

YiKang Ecological Livestock & Poultry Environmental Solutions

- Animal Carcass Treatment Machine
- Fermentation Tank



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01 Company Profile



Company Profile

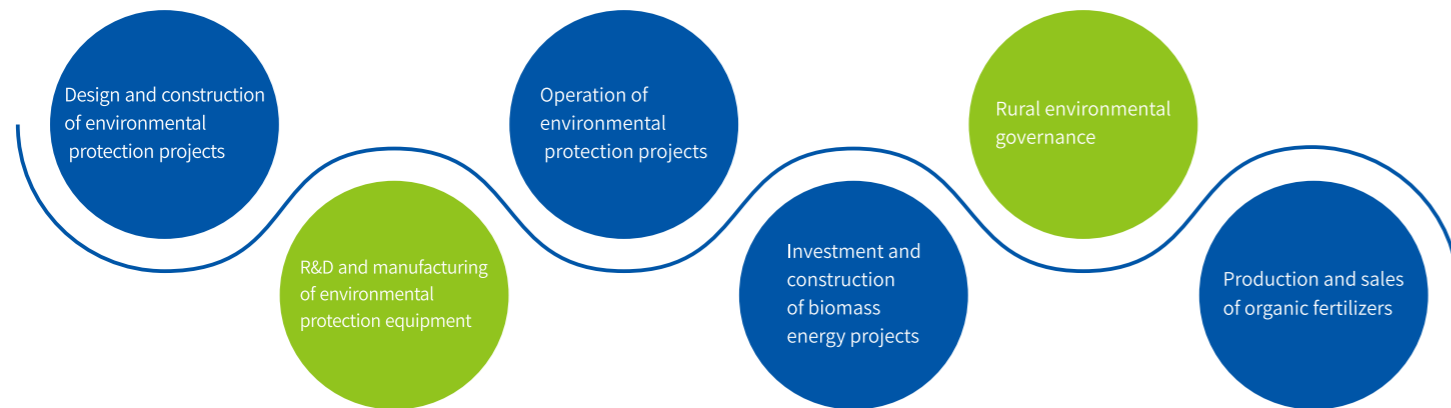
Founded in 2014, Guangdong Yikang Ecological Environmental Technology Group Co., Ltd. is an integrated environmental solution provider focusing on agricultural and rural environmental protection.

The company specializes in agricultural and livestock pollution control, biomass resource recycling, and rural ecological environmental management, providing comprehensive solutions for the treatment, recycling and resource utilization of solid, liquid and gaseous pollutants.

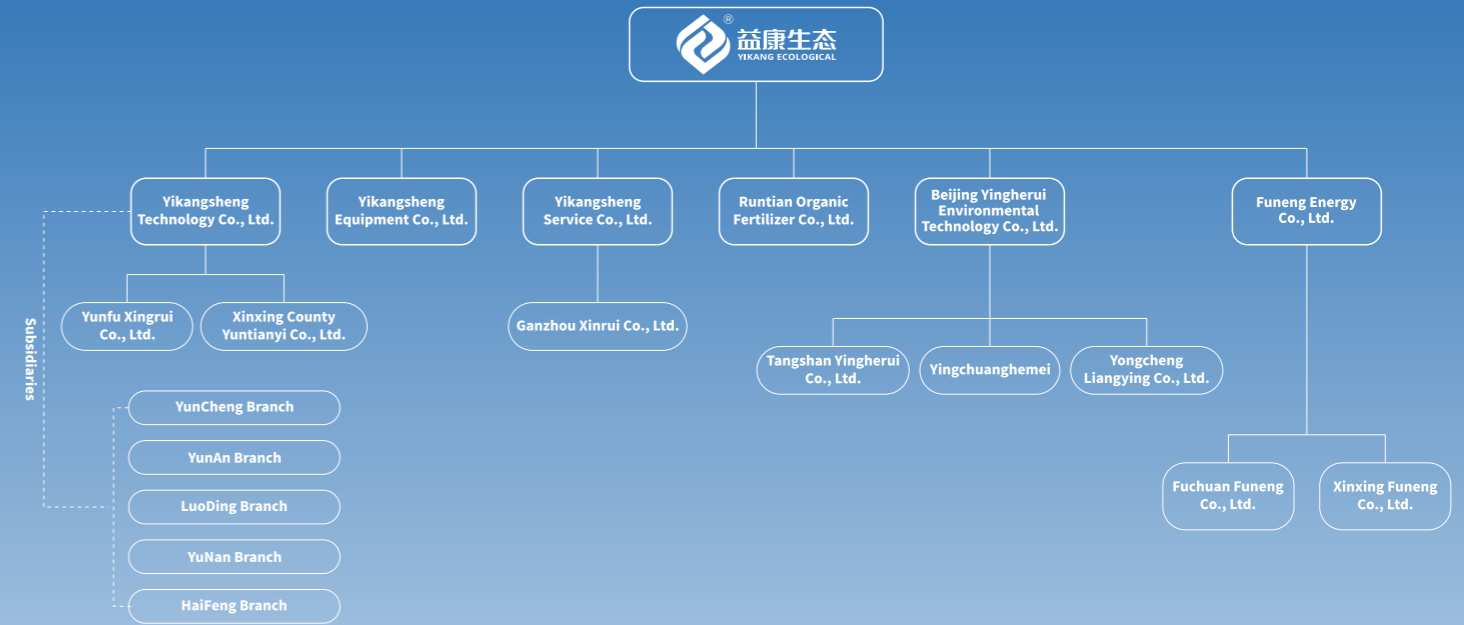
Our services cover the treatment and management of various agricultural and forestry wastes, including livestock wastewater, manure and straw.

With strong technological capabilities and extensive project experience, Yikang has become a leading enterprise in the agricultural and rural environmental protection industry.

Business Scope



Corporate Structure



Innovative Achievements
Capability
Verification
Customer Trust

420
Utility Model Patents

31
Invention Patents

25
Software Copyrights

12
Design Patents

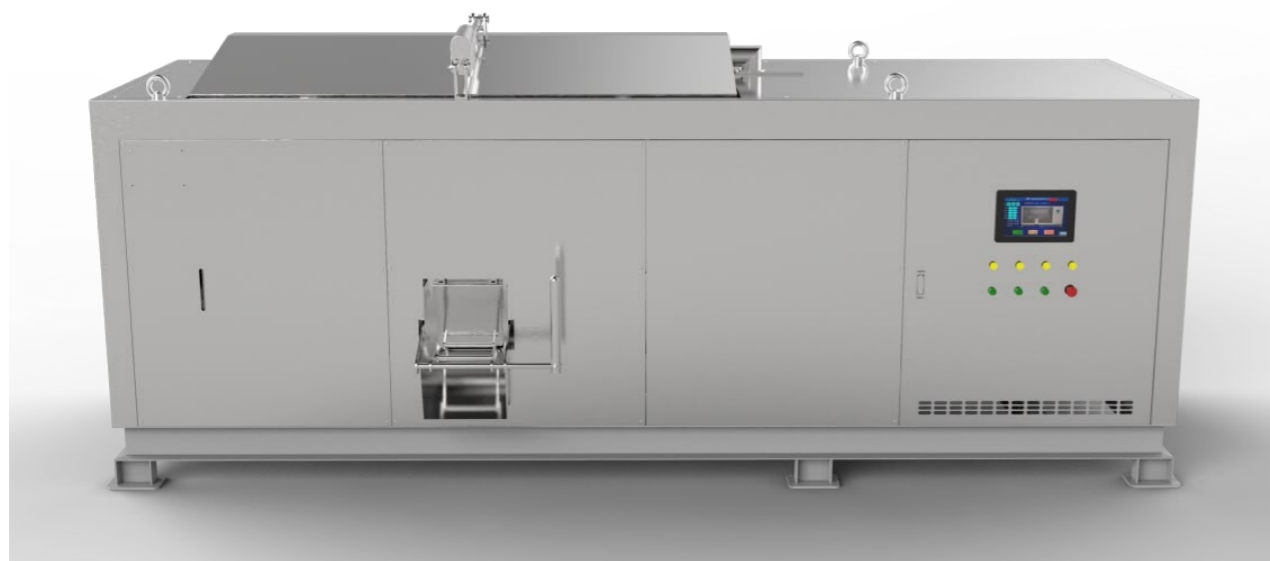
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Registered Trademarks



02 Animal Carcass Treatment Machine

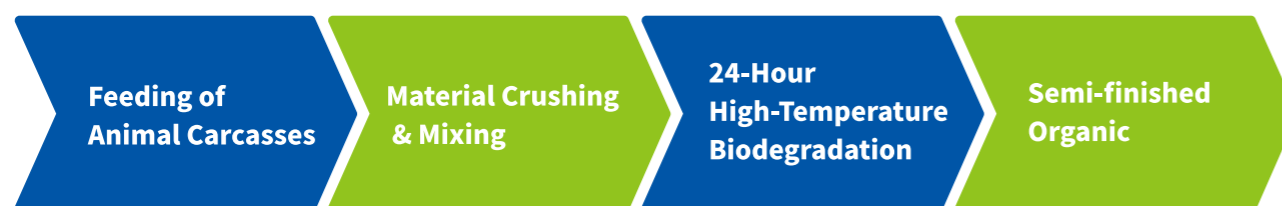
Animal Carcass Biodegradation Treatment Machine

Model	11FJX-9	11FJX-16	11FJX-24	11FJD-50
Treatment Cycle	24 Hours			
Single-batch Treatment Capacity	300 Kg	700 Kg	1000 Kg	2000 Kg
Treatment Scope	Chickens, Ducks, etc.	Chickens, Ducks, Pigs, etc.	Chickens, Ducks, Pigs, etc.	



The system adopts a high-temperature biodegradation principle, achieving harmless treatment through elevated temperatures. Lipases, proteases, and other enzymes produced during microbial fermentation are utilized to degrade organic matter in animal carcasses. Through multiple integrated and synchronized processes—including cutting, shredding, fermentation, sterilization, and drying—the equipment rapidly converts livestock and poultry carcasses and other wastes into organic fertilizer raw materials, ultimately realizing efficient and harmless biodegradation treatment.

Process Flow Diagram



Principle of the Biodegradation System

Working Principle

The Yikangsheng series of high-temperature biodegradation animal carcass treatment equipment adopts thermophilic microbial technology. High-activity extracellular enzyme systems, including proteases and lipases secreted by microorganisms, are used to rapidly enzymatically hydrolyze and biodegrade high-molecular organic substances such as proteins and fats in animal carcasses.

Under a high-temperature aerobic environment, organic matter is ultimately decomposed into carbon dioxide and water through multiple metabolic pathways, achieving harmless and volume-reduction treatment within 24 hours.

Application Scope

Livestock Farms

Slaughterhouses

Food Processing Enterprises

Large-scale Centralized Treatment Centers

Livestock & Poultry Trading and Wholesale Markets



2000 kg



1000 kg

Equipment Advantages

● **Efficient and Harmless Treatment:**

Completely inactivates pathogens and effectively blocks disease transmission.

● **Environmentally Friendly and Safe:**

Fully enclosed operation throughout the entire process, with no secondary pollution.

● **High Treatment Efficiency:**

Biodegradation completed within 24 hours, with low operating costs.

● **High Level of Intelligence:**

Automated operation ensures safe, reliable, and convenient use.

● **Resource Recovery:**

Converts waste into valuable resources, supporting the agricultural circular economy.

● **Smart Supervision:**

Integrated Internet of Things (IoT) system enables remote monitoring and intelligent management.

Technical Parameters of the Animal Carcass Biodegradation Treatment Machine

Models	11FJX-9 (Small)	11FJX-24 (Medium)	11FJX-50 (Large)
Dimensions	2600 (Length) × 1000 (Width) × 1500 (Height)	4000 (Length) × 1400 (Width) × 1700 (Height)	4300 (Length) × 2100 (Width) × 3000 (Height)
Power	12	33	75
Overall Weight	1200 kg	3000 kg	3000 kg
Effective Treatment Volume	0.9 m ³	2.4 m ³	5.0 m ³
Treatment Cycle	24 h	24 h	24 h
Treatment Scope	Duck, Chicken, etc.	Pig, Sheep, Duck, Chicken, etc.	Pig, Sheep, Duck, Chicken, etc.
Operating Voltage	380 V	380 V	380 V
Single-batch Treatment Capacity	Single-batch Capacity: 300 kg	Single-batch Capacity: 1000 kg	Single-batch Capacity: 2000 kg

03 Fermentation Tank

Intelligent Fermentation System (Tank System)



Working Principle

The intelligent high-temperature aerobic fermentation system adopts a high-temperature aerobic fermentation process to treat solid organic wastes. Through microbial decomposition of organic substances in the waste, the system achieves integrated harmless treatment, volume reduction, and resource recovery.

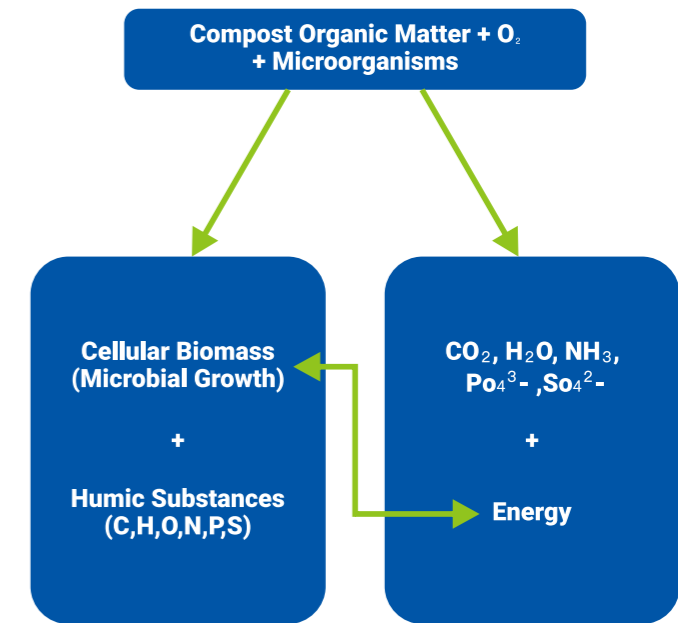
Application Scope



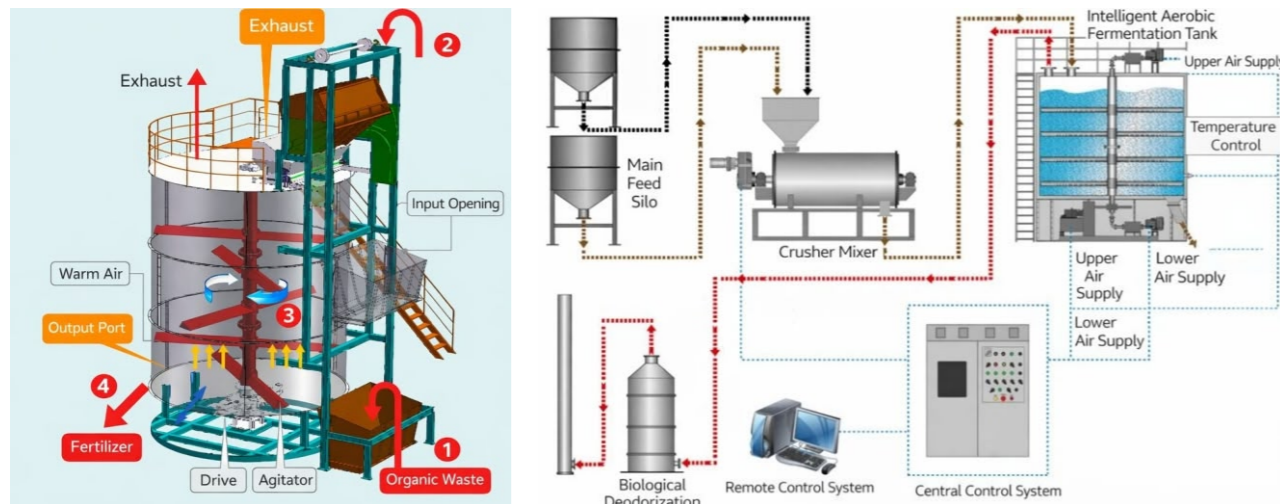
Process Flow Diagram



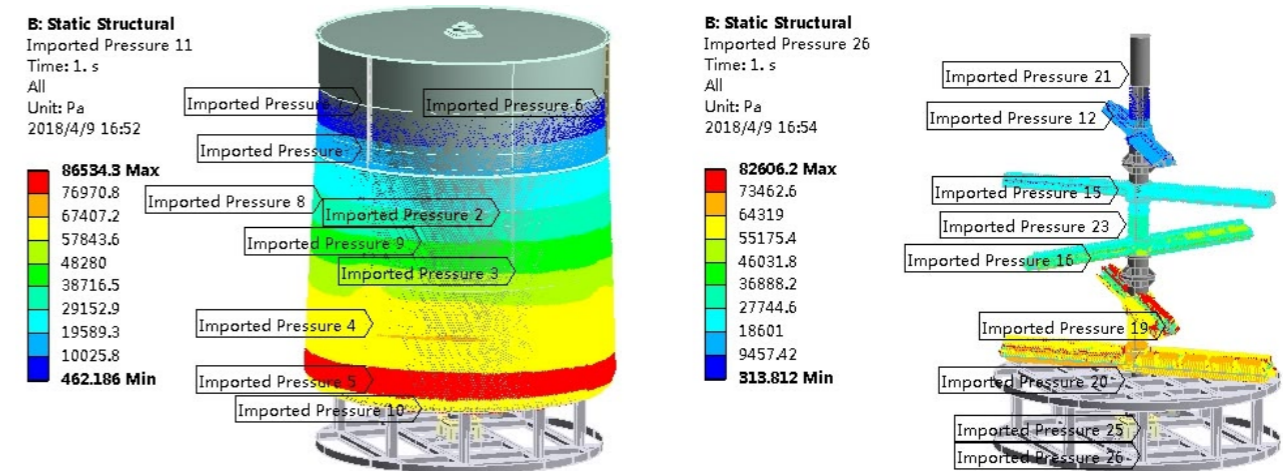
Fermentation Principle Description



Process Flow Description



Structural Analysis of the Fermentation Tank



04

Case Studies of Treatment Machines and Fermentation Tanks



Animal Carcass Biodegradation Treatment Project



Fermentation Tank Project



Ruisike Solid Waste Comprehensive Treatment

1000+

Serving over 1,000 animal carcass harmless treatment centers

50+

Supporting more than 50 livestock farm manure treatment systems

28+

Business presence across 28 provinces, municipalities, and autonomous regions nationwide

Fermentation Tank Project Case Studies



Masha Farm of Dekon Group, Xiping, Yunnan

Four (4) sets of 11FJX-24 animal carcass treatment equipment

Daily treatment capacity

4 t/d



Wens Group Shuitai Multi-storey Breeding Pig Farm

Three (3) sets of 11FJX-24 animal carcass treatment equipment

Daily treatment capacity

3 t/d



Yitun Pig Farm of Haid Group, Shaoguan

One (1) set of 11FJX-24 animal carcass treatment equipment

Daily treatment capacity

1 t/d



Heping Pig Farm of Jiahe Group, Tailai Company

Three (3) sets of 11FJX-24 animal carcass treatment equipment

Daily treatment capacity

3 t/d

Treatment Machine Project Case Studies



Yongan Registered Farm Project of Rongkang Company

Four (4) sets of 120 m³ fermentation systems

Daily treatment capacity

30 t/d



Cangxi Company of Southwest Pig Farming Group Qiping Pig Farm Project

One (1) set of 100 m³ fermentation system

Daily treatment capacity

8 t/d



Gaoping Company of Southwest Pig Farming Group Heming Pig Farm Project

Two (2) sets of 100 m³ fermentation systems

Daily treatment capacity

16 t/d



Qingshui Pig Farm Project, Guan County, Shandong Province

Two (2) sets of 100 m³ fermentation systems

Daily treatment capacity

16 t/d