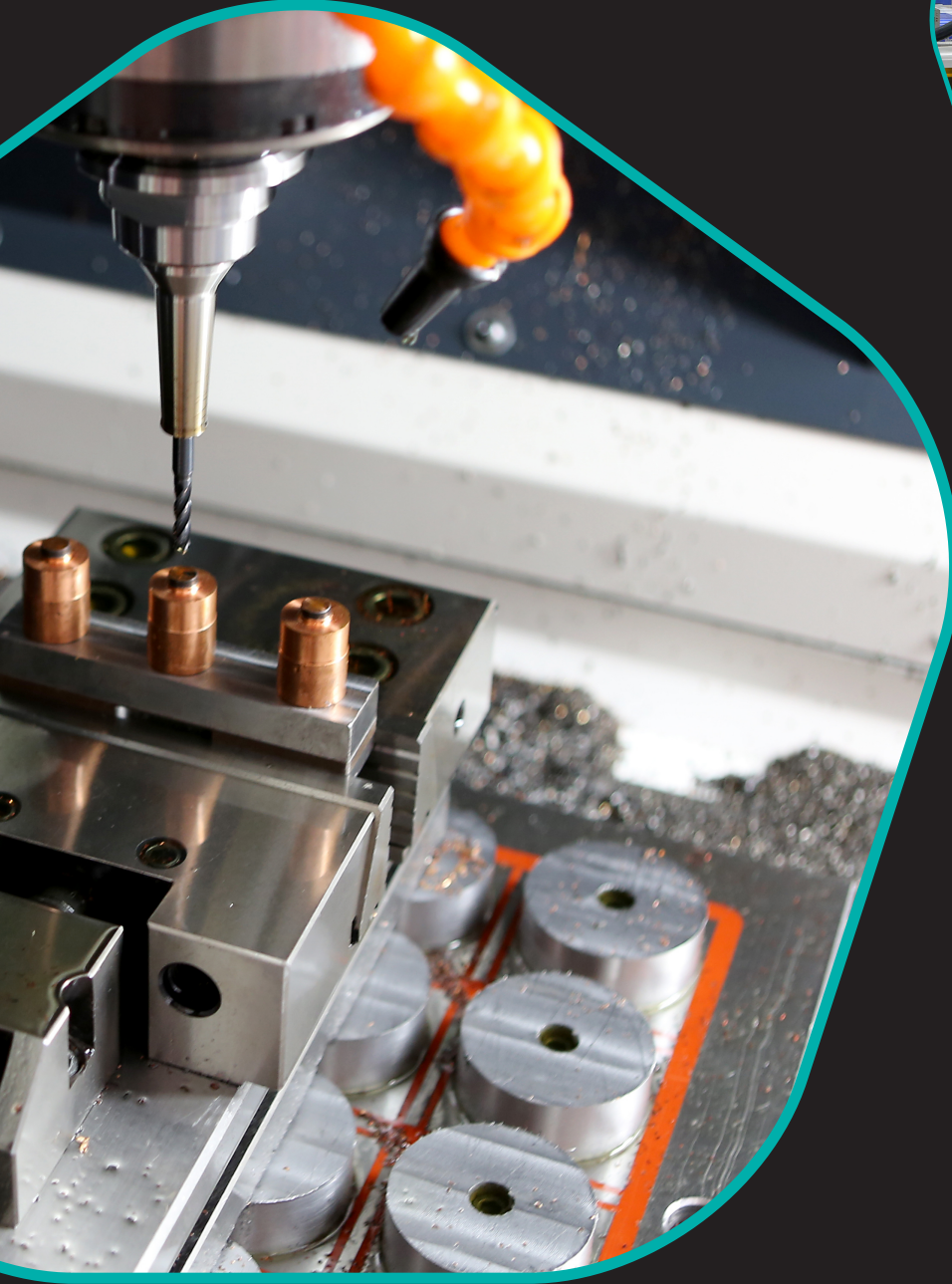
As HizCo, our biggest advantage is our ability to develop our own designs in house and to meet your demands quickly, especially in drinking, feeding and suspension systems, by the ability of using approximately 900 different molds, thus good quality, durability and high stock of designs and items at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

[www.hizco.com](http://www.hizco.com)



**HIZCO - HIZAL KÜMES EKİPMANLARI KİMYEVİ MADDELER SAN. ve DİŞ TİC. LTD. ŞTİ.**

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