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COMPANY INTRODUCTION 公司介绍

Company background and history

Jiangxi Bolaida Environmental Technology Co., Ltd. is a company specializing in industrial waste gas treatment under Zhong 'an Tiancheng (Hubei) Environmental Technology Co., LTD. It was established in May 2018 and is a national high-tech enterprise. The core members of the team have over 20 years of experience in environmental engineering governance in the chemical industry. They are dedicated to the research and development of flue gas treatment engineering technology and equipment manufacturing in the industrial field, and provide customized solutions for a wide range of customers. The company undertakes one-stop services including process consultation, scheme design, engineering construction, after-sales training, and upgrading and renovation of existing projects for waste gas treatment in new projects across various industries.

Main business scope: 1. Desulfurization, denitrification and dust removal, ultra-low emission treatment for industrial kilns, boilers, glass, non-ferrous smelting, coking, steel, cement and other industries; 2. Dewhitening and acid mist removal in inorganic chemical industries such as hazardous waste incineration, titanium dioxide, spray drying, sulfuric acid, synthetic ammonia, and fertilizers; 3. Treatment of malodorous organic waste gas in industries such as fine chemicals, medical and pesticide chemicals, biological fermentation, sewage and sludge treatment, and three-waste incineration......

The company adheres to the development philosophy of technological innovation, service priority and quality first, and is committed to: "Improving air quality, restoring fresh air to the earth and ensuring healthy breathing for humanity!" Strive unremittingly for the great cause.

Company advantages and characteristics



Over 30 industries
Over 500 engineering cases

Meet the standard in one attempt Ten years of worry-free environmental protection

20 3000+

Serve the country

Customer inquiry

100%

Compliance guarantee

>100

Annual number of sets



Product description and introduction:

Bag-type dust collector:

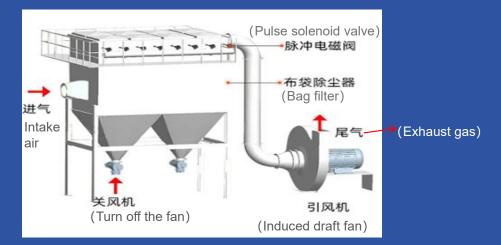
Bolaida's bag filter has an efficiency of over 99.9% in capturing dry particulate matter. The bag-type dust collector adopts intelligent pulse jet cleaning and advanced filter medium design, meeting the ultra-low emission requirements of various dry dust working conditions. It performs well in scenarios such as coal-fired boilers, ore crushing, biomass combustion, and cement kiln tail, providing clean air solutions for industrial production.



Efficient Oust removal Low consumption and energy saving

Safe and environment ally friendly

Working principle



Precision filtration:

The CFB semi-dry flue gas desulfurization process uses calcium-based adsorbents to neutralize $SO_2\ /SO_3\$ in the flue gas. Through humidification activation, the adsorbent circulates within the tower, ensuring a desulfurization efficiency of over 95% at a low Ca/S ratio (1.1-1.3). This method can also remove HF/HCl and generate dry, recyclable by-products.

Intelligent cleaning:

When the resistance reaches 1500-2000Pa \rightarrow the pulse valve is activated \rightarrow reverse air is sprayed to clean the bag \rightarrow the dust cake falls into the hopper.



Product features and advantages产品特性和参数

Product features:

Ultra-efficient dust removal, wide operational adaptability, low operating costs, and modular engineering

Product parameters:

Parameter	Specification	
Airflow	5,000-1,000,000 m³/h (customizable)	
Filtration speed	0.8-1.2m/min (conventional dust) /0.6- 0.9m/min (fine dust)	
Pressure drop	1200-1800Pa (Stable operating state)	
Filter material	Polyester/PPS/polytetrafluoroethylene/glas s fiber	
Clean	Pulse jet	
Control mode	PLC fully automatic control + remote monitoring	
Lifespan	Structure ≥20 years, component ≥10 years	



Product advantages:

Ultra-efficient dust removal:

- ✓ Dust removal efficiency ≥99.9%, PM2.5 capture rate 99%
- ✓ The stable emission concentration is ≤10mg/m³, meeting the strict ultra-low emission standards

Extensive operational adaptability:

- ✓ Temperature resistance: Standard medium ≤260°C, PTFE medium can withstand 300°C.
- ✓ Dust compatibility: Optimized for dry, non-sticky dust (fly ash/cement/metal oxides).
- ✓ Load fluctuation: Handle load variations ranging from 30% to 120%, with 100% boiler start-up/shutdown synchronization.

Low operating costs:

- ✓ Filter lifespan: High-quality PPS bags can be used continuously for ≥24 months, reducing replacement costs by 30%.
- ✓ Energy conservation: The pulse valve consumes only 0.3-0.5kWh for every 1,000 cubic meters of flue gas.
- ✓ Intelligent monitoring: Differential pressure sensor + PLC ensures a fault rate of ≥95%.

Magnetion Case 应用案例



Typical application scenarios of bag filters:

Application scenarios	Dust type	Emission
Coal- fired/biomas s boilers	Fly ash/Straw	≤10 milligrams per cubicmeter
Exhaust gas from kilns	Cement/gyps um	≤15 milligrams per cubicmeter
Blast furnace	Iron oxide	≤20 milligrams per cubicmeter
Resin drying	Polymer/carb on black	≤5 milligrams per cubicmeter
Incineration	Fly ash/dioxin	GB 18485-2020

Applicable fields (Partial)



Coal/biomass Boiler



Rotary kiln



The branches are dry.



Blast furnace



Electrolytic aluminum



Metal smelting



Incineration



Incineration of medical waste











































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THANK YOU

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