BOFENG 博风

QUALITY IS THE BASE OF SURVIVAL

CUSTOMERS ARE THE CORNERSTONE OF GROWTH

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SHANDONG BOFENG FAN CO., LTD.BROCHURE

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AXIAL FLOW FAN	LOCAL VENTILATOR	FLAMEPROOF FAN
CONTRA-ROTATING AXIAL FAN	CENTRIFUGAL FAN	NON-STANDARD CUSTOMIZATION

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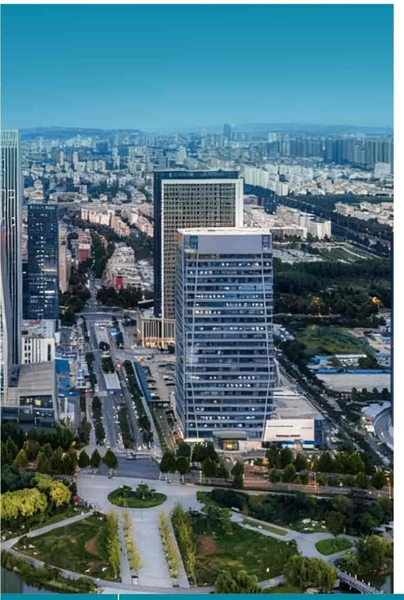

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Company Profile

Shandong Bofeng Fan Co., Ltd.

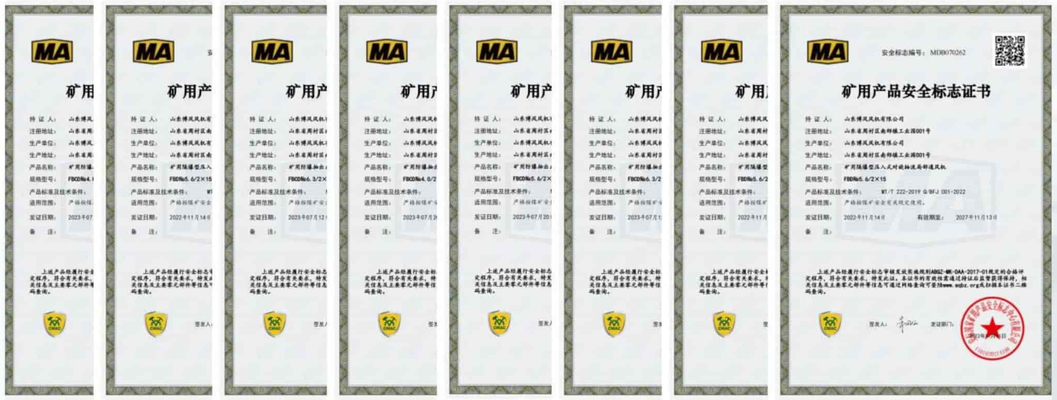
Shandong Bofeng Fan Co., Ltd., founded in 1999, located at No.001, Industrial Park, Nanjiao Town, Zhoucun District, Zibo, with convenient access and a favorable environment.The company occupies 22,600 m^2, with 17,600 m^2 of floor area, total assets of RMB 18 million, and 216 employees, including 38 engineers and technicians.We are a technology-oriented enterprise specialized in the design and manufacturing of fans and air-cooling equipment.

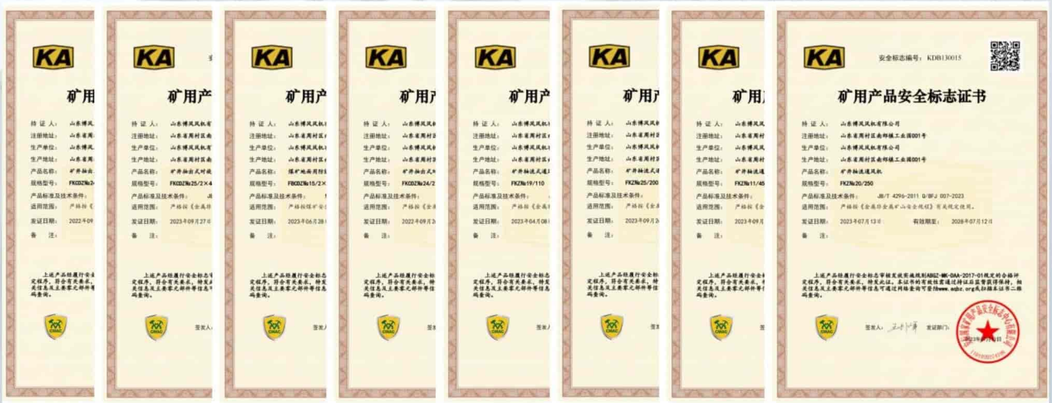
Since inception, we have focused on R&D and production of high-quality fans, advancing industry-university-research cooperation and driving continuous innovation and upgrades.We have developed 40+ series and 2,000+ fan models, widely used in machinery, power, chemical, metallurgy, pharmaceutical, food and other industries.

Our fans feature “specialization, uniqueness and innovation”, with novel structures, low noise, excellent performance and steady operation for diverse industrial scenarios.The range covers blowers, induced-draft fans, flameproof fans, anti-corrosion fans, gas booster fans and fire-fighting fans, meeting needs across sectors.Bofeng has become a preferred brand for many design institutes, installation firms and end users, enjoying a strong reputation in the industry.

Upholding the philosophy “Pursue Perfection, Integrity First”, we are ISO 9001:2015 certified and hold the National Industrial Product Production License.We are recognized as a provincial “Contract-honoring and Trustworthy” enterprise, continually improving quality and management to deliver high-quality products and reliable after-sales service.

Qualifications





Product Introduction

FKCDZ SERIES | MINE EXHAUST CONTRA-ROTATING AXIAL FAN (MAIN/AUX; STANDARD)

Product Intro

Coaxial twin-stage contra-rotating impellers for high-resistance mines and long ducts. With straightener ring, diffuser and silencer set, it delivers higher static pressure, a wider efficient range and lower noise, avoiding stall/surge and flow oscillation near the stall region. Supports VFD (variable frequency drive) and online monitoring (vibration/bearing temperature); service windows and lifting points ease maintenance and upgrades.

Applications

- Non-ferrous/ferrous mines: main/aux exhaust; return-shaft and shaft boosting.
- Deep non-coal mines: long trunk exhaustion; upgrades of zonal ventilation stations.
- Tunnels & underground works: station extraction and emergency smoke removal (per project).

FKZ SERIES | MINE AXIAL VENTILATION FAN (EXHAUST/FORCING; STANDARD)

Product Intro

Single-stage axial fan with simple structure and stable efficiency. Optimized airfoils and modular casings fit multiple pole/power motors and VFD control for economical operation on medium/low -resistance networks. Optional anti-corrosion coating and silencer options match dust/temperature conditions for longer service life.

Applications

- Gold/Copper/Lead-Zinc mines: auxiliary forcing or exhaust; stope /chamber ventilation.
- Non-coal drifts: local boosting, temporary ventilation, retrofit replacement.
- Municipal/Tunnel works: temporary ventilation; heading air supply with guards/silencers as required.

FK/FKD | AXIAL VENTILATION FAN (STANDARD; SINGLE/CONTRA-ROTATING)

Product Intro

FK is a single-stage model for straight flow paths and regular resistance; FKD adds contra-rotating stages to raise static pressure and stability within the same footprint—ideal for long ducts or fluctuating resistance. Both pair with straightener, diffuser and silencer for a turnkey package from selection to operation, with online monitoring for preventive maintenance.

Applications

- Mine surface/underground: forcing or exhaust; combined supply to multiple faces.
- Long ducting: supply/return on headings; high local losses at bends/junctions (prefer FKD).
- Industrial plants: large-space air change, local exhaust, energy-saving retrofits.

FB/FBD | FLAMEPROOF (EX D) FORCING AXIAL AUXILIARY FAN (SINGLE/CONTRA-ROTATING)

Product Intro

FB is a single-stage flameproof auxiliary fan (local ventilation fan) compliant with MA and Ex d; compact and quick to couple. FBD adds twin-stage contra-rotating boosting to keep flow and stability over long ducts and high-resistance branches. Local/remote start-stop, overload/over-temperature protection and VFD are available, with protection and silencing options for dusty/humid duties.

Applications

- Faces with gas/dust explosion risk: forcing / exhaust local ventilation.
- Long-duct supply: bends, junctions, large section changes (prefer FBD).
- Coal and Ex-rated non-coal mines: temporary face ventilation with frequent relocation.

Product Introduction

FBCZ/FBCDZ | FLAMEPROOF MINE EXHAUST CONTRA -ROTATING AXIAL FAN (SINGLE/CONTRA)

Product Intro

FBCZ is a flameproof single-stage main fan; FBCDZ is the twin-stage contra-rotating main fan. Both use Ex d flameproof casings and compliant cable entries for MA/Ex sites. The contra-rotating scheme maintains higher static pressure and steadier flow under low-speed VFD operation and high-resistance ducts—ideal for long distance and multi-bend routes. Compact bodies ease transport and frequent relocation.

Applications

- Coal and Ex-rated metal mines: long-duct drivage, multi-face ventilation.
- High local resistance: junctions, bends, narrowed sections (prefer FBCDZ).
- Temporary/staged ventilation: quick deploy/dismantle; low-noise night operation.

FBC/FBCD | FLAMEPROOF MINE EXHAUST CONTRA -ROTATING AUXILIARY FAN (SINGLE/CONTRA)

Product Intro

FBC is a flameproof single-stage auxiliary fan emphasizing versatility and easy service; FBCD adds contra-rotating pressure reserve and better tolerance to network fluctuation. Both accept various duct diameters, flexible connectors, silencing and straightening kits, and support local boxes or remote control for mine centralized control systems.

Applications

- Ex environments: forcing/exhaust on drivage or stoping faces.
- Long ducts & high-resistance locals: drift bends, cross-cuts, ore pass mouths.
- Zonal treatment: local dilution/extraction of dust, heat and harmful gases.

CENTRIFUGAL FANS (MINE/INDUSTRIAL/BOILER | SUPPLY & INDUCED DRAFT; STANDARD OR FLAMEPROOF)

Product Intro

Covers medium/high-pressure duties for complex ducting and harsh media with dust, corrosion or temperature rise. Drives include direct, belt and coupling; inlet/outlet angles configurable. Options: wear liners, anti-corrosion coatings, high-temperature alloys. Integrates with bag filters, cyclones and flue systems; supports VFD and online monitoring for continuous service.

Applications

- Mining processes: dust capture at crushing/screening; exhaust in thickening/filtering; backfill station venting.
- Metallurgy/Chemical/Building materials: flue gas, acid/alkali mist handling, material and gas-solid conveying.
- Boilers & kilns: new or retrofit supply/ID systems; low-noise upgrades.

CUSTOM ENGINEERING (ONE FAN PER DUTY)

Product Intro

Full custom builds for extreme or non-standard duties: aerodynamic /structural/control co-design under constraints of flow/pressure /temperature/medium/dust/noise/space. Options include MA/Ex /ATEX, anti-corrosion/wear/high-temperature materials and multi -stage silencing. Duty calculations, performance curves and noise prediction provided; third-party witnessing/testing supported for acceptance.

Applications

- Extreme duties: high-temperature (kiln/waste-heat), strong corrosion (acid/sulfur), heavy dust (dry/wet).
- Space-limited & multi-constraints: short-run high pressure, strict noise limits, N+1 redundancy.
- Overseas projects: 50/60 Hz, voltage schemes and local codes; full documentation for bidding/acceptance.

Success Cases

Shipping Showcase

Warehousing Capacity