

EMS FAN EXPERT | YIMAIS MACHINERY

INDUSTRIAL FAN PRODUCT CATALOG

Centrifugal · Axial · Mining · Boiler · Process Ventilation

ENGINEERED FOR REAL OPERATING CONDITIONS

INQUIRIES & PROJECT SUPPORT

Send us your operating conditions. Our engineering team will help select a practical fan configuration for your application.

Inquiry Email	**sales@ems-fanstech.com** **quote@ems-fanstech.com**
Website	**yimaisifans.com**
Brand	**EMS Fan Expert / Yimais Machinery**

For quotation, please provide airflow, pressure, gas temperature, gas composition, dust concentration, material requirements, installation arrangement and any special operating conditions.

ABOUT YIMAIS MACHINERY

Industrial Fan Manufacturer & Ventilation Solution Provider Since 2006

Zibo Yimais Machinery Equipment Co., Ltd. specializes in the design, engineering and manufacturing of centrifugal fans, axial fans, mining ventilation fans, boiler draft fans, explosion-proof fans and customized industrial fan systems. With 70+ product series and more than 700 fan models, we support applications across metallurgy, mining, power and boiler systems, chemical processing, cement, glass, environmental engineering and general industry.

20+ Years Manufacturing Experience	70+ Product Series	700+ Fan Models

Engineering Around Your Operating Conditions

Fan selection is based on actual system requirements rather than a catalogue model alone. Airflow, pressure, temperature, gas characteristics, dust loading, system resistance, materials and installation conditions all affect final selection and performance.

Main Product Scope

Industrial Centrifugal Fans · Axial Flow Fans · Mining Ventilation Fans · Boiler FD/ID Fans · Environmental Protection Fans · Explosion-Proof Fans · High-Temperature Fans · Customized Industrial Fans

CONTENTS

01 Glass Industry Centrifugal Fans
02 Wood Processing Industry Centrifugal Fans
03 Grain & Food Processing Industry Centrifugal Fans
04 Industrial Fans for Waste Incineration Plants
05 Heavy-Duty Centrifugal Fans
06 Textile Mill Centrifugal Fans
07 Metallurgical Industry Fans
08 Chemical Industry Fans
09 Cement Industry Fans
10 Paper Industry Fans
11 Environmental Protection Centrifugal Fans
12 GD30K2-12 Ducted Axial Flow Fan
13 Wire Rod Air Cooling Fan
14 Mine Flameproof press-in counter-rotating fan
15 Mining Main Ventilation Fan
16 Mine explosion-proof induced draft fan
17 Mine Auxiliary Ventilation Fan
18 FKZ / FKCDZ Series Non-Coal Mine Ventilation Fan
19 Mine Energy-saving Mine Ventilation Fan
20 SDS Tunnel Jet Fan
21 SDF Tunnel Ventilation Fan
22 Small Boiler Centrifugal Induced Draft Fan
23 GY6-51 Large Capacity Boiler Draft Fan
24 Industrial Boiler Forced Induced Draft Fan
25 Boiler Centrifugal Forced Induced Draft Fan
26 Y5-48 Boiler Centrifugal Induced Draft Fan
27 Y8-39 / Y9-38 Boiler Centrifugal Induced Draft Fan
28 Industrial Boiler Centrifugal Fan
29 Y5-47 Boiler Centrifugal Induced Draft Fan
30 High Temperature Industrial Fan
31 FRP centrifugal fan
32 Explosion-Proof Fan for Hazardous Areas

01 Glass Industry Centrifugal Fans



Product Overview

Glass Industry Centrifugal Fans are industrial air handling solutions designed for demanding applications throughout glass manufacturing plants. They are widely used for glass furnace exhaust, combustion air supply, mold cooling, IS machine cooling, furnace ventilation, dust collection, process exhaust, and environmental control systems.

	
Environmental Furnace Induced Draft Fan	Furnace Wall Insulation Dedicated Fan
	
IS Machine Mold Cooling Fan	Secondary Air Combustion Fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

02 Wood Processing Industry Centrifugal Fans



Product Overview

Wood Processing Industry Centrifugal Fans are designed for demanding air handling, dust extraction, material conveying, ventilation, and drying applications in wood processing plants, furniture factories, woodworking workshops, and engineered wood production facilities.

	
Dust Collection Fan	Sawdust Conveyor Fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

03 Grain & Food Processing Industry Centrifugal Fans



Product Overview

Grain & Food Processing Industry Centrifugal Fans are industrial air handling solutions designed for grain processing plants, food manufacturing facilities, agricultural product processing, and related production systems.

	
Circulation Fan	Grain Food Cooling Fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

04 Industrial Fans for Waste Incineration Plants



Product Overview

Industrial Fans for Waste Incineration Plants are industrial air handling solutions designed for municipal waste incineration, industrial waste treatment, solid waste processing, waste-to-energy plants, and related flue gas treatment systems.

	
Incineration Combustion Fan	Incineration Furnace Induced Draft Fan
	
Incineration Secondary Air Fan	Waste Incinerator Cooling Fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

05 Heavy-Duty Centrifugal Fans



Product Overview

Heavy-Duty Centrifugal Fans are engineered for demanding industrial applications that require high airflow, high pressure, continuous operation, and reliable performance under harsh working conditions.

	
Industrial High Pressure Centrifugal Fan	Industrial Low Pressure Centrifugal Fan
	
Industrial Medium Pressure Centrifugal Fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

06 Textile Mill Centrifugal Fans



Product Overview

Textile Mill Centrifugal Fans are designed for ventilation, exhaust, drying, hot air circulation, dust extraction, material conveying, and waste gas handling in textile manufacturing facilities.

	
Conveying Centrifugal Fan	Drying Centrifugal Fan
	
Exhaust Gas Treatment Centrifugal Fan	Factory Ventilation Fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

07 Metallurgical Industry Fans



Product Overview

Metallurgical Industry Fans are engineered for demanding applications in iron and steel production, metal smelting, sintering, pelletizing, furnace operation, casting, dust collection, cooling, and flue gas handling.

	
Environmental Dust Collection Fan	Exhaust Centrifugal Fan
	
Kiln Forced Draft Fan	Kiln Induced Draft Fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

08 Chemical Industry Fans



Product Overview

Chemical Industry Fans are designed for demanding gas handling, process ventilation, exhaust, waste gas treatment, dust extraction, process air supply, and material conveying applications in chemical manufacturing plants.

	
Chemical Anticorrosion Fan	Chemical Explosion-proof Fan
	
Chemical Process Centrifugal Fan	Chemical Stainless Steel Fan

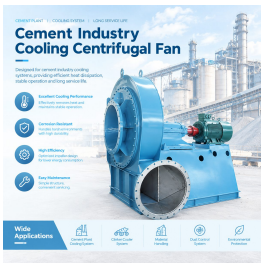
Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

09 Cement Industry Fans



Product Overview

Cement Industry Fans are essential for airflow control, ventilation, exhaust, dust collection, cooling, combustion, and process gas handling throughout modern cement production plants.

	
Cement Mill Ventilation Fan	Cooling Fan
	
Environmental Dust Collection Fan	Kiln Induced Draft Fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

10 Paper Industry Fans



Product Overview

Paper Industry Fans are industrial air-handling fans designed for pulp and paper manufacturing, paper machine ventilation, paper drying, hot air circulation, exhaust, dust collection, waste gas treatment, boiler combustion air, flue gas exhaust, and material conveying systems.

	
Boiler Centrifugal Fan	Drying Centrifugal Fan
	
Exhaust Gas Treatment Centrifugal Fan	Heavy Duty Forced Draft Fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

11 Environmental Protection Centrifugal Fans



Product Overview

Environmental Protection Centrifugal Fans are industrial air-handling fans designed for waste gas exhaust, VOC gas treatment, dust extraction, flue gas handling, scrubber systems, desulfurization, denitrification, baghouse dust collection, and other industrial environmental protection applications.

	
Flue Gas Desulfurization & Denitrification Centrifugal Fan	Industrial Dust Collection Centrifugal Fan
	
VOC Exhaust Gas Treatment Fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

12 GD30K2-12 Ducted Axial Flow Fan



Product Overview

The GD30K2-12 Ducted Axial Flow Fan is an industrial axial ventilation fan designed for factory ventilation, air exchange, equipment cooling, heat removal, and general industrial airflow applications.

	
GD30K2-12 Duct Axial Flow Fan	Industrial Axial Flow Fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

13 Wire Rod Air Cooling Fan



Product Overview

The Wire Rod Air Cooling Fan is an industrial cooling fan designed for steel wire rod production lines, high-speed wire rod mills, forced-air cooling systems, and hot material handling areas.

	
Axial Cooling Fan	Steel Plant Axial Flow Fan
	
Wire Rod Air Cooling Axial Flow Fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

14 Mine Flameproof press-in counter-rotating fan



Product Overview

The Mine Flameproof press-in counter-rotating fan is a flameproof, counter-rotating axial fan designed for local and auxiliary ventilation in underground coal mines and other suitable underground mining applications.

	
Coal Mine Auxiliary Fan	Explosion-proof fan for underground coal mine
	
Mine explosion-proof blower	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

15 Mining Main Ventilation Fan



Product Overview

The Mining Main Ventilation Fan is designed for main ventilation systems in coal mines and underground mining operations. Featuring a two-stage counter-rotating axial impeller design, the fan provides high airflow and pressure performance for continuous mine ventilation and exhaust applications.

	
Coal Mine Flameproof Main Ventilation Fan	Coal mine explosion-proof double impeller
	
FBCDZ Coal Mine Flameproof Main Ventilation Fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

16 Mine explosion-proof induced draft fan



Product Overview

The Mine explosion-proof induced draft fan is designed for main ventilation and exhaust applications in coal mines and underground mining operations.

	
Coal mine explosion-proof blower	Gas pumping Air Blower
	
Mine explosion-proof induced draft fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

17 Mine Auxiliary Ventilation Fan



Product Overview

The Mine Auxiliary Ventilation Fan is designed for local and auxiliary ventilation in underground mines, including coal mines, metal mines and underground development projects.

	
Gas pumping Air Blower	Local ventilator under mine
	
Metal Mine Auxiliary Ventilation Fan	

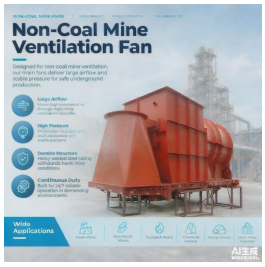
Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

18 FKZ / FKCDZ Series Non-Coal Mine Ventilation Fan



Product Overview

The FKZ / FKCDZ Series Non-Coal Mine Ventilation Fan is designed for ventilation applications in underground metal mines, non-coal mines and other underground mining projects.

	
FKCDZ Counter Rotating Fan	Mine-to-spin pressurized fan
	
Non-Coal Mine Ventilation Fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

19 Mine Energy-saving Mine Ventilation Fan



Product Overview

The Mine Energy-saving Mine Ventilation Fan is designed for ventilation systems in coal mines, metal mines, non-coal mines and underground engineering projects.

	
K DK mine ventilation fan	energy saving mine fan
	
mine main auxiliary fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

20 SDS Tunnel Jet Fan



Product Overview

The SDS Tunnel Jet Fan is an axial-flow jet fan designed for longitudinal ventilation in road tunnels, highway tunnels, underground roads, transportation tunnels, and other large underground facilities.

	
SDS tunnel jet fan	road tunnel fan
	
tunnel ventilation jet fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

21 SDF Tunnel Ventilation Fan



Product Overview

The SDF Tunnel Ventilation Fan is a high-efficiency axial flow fan designed for forced ventilation and local ventilation in road tunnels, railway tunnels, underground construction projects, mining roadways, and other confined underground spaces.

	
SDF tunnel ventilation fan	long distance air supply fan
	
tunnel construction fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

22 Small Boiler Centrifugal Induced Draft Fan



Product Overview

The Small Boiler Centrifugal Induced Draft Fan is a centrifugal fan designed for flue gas extraction and induced draft applications in small and medium-sized industrial boiler systems.

	
Y6-30 boiler fan	centrifugal ID fan
	
small boiler induced draft fan	

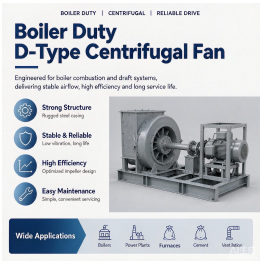
Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

23 GY6-51 Large Capacity Boiler Draft Fan



Product Overview

The GY6-51 Large Capacity Boiler Draft Fan is a centrifugal industrial fan designed for large-capacity boiler systems, high-volume flue gas extraction, and demanding boiler draft applications.

	
D-type boiler fan	GY6-51 boiler draft fan
	
large capacity boiler fan	

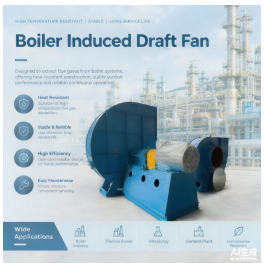
Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

24 Industrial Boiler Forced Induced Draft Fan



Product Overview

The Industrial Boiler Forced Induced Draft Fan is a centrifugal industrial fan designed for boiler ventilation, combustion air supply, and flue gas extraction applications.

	
GY6-41-boiler-blower	boiler-induced-draft-fan
	
industrial-boiler-fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

25 Boiler Centrifugal Forced Induced Draft Fan



Product Overview

The Boiler Centrifugal Forced Induced Draft Fan is an industrial centrifugal fan designed for boiler ventilation, combustion air supply, flue gas extraction and draft control.

	
G5-51 Boiler Centrifugal Forced Draft Fan	GY5-51-boiler-fan
	
Y5-51 Boiler Induced Draft Fan	

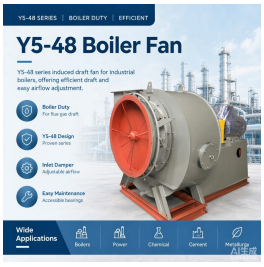
Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

26 Y5-48 Boiler Centrifugal Induced Draft Fan



Product Overview

The Y5-48 Boiler Centrifugal Induced Draft Fan is an industrial centrifugal ID fan designed for boiler flue gas extraction, furnace negative pressure control and continuous exhaust operation.

	
Y5-48 Boiler Induced Draft Fan	Y5-48 boiler fan
	
boiler induced draft fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

27 Y8-39 / Y9-38 Boiler Centrifugal Induced Draft Fan



Product Overview

The Y8-39 / Y9-38 Boiler Centrifugal Induced Draft Fan is designed for industrial boiler flue gas extraction, furnace negative pressure control and continuous boiler exhaust ventilation.

	
Y8-39 boiler fan	Y9-38 boiler fan
	
induced draft fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

28 Industrial Boiler Centrifugal Fan



Product Overview

The Industrial Boiler Centrifugal Fan is an industrial centrifugal fan series designed for boiler ventilation systems.

	
G4-73-boiler-fan	Y4-73-boiler-fan
	
boiler-forced-draft-induced-draft-fan	

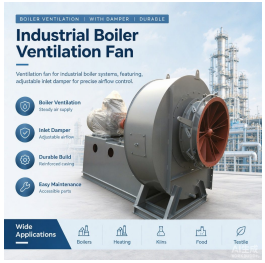
Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

29 Y5-47 Boiler Centrifugal Induced Draft Fan



Product Overview

The Y5-47 Boiler Centrifugal Induced Draft Fan is an industrial centrifugal ID fan designed for boiler flue gas extraction, furnace negative pressure control and continuous boiler exhaust ventilation.

	
Y5-47 boiler fan	boiler induced draft fan 2
	
industrial boiler ventilation fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

30 High Temperature Industrial Fan



Product Overview

The EMS High Temperature Industrial Fan is designed for conveying high-temperature air, hot gas, furnace gas, flue gas and industrial process gases. The fan can be engineered with high-temperature materials, bearing cooling systems, heat-resistant seals and customized drive arrangements according to actual operating conditions.

	
High Pressure High Temperature Fan	High Temperature Boiler Induced Draft Fan
	
High Temperature Stainless Steel Fan	

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

31 FRP centrifugal fan



Product Overview

The FRP centrifugal fan is a corrosion-resistant industrial centrifugal fan manufactured with fiberglass-reinforced plastic (FRP). It is designed for conveying acidic, alkaline, saline and other corrosive gases in industrial ventilation and exhaust systems.

	
4-72 Chemical Exhaust Fan	4-72 FRP Anticorrosion Fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

32 Explosion-Proof Fan for Hazardous Areas



Product Overview

The Explosion-Proof Fan for Hazardous Areas is an industrial ventilation fan designed for applications where flammable gases, vapors, combustible dust or other potentially explosive atmospheres may be present.

	
explosion proof axial fan	explosion proof centrifugal fan

Selection note: Final fan configuration should be confirmed according to required airflow, pressure, temperature, gas properties, system resistance and installation conditions.

LET'S TALK ABOUT YOUR AIRFLOW REQUIREMENTS

From standard industrial ventilation to high-temperature, high-pressure, corrosive, explosion-proof and process-gas applications, EMS Fan Expert provides fan solutions engineered around actual operating conditions.

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