



## Poultry Chicken Manure Fertilizer Drying Equipment Rotary 30kw

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: TONGDA
- Certification: ISO,CE
- Model Number: TDHG-1010
- Minimum Order Quantity: 1
- Packaging Details: According to customer requirements
- Delivery Time: 5-10 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 50 units per month



### Product Specification

- Product Name: Chicken Manure Dryer Machine
- Raw Material: Chicken Manure, Poultry Manure, Sludge, Fermented Soybean Meal
- Application: Organic Fertilizer, Compost, Sludge Treatment
- Early Moisture(%):  $50 \pm 5\%$
- Drying Temperature ( $^{\circ}\text{C}$ ):  $350 \pm 30^{\circ}\text{C}$
- Power: 30kw
- Highlight: **Poultry Chicken Manure Fertilizer Drying Equipment**  
**, 30kw Fertilizer Drying Equipment,**  
**Poultry Chicken Manure Fertilizer Dryer**



## Product Description

### Poultry Chicken Manure Rotary Dryer Machine Organic Fertilizer Drying Machine

Chicken Manure Drying Plant is suitable for chicken manure, cow dung, feces organic fertilizer, sludge, bean dregs, starch residue, sauce residue, sprayed corn kernels, cassava residue, beer distiller's grains, lees, straw, pasture and other 50-85% moisture content of material drying. All of our drying process technology according to the characteristics of each biomass material, the size of production, the application requirements, the cost control, the degree of automation, the site conditions etc.

Model	Power (kw)	Reducer Model	Intake Temperature (degree)	Installation Angle (degree)	Rotary Speed (r/min)	Output (t/h)
TDHG-0808	5.5	ZQ250	above 300	3-5	6	1-2
TDHG-1010	7.5	ZQ350	above 300	3-5	6	2-4
TDHG-1212	7.5	ZQ350	above 300	3-5	6	3-5
TDHG-1515	11	ZQ400	above 300	3-5	6	4-6
TDHG-1616	15	ZQ400	above 300	3-5	6	6-8
TDHG-1818	22	ZQ500	above 300	3-5	5.8	7-12
TDHG-2020	37	ZQ500	above 300	3-5	5.5	8-15
TDHG-2222	37	ZQ500	above 300	3-5	5.5	8-16
TDHG-2424	45	ZQ650	above 300	3-5	5.2	14-18

#### Below is Working Principle:

**Material Flow :** 75-85% moisture content of the material fed into the special dehydration machine, the water removed to about 65% through the screw conveyor into the mixing drum dryer to downstream drying. Flights pick up material, carry it over, and shower it through the air stream as the drum rotates, promoting maximize efficiency of heat transfer between the material and drying air. The rapid evaporation of water vaporization, to achieve the effect of drying materials in the hot air under the rapid flow of the drum. The rotary drum dryer gives material a chance to dry before it hits the next flights, in order to prevent buildup near the wet material discharge. Drum cleaning device is installed inside of the drum to prevent the material sticking issue.

**Air Stream Flow :** The air through the air blower increase pressure into the hot air furnace to heating, when the temperature reached to 600-850°C, the hot air will be into dryer to drying wet material and evaporation water by induce draft fan. Through three-layer heat transfer, the air temperature reduces to 55-65°C and then discharge from dryer. The dust and moisture are purified trough the cyclone dust collector and wet dust collector.

#### Fertilizer dryer process flow:

Raw materials → feeding machine → heat source → dryer → discharge machine → induced draft fan → cyclone unloader → water bath dust removal and odor removal device → exhaust gas discharge and distribution cabinet composition.



#### FAQ:

##### **Q: Can I use this production line to produce multi granularity particles?**

Yes, our production line is multifunctional. We can customize ring moulds of different sizes. In this way, you can easily adjust the size of your ball.

##### **Q: I know little about the fertilizer production line. How to choose the most suitable machine?**

Just tell us your raw materials, capacity (tons / hour) and the size of the final particle product, and we will choose the machine for you according to your specific situation.

##### **Q: Our workers don't know how to operate the production line. What should I do?**

Our engineers will guide on-site workers on how to install machines and build workshops. Then, our engineers will test the production line on site and train your workers how to operate it.

##### **Q: Are you a trading company or a manufacturer?**

We have a large factory in Jiaozuo, China, covering an area of 10000 square meters. Welcome to visit.

##### **Q: What's the Production Period of the Fertilizer Machine?**

For single fertilizer machine, our production time is 7 days; and for whole fertilizer production line, our production time is no more than 30 days.

##### **Q: What's the Quality Guarantee and Certifications?**

all of our machine have passed ISO and CE certification, we can guarantee the highest quality and our warranty time is 5 years after shipment date.



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