



## High Productivity Wet Type Chicken Manure Organic Fertilizer Disc Granulator Machine

Our Product Introduction

for more products please visit us on [organicfertilizerequipment.com](http://organicfertilizerequipment.com)

### Basic Information

- Place of Origin: China
- Brand Name: TONGDA
- Certification: ISO, CE
- Model Number: TDYZ-1500
- 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: 100 units per month



### Product Specification

- Product Name: Disc Granulator Machine
- Usage: Making Fertilizer Granules
- Application: Fertilizer Pellet Making Machine
- Turning Speed: 21r/min
- Voltage: 380V
- Capacity: 1-10ton/h
- Advantage: Widely Usage
- Highlight: **Organic Fertilizer Disc Granulator Machine , Wet Type Disc Granulator Machine**



## Product Description

### High Productivity Wet Type Chicken Manure Organic Fertilizer Disc Granulator Machine

The disc granulator, also known as the ball disc, can be used for various dry powder granulation and wet powder granulation. Wet granulation has a good effect and should be preferred. The granulation plate has three discharge ports, which facilitate intermittent production operations, greatly reducing labor intensity and improving labor efficiency. The reducer and motor are driven by flexible belts, ensuring smooth starting, reducing impact force, and improving equipment service life. The bottom of the granulation plate is reinforced with multiple radiating steel plates, which are sturdy, durable, and never deform. The thickened, weighted, and sturdy base design eliminates the need for anchor bolts for stable operation.

The inclination angle of the disc granulator is generally adjusted within the range of 35-55 degrees, and the speed is generally 10-18 r/min. If the angle is too large and the dwell time is long, the particle size will be larger. If the angle is too small and the dwell time is short, the particle size will be smaller. It can be adjusted according to the situation during the production process.

The factors affecting the disc granulator mainly include disc diameter, disc cleaning, disc edge height, rotational speed, urine spraying position, scraper position, etc.

#### Working Principle:

By adding water raw material powder can mix evenly, then being transported into the disk; as the rotation of disc, material inside gradually formed globular by rolling; After achieving the predetermined diameter, the granulation will be out of the pan to the next procedure again.

#### Characteristics of Performance:

- 1.High efficiency.
- 2.Long service life.
- 3.The plates are reinforced with a number of radiant steel plates, which are durable and never deformed.
- 4.The main gear of granulator adopts high frequency quenching technology, and its service life is doubled.
- 5.There is high strength fiberglass in the granulation pan making the machine durable.
- 6.Uniform granulation, high granulation rate, stable operation, durable equipment and long service life.

#### Parameters of disc granulator:

Model	Diameter of Disc(mm)	Edge Height(mm)	Rotary Speed(r/min)	Motor Power(kw)	Capacity(t/h)
TDYZ-500	500	200	32	0.55	0.02-0.05
TDYZ-600	600	280	33.5	0.75	0.05-0.1
TDYZ-800	800	200	21	1.5	0.1-0.2
TDYZ-1000	1000	250	21	1.5	0.2-0.3
TDYZ-1200	1200	250	21	1.5	0.3-0.5
TDYZ-1500	1500	300	21	3	0.5-0.8
TDYZ-1800	1800	300	21	3	0.8-1.2
TDYZ-2000	2000	350	21	4	1.2-1.5

#### Advantages of disc granulator:

1. The rate of pellets is higher and little recycle.which make it more efficient in making granules.
2. Disc granulator requires less maintenance and have fewer parts that need placing.
3. It can be used widely for many industries,such as chemical industry,mining industry and agricultural industry.



#### FAQ:

##### 1. Are you trading company or manufacturer ?

We are a manufacturer with a history over 40 years and have realized one-stop service for design, manufacture, installation, debugging and technical training.

##### 2. How long is the delivery time?

For standard machines or Components, it would be 5-10 days; For non-standard machines and customized machines according to clients specific requirements, it would be appointment time.

##### 3. Do you arrange shipment for the machines?

Yes, we will do that. For FOB or CIF price, we will arrange shipment for you. For EXW price, we will assist you in arranging shipment.

##### 4. How about your product after-sales service?

Normally we provide video and written technical support. If necessary, our engineers can also provide on-site service. Our product accessories can be selected according to the actual needs of the customer to choose the most appropriate way to deliver.

##### 5. What kinds of certificate you have?

ISO 9001: 2015 SGS and we can make other certificates according to customers' detailed requirements.

##### 6. How to guarantee the quality and operation before loading?

We have our own quality control department and have advance quality control system while from raw materials to finished products. All the machines and production lines shall be 100% checked and tested before delivery.



TONGDA HEAVY

**Henan Tongda Heavy Industry Science And Technology Co., Ltd.**



+8618538527111



[admin@hntdfertilizermachine.com](mailto:admin@hntdfertilizermachine.com)



[organicfertilizerequipment.com](http://organicfertilizerequipment.com)

Xingyang Longgang Development Zone