



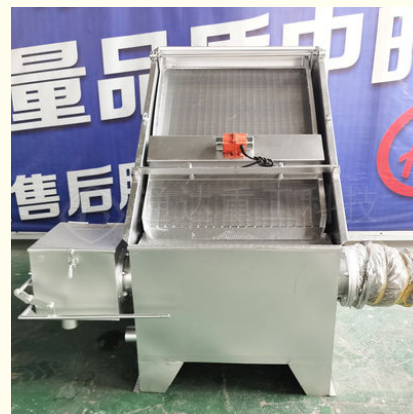
Low Consumption Wet And Dry Separator Pig Manure Inclined Screen Solid-Liquid Separator

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: TONGDA
- Certification: CE, ISO
- Model Number: TDXS-001
- Minimum Order Quantity: 1
- Packaging Details: According to customer requirements
- Delivery Time: 3-7 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 300 units per month



Product Specification

- Product Name: Wet And Dry Separator Machine
- Productivity: 10-20L/Hour
- Weight (KG): 560 Kg
- Material: Stainless Steel 304/316
- Use: Liquid And Solid Separating
- Application: Solid-liquid Separation
- Highlight: **Pig Manure Wet And Dry Separator, Inclined Screen Wet And Dry Separator**



Product Description

Low Consumption Wet and Dry Separator Pig Manure Inclined Screen Solid-Liquid Separator

Solid-liquid separator is used to separate coarse solids from diluted raw pig manure.

The equipment is generally performed as a pre-treatment for subsequent manure treatment processes, reduce organic matter loading to storages/lagoons, reduce GHG emissions from long-term storages, facilitate pumping to distant fields/storages, and/or use of separated solids for stall bedding/compost media.

Introduction to inclined screen solid-liquid separator:

The development of modern animal husbandry and the rise of factory intensive farming have enriched people's material needs, but it has also brought about the proliferation of livestock and poultry wastewater, causing pollution to water sources, air, and the environment. The livestock manure treatment machine is a device used for dehydration of livestock manure and sewage in animal husbandry farms. It can separate the original manure and sewage into liquid organic fertilizer and solid organic fertilizer. Liquid organic fertilizer can be used for crop utilization and absorption, while solid organic fertilizer can be transported to fertilizer deficient areas for use, and can also improve soil structure. At the same time, it can be fermented to produce organic compound fertilizer. Use a matching submerged pump to deliver the raw manure water to the aquaculture manure treatment machine. Through the spiral shaft placed in the sieve, solid substances (dry manure) are squeezed and separated, and the liquid flows out from the outlet through the sieve.

Working principle:

The cutting type submersible sewage pump is used to send the original slag liquid into the solid-liquid separator, and the treated slag liquid is evenly distributed on the stainless steel inclined screen surface through overflow. Due to the small and smooth surface gap of the screen, the back gap is large, and the drainage is smooth and not easy to block; Solid substances are intercepted, and the filtered liquid flows out from the gaps in the sieve plate and is discharged from the drainage pipe; At the same time, under oblique action, solid substances are pushed into the spiral axis of the sieve, and the solid substances are separated by pressing, thus solid-liquid separation.

Model	TD800	TD1200	TD1600
Voltage(V)	380V		
Main Motor Power(KW)	4	5.5	8.5
Pump Power(KW)	3		
Inlet Dia.(mm)	76	76	75
Outfall Dia.(mm)	152		
Overall Size(mm)	2050*1150*1600	2420*1150*1600	2100*1900*1800
Weight(kgs)	320	380	430
Material	Stainless steel		
Take Original Dung(kg/h)	20	25	35
Produce Dried Dung(kg/h)	6	8	10
Bucket Size(mm)	150*350	150*400	600*1600

Usage of solid-liquid separator:

Step 1: The sewage is sucked up from the cesspool by the sewage pump. Through the slant 45 V-shaped wire screen, most of the water is filtered by gravity.

Step 2: The material flows to the spiral blade through the vibration motor and then is transmitted to the rotary drum screen filter by the spiral blade.

Step 3: In the drum screen, a part of the sewage flows out through the extrusion, and the extruded material comes out from the discharge port.



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.



TONGDA HEAVY

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



+8618538527111



admin@hntdfertilizermachine.com



organicfertilizerequipment.com

Xingyang Longgang Development Zone