



DUCK FARMING

CAGE EQUIPMENT

TEXHA.COM



EQUIPMENT MODELS



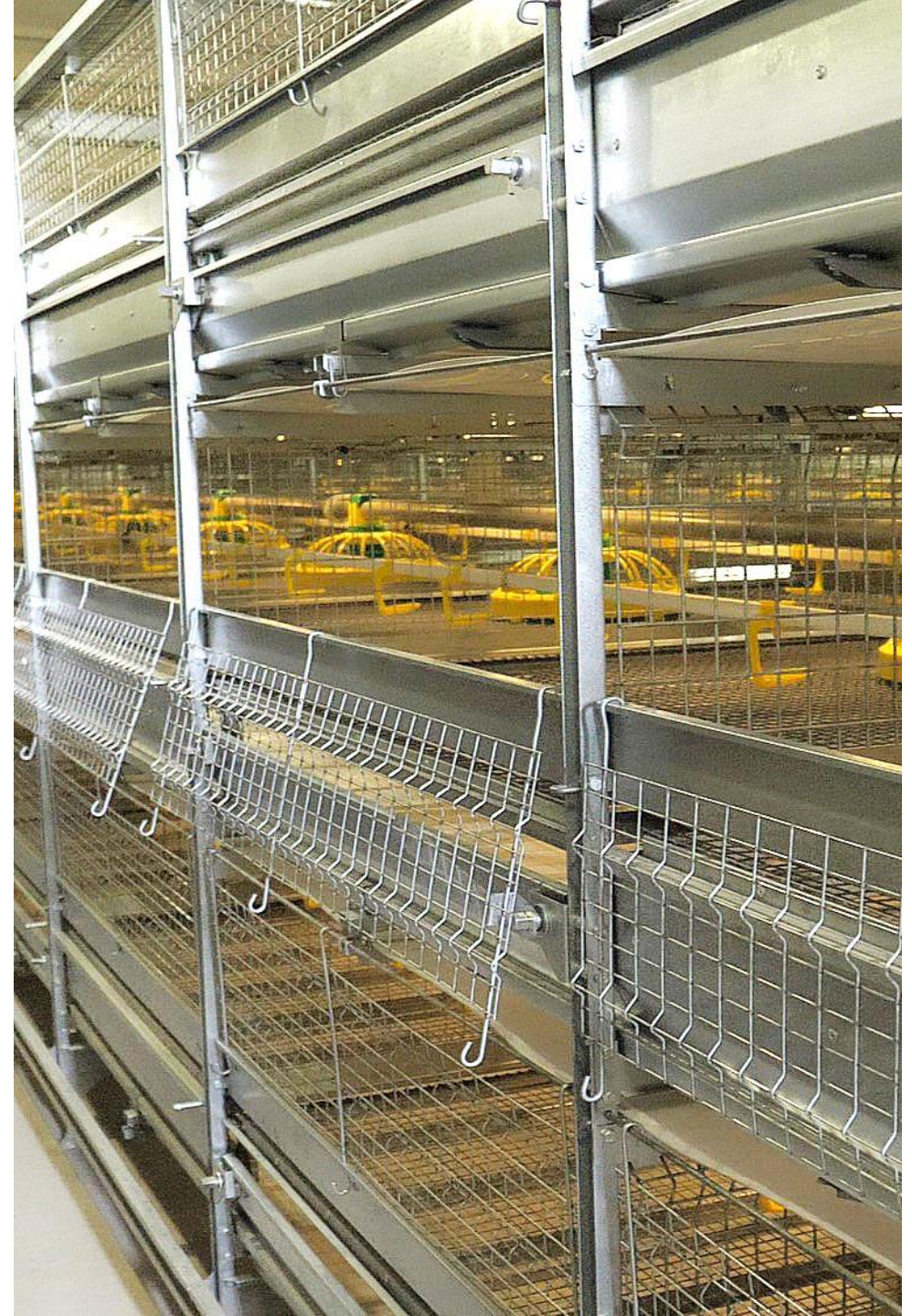
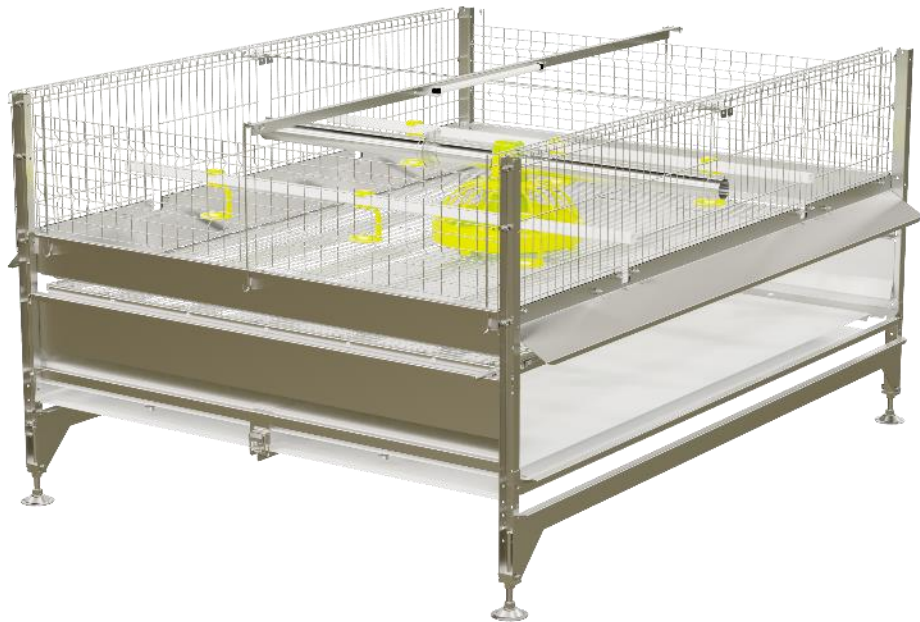
ROBOT



AUTOMAT

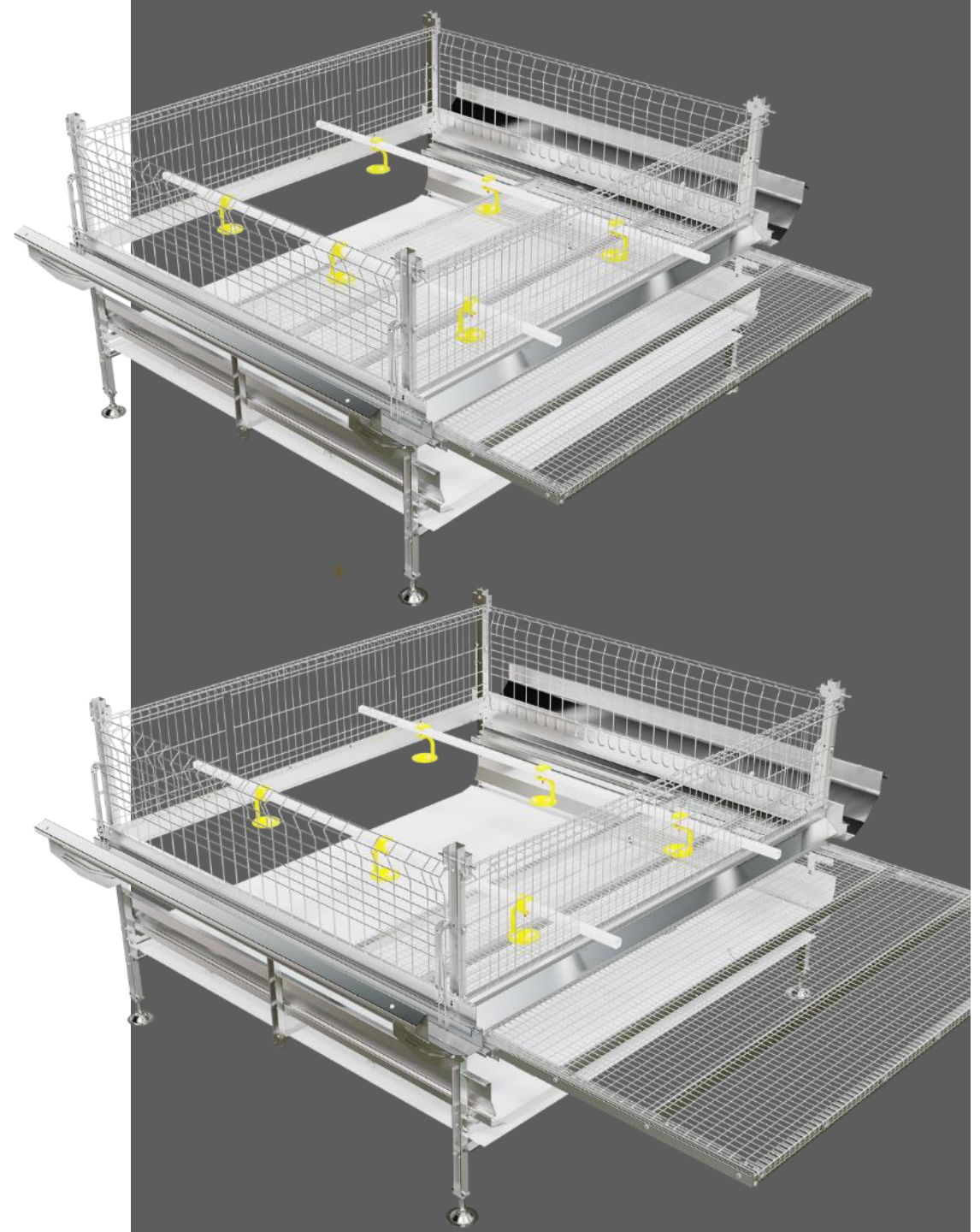
Technical specifications

Cage width, mm	1 200
Cage depth, mm	1 608
Facade height, mm	583
Distance between levels, mm	709
Cage area, sq.m	1,93
Number of birds per cage	30
Floor area per bird, sq.cm	643,2





AUTOMATED poultry harvesting process using conveyor belt and manually operated floor shift system

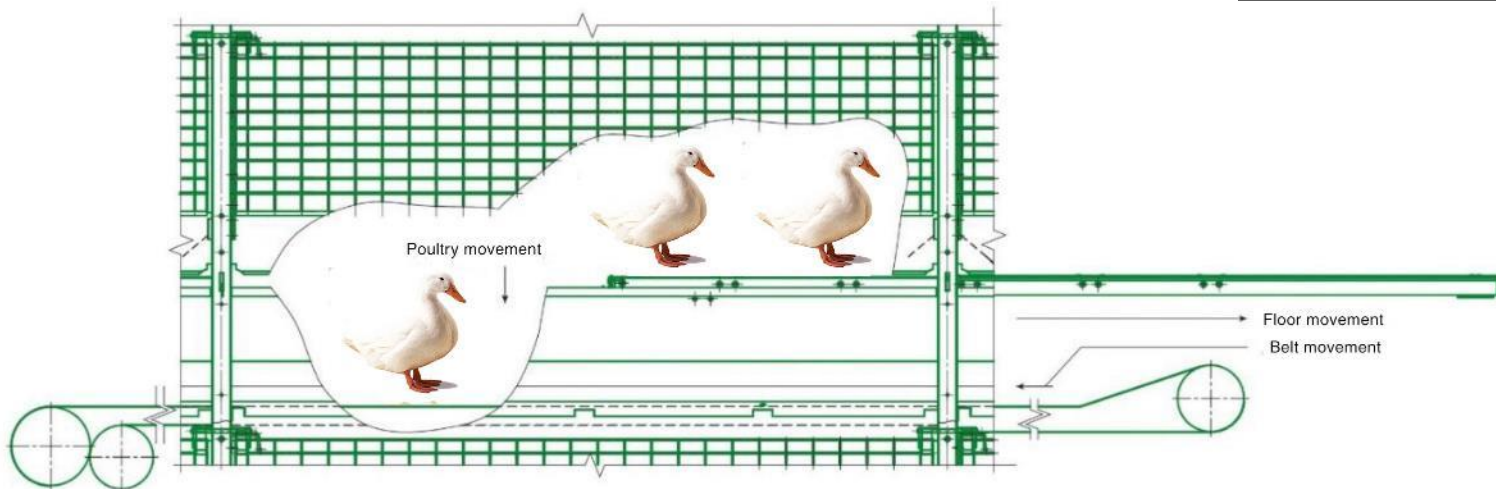


Poultry harvesting process proceeds using the preliminary cleaned litter removal belt. The cage floors are shifted along the batteries, and the birds arrive at the conveyor belt carrying them to the loading table for packing into crates.

ROBOT

In robotized system the poultry harvesting process proceeds without involvement of the facility personnel, which reduces poultry stress, improves injury rate, saves labor and productions costs.

- Ability to set and adjust the harvesting process performance
- Labor cost saving
- Elimination of human factor influence
- Expedited and easily manageable harvesting process
- Enablement of uninterrupted logistic processes
- Reduced bird injury rate
- Improved quality of final product
- Easy maintenance



SIRIUS POULTRY HARVESTING TABLE

Improves performance of the poultry harvesting process, where the poultry is unloaded from the cage batteries for further handling for slaughter.

Shape, dimensions and operational mechanism of SIRIUS table contribute to the poultry harvesting process improvement. SIRIUS table surface rotates with the set speed in order to prevent bird injury during reception and ensure comfortable operation rate for personnel involved.



LITTER REMOVAL SYSTEM

Full process automation

The solution use the belt-based litter removal technology, which ensures quick and reliable litter removal from all levels.

- Metal materials with high corrosion resistance
- Hot dip galvanization of conveyor surface
- Polypropylene belt
 - ✓ Manufactured by TEXHA
 - ✓ Top-tier raw materials
 - ✓ High quality
 - ✓ Tested at internal laboratory
 - ✓ Quality control



DRINKING SYSTEM

This reliable, efficient and easy-to-use drinking system consists of a water treatment unit, a water distribution system and drinking lines at every level.

- Water treatment unit: filter, flow meter, medicator, pressure gauges, valves and fittings
- Nipples moveable up and down and rotatable by 360°
- High-quality assembly and line connection sealing
- Easy adjustment of drinking line height
- Free access to water even for day-old chick



FEEDING SYSTEM

Automated feedbox filling system allows programming of the feeding parameters and precise adjustment of feed distribution. The replenishment sensor measuring the feed fill-up of entire line is installed in the last cell feedbox.

Advantages

- Continuous availability of feed for birds.
- Fast feed distribution across all battery levels.
- Low energy consumption of feed distribution process.
- Easy and reliable design.
- Ability to adjust the feed quantity in the feedbox depending on the age of birds.

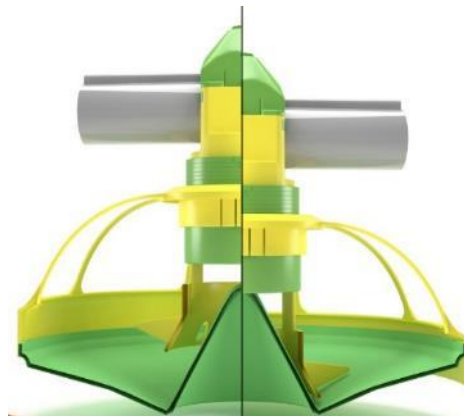
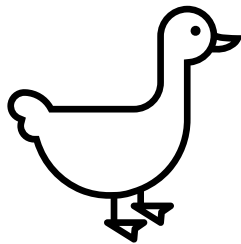
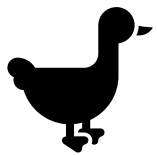


FEEDBOX KoChiBo

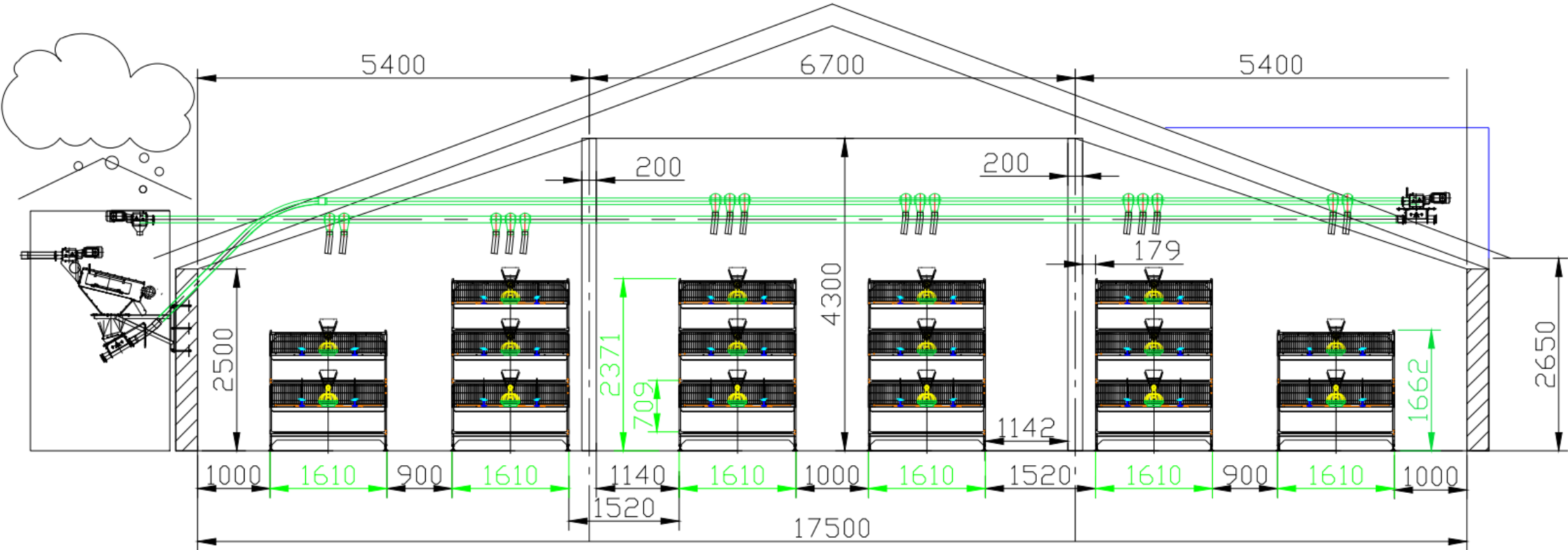
Use of **multi-purpose KoChiBo** feedbox is a key to successful birds fattening. This feedbox has been specifically designed for meat business and adapted for cage farming method.

Two adjustment systems

- Feed level adjustment
- Feed volume adjustment



TYPICAL PROJECT



LIGHTING SYSTEM

- Use of **LED lamps** with energy consumption
 - **10 times** lower as compared to the filament lamps
 - **2,5 times** lower as compared to the luminescent lamps
- Lighting intensity adjustment in 0-100% range for sunrise / sunset functions
- Compliance with the international environmental requirements
- High level of protection against external impacts
- Warranty and post-warranty service



MICROCLIMATE

The microclimate system may consist of the one to four following sub-systems in various combinations:

- Ventilation
- Heating
- Humidification / cooling
- Automation

Ventilation system by TEXHA:

- High performance
- Energy efficiency
- Low noise level
- Durability of equipment
- Reliability and cost effectiveness

