



EGGWAY – The egg conveyor

Index

1. Company introduction – FLEXY Srl
 2. Product presentation - EGGWAY
 3. Main advantages comparing the similar products in the market (e.g LUBING)
 4. Some pictures of projects managed
 5. Other products from FLEXY
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1. Company presentation – FLEXY Srl

FLEXY is an **Italian company** and its headquarter is located in the Venice area, north-east of the country.

This area has been for years one of the most active areas on the poultry technologies development, where many companies started their activities, introducing in the market new ideas and solutions. In this panorama, FLEXY represents one of those that provided a positive impact to all the business.

The company was founded officially in **1998**, but its production can be related to some years before.

After some years of success in the national market, the company moved the first steps outside Italy and it quickly received positive responses from the international market. This drove the strategy of the company towards new challenges and new goals to reach that have changed its identity.

Nowadays FLEXY is a **market leader on egg collection and egg transportation business**. The systems developed in our factory are synonymous of **quality, versatility and reliability**, what is letting us to be considered an excellent solution for every poultry farm.

2. EGGWAY – the egg conveyor

EGGWAY is the FLEXY egg conveyor with a special belt unlike any other on the market.

Its belt indeed, consists of two calibrated, hardened outside chains, joined together by an endless loop, welded over for about 2 cm on both sides.

Component structures are in stainless steel and/or aluminium combined with plastics.



2. EGGWAY – the egg conveyor

This conveyor can be easily adapt to the specifics conditions of the different project, in terms of dimensions and materials.

There are different width available, starting from 300mm up to 800mm. The dimension of the conveyor determinates the capacity, that can reach with the bigger model around 85000 eggs/hour.

The drive unit of the conveyor can be adjust following the specific request of the customers, anyway the higher speed normally provided is 6,5 m/min.

The chain, that normally comes in galvanized metal, can be also provided in stainless steel, to avoid any problem of oxidation. The standard chain however, is deeply galvanized and can guarantee anyway a long lifetime of the product.



2. EGGWAY – the egg conveyor

We have different types of chain available:

N – standard (for flat surface)

HS – high slopes (special chain that can rise slopes up to 24°)

VHS – very high slopes (special chain that can rise slopes from 25° to 40° and more)

All the conveyors can be provided with covers and all the necessary legs, if required. The product also comes with oilers (based on the length of the circuit) and egg counters (if requested from the customer).

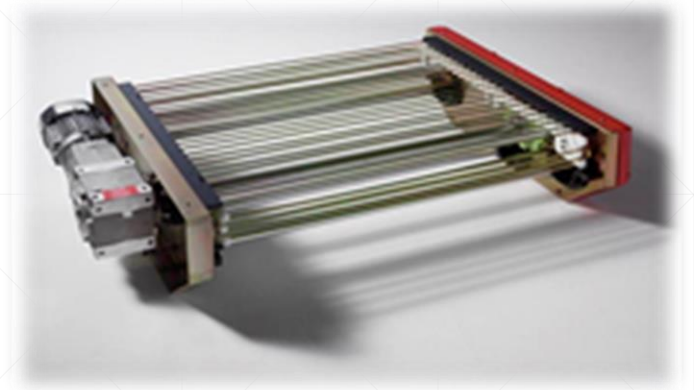
We can manage easily bends up to 180°.



2. EGGWAY – the egg conveyor

The end drive units normally provided comes with these following motors:

- **Standard motor:** speed 5 m/min;
- **Faster motor:** speed at 6,5 m/min with 50Hz;
speed at 7,8 m/min with 60Hz;
- **Motor with inverter:** the speed can vary between 5 and 8 m/min, working on different frequencies (40÷65Hz).



The use of a faster motor can let us increase the capacity of the egg conveyor and the egg collection time (that have to be consider also based on the capacity of the egg packer /grader machine). At the same time, the inverter will give the chance to the customer, to have an higher flexibility on its use but at an higher cost.

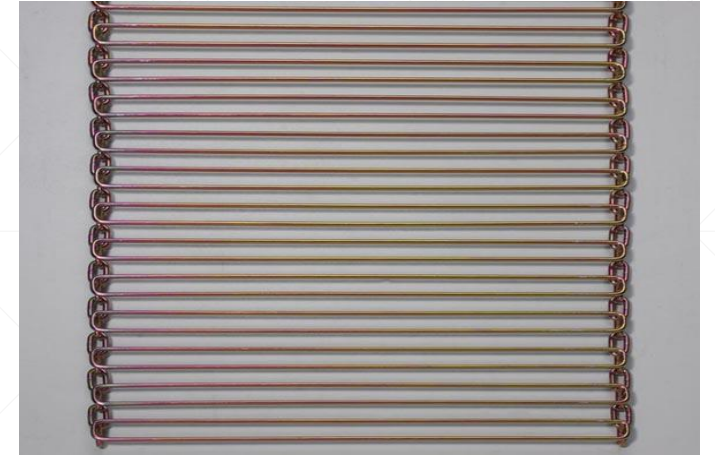
3. EGGWAY – main advantages

- **Chain welding:** it is for sure one of the strenght points of our product, considering the poor attention that some companies give to this particular process. The welding, completely automatic to guarantee a uniformity of the process is of about 2 cm against the single point of welding of many competitors. This extend for sure the lifetime of the chain (estimated in more than 20 years).
- **Plastic gear wheel on the drive unit:** this is also a key feature of our conveyer in order to preserve the chain and avoid to damage it (on the picture the gear wheel of Lubing).
- **Complete pulling gear wheel:** our gear wheel pulls the chain all around it, guaranteeing a balance traction of the chain without any problem also when it is completely loaded (the Lubing one only on one side).



3. EGGWAY – main advantages

- **Gap between the bars:** this is also something interesting to consider on the decision of the egg conveyor. This because our egg conveyor can offer a smaller gap between the bars (27mm), compared to others available in the market (Lubing is 32mm), due the higher number of bars used on the chain. In this way is possible to transport eggs that sometimes are smaller than the standard eggs and let them reach safely the egg packer machine.
- **Flexible products:** any single project can be customized in order to fit with the specifications of the farm. The conveyor can be always extended or modified following the development of the plant and our technicians are focused on finding the best solutions.



4. EGGWAY – some pictures of internal installations



4. EGGWAY – some pictures of external installations



5. Other products available in FLEXY

- Lifter
- Chain washer
- Broiler Way
- Eggs Tables
- Automatic and manual nests
- FMDS (FLEXY manure drying system)





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