




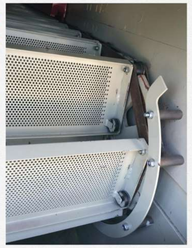

Risk analyses have been conducted in terms of job security, and necessary protective measures have been added. (Emergency stop mechanisms, protective railings, protective covers, entrapment sensors)

%100 Chicken Manure-Sourced Heating System

Sample scheme for stoker-fired hot water boiler that gains energy by burning chicken manure dried by itself.

New Generation Fertilizer Drying System

A: İstasyon Mah. İzmir - İstanbul yolu üzeri 3 km No: 29 Saruhanlı | Manisa
P: +90 236 357 2212 (pbx) **F:** +90 236 357 2292
A: Atatürk Cad. No: 376 / 7 Alsancak | İzmir
P: +90 232 421 1018 (pbx) **F:** +90 232 421 3292
E-Mail: teknoloji@gures.com.tr

guresteknoloji.com.tr /guresteknoloji /company/guresteknoloji

GÜRES TECHNOLOGY

GÜRES TECHNOLOGY

About us;

Güres Group is the largest fully-integrated egg production facility of Turkey since 1963, that is operating under the same roof. Thanks to its investment in Organic Fertilizer Facility in 1989, Güres Group continues to granulate or pelletize fertilizers obtained from chickens and supply them in sacks to the market in order to meet the needs of agriculture and greenhouse sectors.

Established in 2002, Güres Technology has become a brand that creating its own standards, by combining its practical sectorial knowledge passed down from Güres Group, thanks to innovative works carried out by R&D engineers.

Customer satisfaction is always the top priority for Güres Technology that exports to several countries across 5 continents. Assembly, service and after-sales maintenance of products sold are all carried out by Güres Technology's professional technical staff both in Turkey and around the world.

Güres Technology is proud to announce its new product Horizontal Fertilizer Drying Machine following other products; Layer Cage, Enriched Layer Cage, Breeder Cage, Broiler Cage, Quail Cage, Chick Rearing Cage systems that are all produced using its own patent.

Güres Technology will continue to invest in product development projects by using top-level engineering and technology in a R&D systematic in a collaboration with TUBITAK (THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY) and Universities in order to provide alternative solutions to poultry sector problems.

Put an end to fertilizer-borne diseases!

When the fertilizer is thrown out on soil without processing and drying, underground waters, natural sources and the atmosphere are polluted. Besides, bacteria growing in an uncontrolled way due to environmental conditions produce unpleasant smell.

In this regard, Güres Technology has developed a new generation manure drying system designed in a modular structure that provides high energy efficiency and that is customizable according to climate conditions, capacity and customer-specific needs.

Güres Technology focused on R&D studies since 1989 for drying and processing manure, which is one of the most important problems of poultry companies and became much more significant according to new legislative regulations and biosecurity concerns.

We carry it far, far away!
The system works by using a pressure chamber composed of its own fans that are separated from poultry fans in order to provide air flow and it eliminated the necessity to install them attached to poultry fans within farm.

We prevent manure-borne diseases by installing drying machine far away from coops thanks to new generation conveyor systems that carry out the manure to the drying machine location.

The new generation drying technology features the followings;

- It eliminates formation of ammonia by preventing bacterial growth thanks to high air speed.
- We provide odorless drying by preventing ammonia outlet.
- A fertilizer with high calorific value showing no decrease in nitrogen, carbon and hydrogen when compared to dried fertilizer by fermentation.
- The fertilizer obtained are conveniently used as a source of energy in various heating systems.
- The fertilizer could be dried at a humidity rate appropriate for being pelletized and granulated, therefore it ensures a commercial profit.
- The drying system could be produced in a modular structure according to different customer needs and climate conditions.
- It provides energy and labor profit in operating costs by completing the drying process within 24 hours.

Technical Specifications

- System's heating energy could be provided by steam or hot water.
- System is completely made of corrosion-resistant material.
- It is appropriate to load fertilizer on trays up to 15-18cm.
- Loading and unloading are carried out by new generation conveyor systems.
- Dryer's industrial structure allows the equipment to be used without any external interference.
- System could operate fully automatically.
- It is possible to select a radiator according to cold climate conditions.

Number of dryer stages	Tray length	Dryer length	Dryer surface area	Capacity	Number of animals
6	2m	10 m	120 m²	13.5 ton / day	77.000
6	2m	20 m	240 m²	27 ton / day	154.000
6	2m	30 m	360 m²	40.5 ton / day	231.000
6	2m	40 m	480 m²	54 ton / day	308.000