

# Guangdong Yikang Ecological Environmental Technology Group Co., Ltd.

Product Overview



Guangdong Yikang Ecological Environment Technology Group Co., Ltd

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# Company Profile

# 01

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

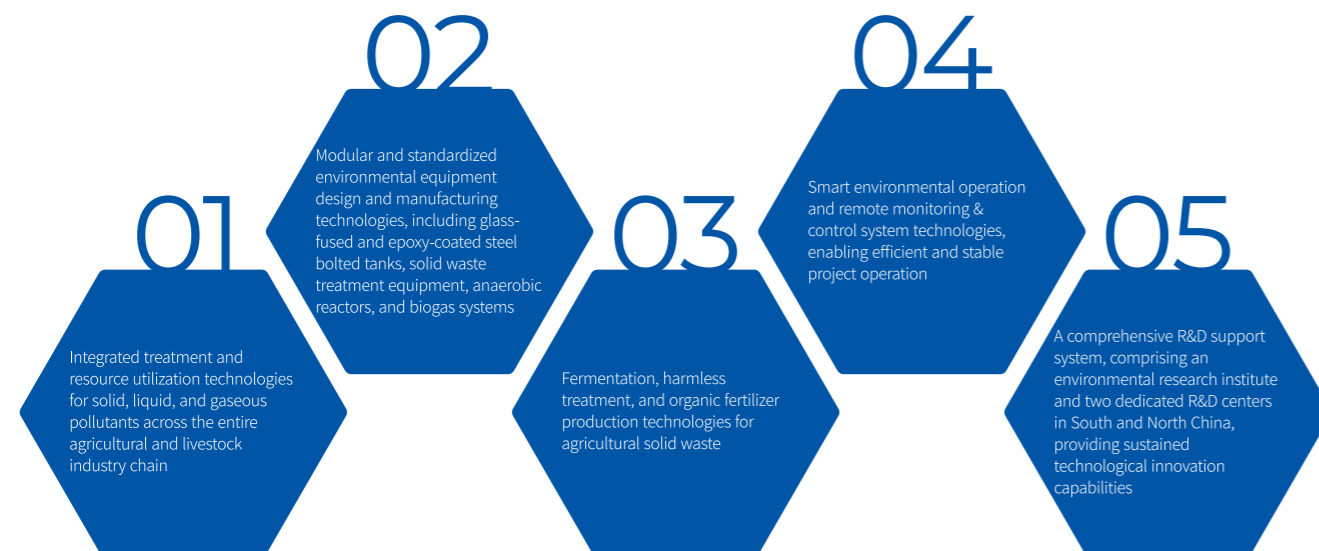
The company specializes in agricultural and livestock pollution control, biomass resource recycling, and rural ecological environmental management, providing comprehensive solutions for the treatment, recycling and resource utilization of solid, liquid and gaseous pollutants.

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.



# Core Technologies



# Key Clients



# Bolted Tank Series

Municipal | Fire Protection | Wastewater Treatment | Anaerobic Digestion | Dry Bulk Storage

02

## Glass-Fused-to-Steel(GFS) Bolted Tank

YHR Glass-Fused-to-Steel Technology, is a leading solution combines the advantages of both materials – the strength and flexibility of the STEEL and highest corrosion resistance of the GLASS. The Glass fused to the Steel at 1500 – 1650 deg. F, become a new material: GLASS-FUSED-TO-STEEL with perfect anti-corrosion performance.

YHR has developed high-strength TRS (Titanium Rich Steel) plates specially produced for the Glass-Fused-To-Steel Technology, which can work perfectly with our glass frit and can eliminates the “Fish Scale” defect.

**Coating Colors:** RAL 5008 – Dark Blue  
RAL 6003 – Olive Green  
RAL 9016 – Traffic White

**Coating Thickness:** 250–450 μm

**Acid and Alkali Resistance:** Suitable for pH 3–11

**Elasticity:** Approximately 500 kN/mm

**Hardness:** 5 (Mohs hardness)



## Epoxy-Coated Steel Bolted Tank

Fusion Bonded Epoxy (FBE) is an electrostatically applied coating system with superior coverage and uniform coating thickness. Thermoset resin fusion bonded epoxy used on the internal surface combined with the ultra durable polyester on the external surface ensures high performance corrosion resistance for storage tanks and silos.

Interior and exterior coated surfaces shall be inspected for any visible defect or holiday and have their coating thickness verified by a nondestructive mil-thickness test. Interior coating inspection shall include a holiday test before shipment.

**Coating Colors:** RAL 5013 – Cobalt Blue  
RAL 5015 – Sky Blue  
RAL 9016 – Traffic White

**Coating Thickness:** 80–450 μm

**Acid and Alkali Resistance:** Suitable for pH 3–11

**Elasticity:** Approximately 500 kN/mm

**Hardness:** 2.5 (Mohs hardness)



# Wastewater Treatment Series

Livestock & Poultry Wastewater | Food Processing Wastewater | Reclaimed Water Reuse | Municipal Wastewater

03

## Livestock & Poultry Wastewater

**Livestock & Poultry Wastewater Applicable Livestock Types:**  
Pigs, Cattle, Chickens, Ducks, etc.

**Core Treatment Process:**  
Solid-Liquid Separation + AAO / SND Process + Advanced Treatment

**Treatment Capacity:**  
100–5,000 m<sup>3</sup>/d

### Influent & Effluent Standards:

Treatment Capacity	COD (mg/L)	Ammonia Nitrogen (mg/L)	TN (mg/L)	TP (mg/L)
Influent	< 50000	< 2000	< 2500	< 500
Effluent	≤ 100	≤ 15	≤ 40	≤ 0.5



## Food Processing Wastewater

**Applicable Categories:**  
Meat Processing, Dairy Processing, Slaughtering, etc.

**Core Treatment Process:**  
A/O Process

**Treatment Capacity:**  
500–10,000 m<sup>3</sup>/d

### Influent & Effluent Standards:

Treatment Capacity	COD (mg/L)	Ammonia Nitrogen (mg/L)	TN (mg/L)	TP (mg/L)
Influent	< 5000	< 150	< 200	< 100
Effluent	≤ 50	≤ 5	≤ 15	≤ 0.5



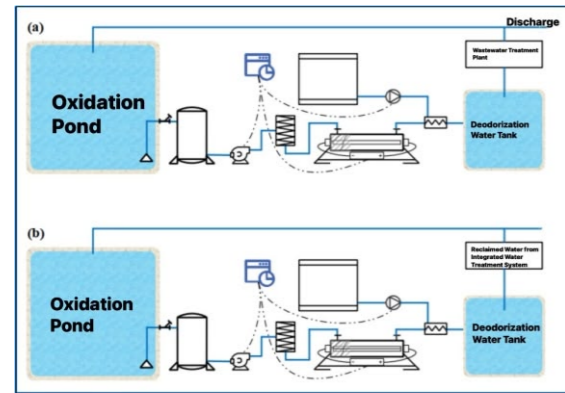
## Reclaimed Water Reuse

### Application Scope:

Pig Farms, Odor Control Water Supply, Pig House Cooling, etc.

### Treatment Capacity:

50-1,000 m<sup>3</sup>/d



## Rural & Township Wastewater

### Core Treatment Process:

AAO Process

### Daily Treatment Capacity:

50-5,000 m<sup>3</sup>/d

### Influent & Effluent Standards:

Treatment Capacity	COD (mg/L)	Ammonia Nitrogen (mg/L)	TN (mg/L)	TP (mg/L)
Influent	<500	<200	<80	<20
Effluent	≤50	≤10	≤15(8)	≤0.5



## Air Suspension Blower

- Provides compressed air for cultivating microorganisms in wastewater treatment processes.
- Enhances active oxygen supply at lower temperatures, maximizing wastewater treatment efficiency.
- Uses compressed air to convey powder materials, cement, and granular substances through conveying pipelines.
- Widely applied in industrial processes such as drying, dehumidification, burners, and desulfurization.
- Eliminates the need for additional heating equipment by utilizing compressed air as a heat source for product drying, improving production efficiency.

### Inlet Flow Rate:

3.5-376 m<sup>3</sup>/min

### Outlet Pressure:

0.3-1.2 kgf/cm<sup>2</sup>G

### Operating Conditions:

20°C, 1.033 kgf/cm<sup>2</sup>, 65% RH



## High-Pressure Belt Dewatering Machine

### Model Series:

HBP-2000, FJG-2500, FJG-3000

### Treatment Capacity:

10-30 t/d

### Applicable Materials:

Sludge, Slurry, Manure

### Advantages:

High dewatering efficiency: sludge with an inlet solids concentration of 45% - 50% can be directly dewatered to a final moisture content of 18% - 22%, significantly improving dewatering performance and reducing subsequent handling and disposal costs.



## Animal Carcass Treatment Machine

**Model Series:**  
11FJX-9, 11FJX-24, 11FJX-50

**Treatment Capacity:**  
0.9-5.0 m<sup>3</sup>/d

**Applicable Materials:**  
Pigs, Chickens, Ducks

**Advantages:**  
Based on a high-temperature biodegradation principle, the system utilizes elevated temperatures to achieve complete harmless treatment of animal carcasses, effectively eliminating pathogens and ensuring safe disposal.



## Fermentation Tank

**Model Series:**  
FJG-100, FJG-120, FJG-160

**Treatment Capacity:**  
10-15 t/d

**Applicable Materials:**  
Animal Manure

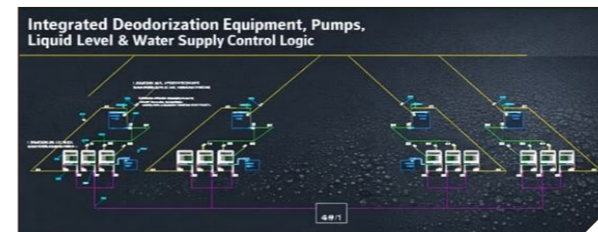
**Advantages:**  
Advantages: Precise temperature control combined with high-efficiency composting ensures stable and thorough fermentation. Fully enclosed operation effectively controls odors. Accurate process parameters guarantee highly consistent product quality.



## Odor Control Series

### Integrated Deodorization Equipment

- One-to-one installation, operating synchronously with the fan start-up and shutdown, effectively reducing operating costs;
- Centralized water supply and drainage, lowering operation and maintenance costs;
- No separate equipment room required, significantly reducing civil construction costs.



## Fresh Air Purification Equipment

**Model Series:**  
YKS3×4, YKS4×4, YKS3×6

**Key Specifications:**  
Primary filter rating: MERV 8

**High-efficiency filter rating:**  
MERV 15

**Application Scope:**  
Precision ventilation for pig houses

- Advantages:**
- Positive-pressure ventilation design, providing a stronger biosecurity barrier for pig farms;
  - Three-stage filtration system with graded interception for enhanced air purification;
  - The third-stage high-efficiency filter (H10/H11 grade, glass fiber / PTFE membrane) effectively intercepts  $\geq 0.5 \mu\text{m}$  fine particles, aerosols, and certain microorganisms, including bacteria and virus-laden droplets, fully meeting the core biosecurity requirements of modern pig farms.

