百牧机械
BAIMU MACHINERY

Expert in Cooling Solutions for Virtual Currency Mining Farms and Data Processing Centers

Time：2025

Name：Mrs.Li

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Company Introduction

Company Overview

Development History

Qingzhou Baimu Machinery Equipment Co., Ltd. was established eight years ago. The company began as a small workshop and has since grown into a leading provider of cooling solutions.

Over the course of eight years, we have significantly expanded our production capacity and market presence, establishing ourselves as a pivotal player in the industry.

Company Mission and Vision

Mission Statement

Our mission is to provide efficient and reliable cooling equipment to ensure optimal operating conditions for virtual currency mining farms and data processing centers.
We aim to support the growth of these industries by offering innovative cooling solutions that enhance performance and reduce operational costs.

Future Vision

We envision a future where our advanced cooling technologies are integrated into every major virtual currency mining farm and data processing center globally.
We strive to continuously innovate and improve our products to meet the evolving needs of our customers and contribute to sustainable development.

Core Values

Quality Focus

We prioritize quality in every aspect of our operations, from raw material selection to final product delivery.
Our products undergo rigorous testing to ensure they meet the highest standards of performance and durability.

Innovation Drive

We invest in research and development to stay at the forefront of cooling technology advancements.
Our team of experts continuously explores new materials and designs to enhance the efficiency and effectiveness of our products.

Customer Service

We are committed to providing exceptional customer service, from personalized consultations to after- sales support.
Our goal is to build long- term relationships with our customers by understanding their needs and exceeding their expectations.

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Product Introduction

Galvanized Negative Pressure Fans

Appearance Display

01

High- definition images showcase the robust design of our galvanized negative pressure fans.
Detailed views highlight the durable galvanized steel construction and precise engineering.

Working Principle

02

The fans create a negative pressure environment by exhausting hot air, promoting cool air intake.
This principle ensures continuous airflow, maintaining a stable and cool temperature within the facility.

Performance Parameters

03

Key parameters include high air volume, optimal air pressure, low power consumption, and efficient rotational speed.
These fans are designed to operate reliably in demanding conditions, providing consistent cooling performance.

Application Scenarios

04

Ideal for virtual currency mining farms where high temperatures and heavy loads are common.
Suitable for data processing centers requiring reliable cooling solutions to protect sensitive equipment.

Galvanized Negative Pressure Fans argument

Model	Drive	Blades Diameter(mm)	Blades Rotational Speed(rpm)	Motor Rotational Speed (rpm)	Air flow m^3/hr	Input power (W)	Noise(db)
BST300	Drive	200	1400	1400	1000	120	< 70
BST400	Drive	300	1400	1400	2000	180	< 70
BST480	Diect	380	1400	1400	3000	180	< 70
BST600	Direct	500 (20inch)	1400	1400	5700	370	< 70
BST800	Belt	710 (28inch)	660	1400	18000	370	< 65
BST900	Belt	750 (30inch)	630	1400	22000	370	< 65
BST1000	Belt	900 (36inch)	610	1400	25000	750	< 65
BST1100	Belt	1000 (40inch)	600	1400	32500	750	< 65
BST1220	Belt	1100 (44inch)	460	1400	38000	750	< 64
BST1380	Belt	1270 (50inch)	439	1400	44000	1100	< 64
BST1530	Belt	1400 (56inch)	325	1400	55800	1500	< 64

Fiberglass Negative Pressure Fans

Appearance Display

The fiberglass material gives the fans a sleek and durable appearance.
Highlighted features include corrosion resistance and aging resistance, making them suitable for harsh environments.

Working Principle

Similar to galvanized fans, these units create negative pressure to expel hot air and draw in cooler air.
The fiberglass construction enhances durability and longevity in corrosive or humid conditions.

Performance Parameters

Performance metrics include high air volume, efficient air pressure, and low power consumption.
Compared to galvanized fans, fiberglass fans offer enhanced corrosion resistance and longer service life.

Advantage Comparison

Fiberglass fans outperform other materials in environments with high humidity or chemical exposure. Their lightweight design and corrosion resistance make them a superior choice for long- term use.

Fiberglass Negative Pressure Fans argument

model	Air flow rate	power	weight	noise	speed	size
PCP-550	10000m³/h	370w-6p	37kg	≥45db	850r/min	550×550×460mm
PCP-650	12000m³/h	370w-6p	40kg	≥45db	850r/min	650×650×460mm
PCP--850	28000m³/h	370w--8p	46kg	≥55db	620r/min	850×850×480mm
PCP-1060	32000m³/h	550w-10p	51kg	≥55db	520r/min	1060×1060×550mm
PCP-1260	37000m³/h	750w-10p	65kg	≥65db	520r/min	1260×1260×560mm
PCP-1460	45000m³/h	750w-10p	72kg	≥65db	460r/min	1460×1460×580mm

Cooling Curtains（Cooling Pad）

Appearance Display

Display images of cooling curtains, showcasing the curtain sheets and sturdy frames.
Highlight the sleek design and easy installation process.

Working Principle

Cooling curtains lower the temperature of incoming air through evaporative cooling. Water evaporation absorbs heat, providing a natural and energy- efficient cooling method.

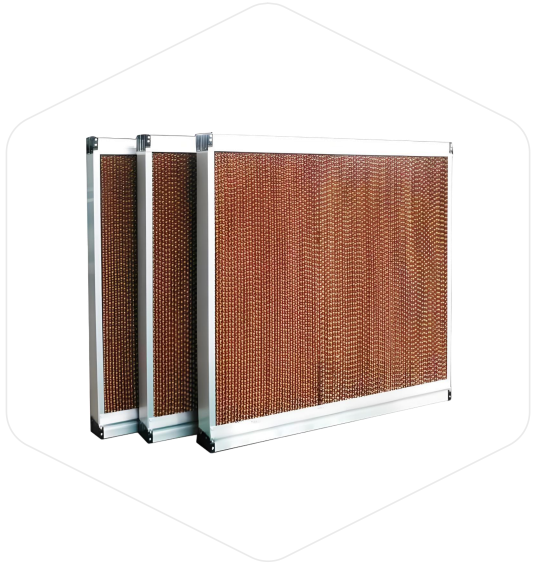
Performance Parameters

Key parameters include high cooling efficiency, effective humidification, and superior air filtration.
These curtains enhance air quality while maintaining a comfortable and cool environment.

Supporting Use

Combining cooling curtains with negative pressure fans maximizes cooling effects. This integrated solution ensures optimal temperature control and energy efficiency.

Cooling Curtains（Cooling Pad）custom

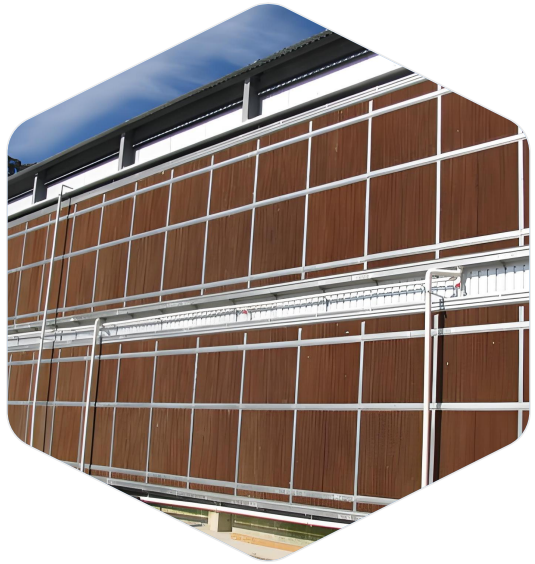


Cooling curtain

Various specifications, support customization

Water curtain paper core

Multiple colors, support customization



Water curtain wall

The whole wall of water curtain, the cooling effect is better

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Product Advantages

Efficient Cooling

Data Comparison

The chart shows that after installing our product, the temperature of the virtual currency mine decreased significantly. Reach the safe operating temperature of the equipment, improve the performance and life of the equipment.

Actual Cases

Case studies demonstrate how our cooling solutions resolved high- temperature issues in various facilities.
Examples include a [location] mining farm that achieved stable operations and reduced equipment failures.

Energy-Saving and Low-Noise

01

Energy-Saving Data

Compared to traditional cooling methods, our fans and cooling pad reduce energy consumption by up to 26%.
This translates to significant cost savings for customers while maintaining effective cooling.

02

Noise Test

Noise level tests show our products operate at low decibel levels, minimizing workplace disturbances. Quiet operation ensures a comfortable working environment without compromising cooling efficiency.

Durable and Reliable

Material Characteristics

Galvanized steel and fiberglass materials ensure durability and corrosion resistance.
These materials withstand harsh conditions, extending the product life cycle.

Service Life

Our products have an expected service life of over 5 years, backed by rigorous quality control.
Long- lasting performance reduces the need for frequent replacements, offering long- term value.

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Customization Services

Customization Requirements

Specification Customization

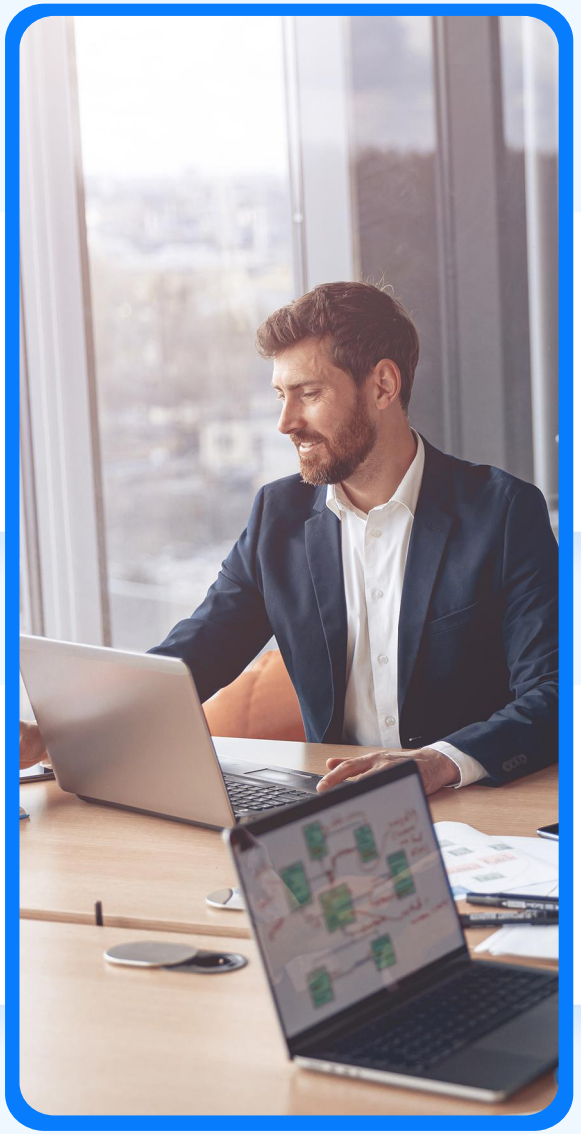
We offer fans and cooling pad in a variety of sizes and configurations to meet our customers' needs.

Customization options include customizing the motor, air volume, fan speed and cooling pad size.

Functional Customization

Customers can request additional features such as motor power, motor voltage, drive mode and water curtain frame.

Our team works closely with our customers to develop customized solutions that meet specific requirements.



Customization Cases

Successful Cases

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Quality Assurance

Strict Testing

Testing Process

Products undergo comprehensive testing from raw material inspection to final product verification. Tests include performance evaluation, reliability assessment, and safety checks to ensure compliance with standards.

Testing Equipment

Showcase our state- of- the- art testing facilities and advanced equipment. These tools enable precise measurements and quality control, guaranteeing product excellence.

Quality Inspection System

01

Quality Inspection Standards

We adhere to stringent domestic and international quality standards.
Our inspection system ensures every product meets these standards before delivery.

02

Quality Certifications

Our company has ISO quality system certification and CE certification and UL certification.
These certifications validate our commitment to quality and reliability.

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Application Cases

Virtual Currency Mining Farms

01.

Case Background

A virtual coin mine is located in a hot area, a large number of miners continue to operate to produce extremely high heat, conventional heat dissipation is difficult to meet, equipment performance is affected, and efficient cooling solutions are urgently needed.

02.

Solution Provided

Install galvanized negative pressure fan, quickly discharge hot air, with cooling water curtain, using the principle of water evaporation and heat absorption, introduce cold air to form a circulating cooling system.

03.

Application Effect

The mine temperature is significantly reduced, stable in the appropriate range, the mining machine operation failure rate is significantly reduced, and the computing power is improved, which ensures the efficient and stable development of virtual currency mining.

Data Processing Centers

01

Case Background

A large data processing center with dense servers and great heat dissipation load. An energy-saving and efficient heat dissipation solution is urgently needed to ensure the stable operation of the equipment.

02

Solution Provided

The galvanized negative pressure fan is rationally arranged in the data center, and the cooling water curtain is used to draw out the hot air through the negative pressure, and the cold air flows into the water curtain to build an efficient cold and hot circulation system.

03

Application Effect

The temperature of the data center is accurately controlled, the operation stability of the equipment is greatly improved, the failure rate is reduced by more than 50%, the energy consumption is significantly reduced, and the operating cost is effectively saved.

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07

Cooperation Negotiation

Cooperation Modes

Sales and Installation

Provide comprehensive sales and guided installation services to ensure seamless connection product deployment.
Our team provides expert guidance and support throughout the process.

After-Sales Support

Provide ongoing after- sales support, including maintenance, repairs, and technical assistance. Our goal is to ensure long- term satisfaction and optimal product performance.

Contact Information

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Thank-You Message

Expression of Gratitude

Thank customers for their attention and support.

Express our eagerness to collaborate and build long-term partnerships.

Copyright Information

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Thank you all

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