

# 铭振电子

## About Mingzhen

浙江铭振电子股份有限公司，始创于1996年，位于浙江省温岭市，自成立以来，以其卓越的技术创新和严格的质量控制，迅速成长为行业内的佼佼者。作为一家领先的高科技企业，我们专注于AC/EC高效节能风机的研发、生产和销售，旨在为全球的暖通、冷链、数据中心、储能和新能源等多个领域提供先进、环保的空气技术解决方案。

铭振电子拥有广泛的产品线，包括轴流风机、前倾单/双进风离心风机及后倾离心风机等。产品以高效节能、环保耐用著称，已广泛应用于各行各业，深受客户好评。依托国际先进的生产设备与技术，加之我们严格的质量管理体系，确保了每一件产品的卓越性能和可靠性。此外，我们的产品已通过CCC、CE、UL、ROHS等国际认证，为全球用户提供了强有力的品质保障。

在追求卓越的过程中，铭振电子始终将科技创新作为发展的核心动力。我们与国内外知名高校和研究机构建立了紧密的合作关系，共同成立“联合研究中心”，致力于前沿技术的研究与开发。这样的合作模式不仅加速了新产品的研发，也为公司的持续成长提供了坚实的技术支撑。

面向未来，铭振电子积极布局国际市场，与欧洲等地区的高端电机制造商建立了深度的战略合作关系。通过资源共享、优势互补，为客户提供更加多样化和专业化的产品选项，共同开发新的市场机会。

客户是我们发展的根基。铭振电子坚持以客户为中心，建立了完善的销售和售后服务体系，确保每位客户从选购到使用过程中都能获得周到细致的服务。我们的目标是，通过不断的努力和创新，解决客户的实际需求，让合作变得更加简单、高效。

铭振电子承诺，将继续秉承“精于心，工至动”的企业文化，致力于成为全球领先的空气技术解决方案提供者。将不断探索和创新，致力于推出更多具有市场竞争力的产品和服务，为全球客户带来“创新、智能、绿色”的风机解决方案。与此同时，我们也将持续探寻新的发展机会，与海内外伙伴携手共创更加辉煌的未来。

Zhejiang Mingzhen Electronics Co., Ltd., founded in 1996 and headquartered in Wenling, Zhejiang Province, China, has rapidly risen to prominence within its industry through its commitment to technological innovation and stringent quality control measures. As a leading high-tech enterprise, our core focus lies in the development, production, and supplying of high-efficiency, energy-saving AC/EC fans, aimed at delivering advanced and environmentally friendly air technology solutions to a global clientele across various sectors, including Heating, Ventilation, and Air Conditioning (HVAC), cold chain logistics, data centers, energy storage, and new energy applications.

Mingzhen boasts an extensive product range that includes axial fans, forward-curved single/double-inlet centrifugal fans, and backward-curved centrifugal fans. Renowned for their efficiency, eco-friendliness, and durability, our products are widely applied across numerous industries and have garnered accolades from customers worldwide. Leveraging state-of-the-art production facilities and technology, alongside our rigorous quality management system, we ensure the superior performance and reliability of every product. Additionally, our offerings have received international certifications such as CCC, CE, UL, and ROHS, providing a solid guarantee of quality to our global user base.

In our pursuit of excellence, Mingzhen places technological innovation at the core of our growth strategy. We have forged close partnerships with renowned universities and research institutions both domestically and internationally, establishing “Joint Research Centers” dedicated to the research and development of cutting-edge technologies. This collaborative approach not only accelerates the development of new products but also solidifies our technological foundation for sustained growth.

Looking ahead, Mingzhen is actively expanding into international market, establishing deep strategic partnerships with top-tier electric motor manufacturers in Europe and other regions. Through resource sharing and leveraging complementary strengths, we offer our customers a more diverse and specialized product selection, jointly exploring new market opportunities.

Our customers are the cornerstone of our development. Adhering to a customer-centric philosophy, Mingzhen has developed a comprehensive sales and after-sales service system, ensuring meticulous and considerate service for every customer from purchase to usage. Our goal is to simplify cooperation and enhance efficiency through continuous effort and innovation, addressing the real needs of our customers.

Mingzhen pledges to continue upholding our corporate culture of “precision in spirit, dedication in action,” striving to become a global leader in air technology solutions. We are committed to ongoing exploration and innovation, aiming to introduce more competitive products and services to the market and provide “innovative, intelligent, green” fan solutions to our global customers. Meanwhile, we will continue to seek new development opportunities, collaborating with partners domestically and internationally to forge a brighter and greener future together.





# 发展历程

## Development History

1996



- 温岭市森达电器厂成立
- 创始人:陈学森和孔丽华
- Wenling Senda Co., Ltd was established.
- Founders: Chen Xuesen and Kong Lihua

2004



- 更名为温岭市三木机电有限公司
- 公司通过ISO9001;2000质量管理体系认证
- 产品通过中国CCC认证和欧洲CE认证
- Renamed as Wenling Sanmu Electromechanical Co., Ltd
- The company has passed ISO9001; 2000 Quality Management System Certification
- Our products passed China CCC certification and Europe CE certification

2009



- 荣获“市级高新技术研究开发中心”
- 荣获“市级企业技术中心”
- Won the “Municipal High-tech Research and Development Center” Award
- Won the “Municipal Enterprise Technology Center” Award

2012



- 荣获“省级高新技术研究开发中心”
- 出口额占比达到50%
- Won the “Provincial High-tech Research and Development Center” Award
- Exports accounted for 50%

2018



- 更名为浙江铭振电子股份有限公司
- 成立青岛铭振电子科技有限公司
- 成立上海森赞进出口贸易有限公司
- Renamed as Zhejiang Mingzhen Electronics Co., Ltd
- Qingdao Mingzhen Electronic Technology Co., Ltd. was established
- Establishment of Shanghai Senyun Import and Export Trade Co., Ltd

2021



- 荣获市专精特新“小巨人”奖
- 荣获“国家工业节能技术装备”奖
- 连续两年被评为温岭市科技创新二十强
- Won the “Little Giant” award of the city
- Won the “National Industrial Energy-saving Technology and Equipment” Award
- Ranked as the top 20 scientific and technological innovation enterprises in Wenling for two consecutive years

2022



- 荣获2022年省级第四批“专精特新”中小企业
- 荣获“2022年省级隐形冠军企业”
- 荣获“2022年省级企业研究院”
- Won the fourth batch of “specialized and new” small and medium-sized enterprises at the provincial level in 2022
- Awarded the “2022 Provincial Invisible Champion Enterprise”
- Awarded the “2022 Provincial Enterprise Research Institute”

2023



- 荣获2023年度“浙江出口名牌”荣誉
- 荣获省内首台(套)标准认定
- 荣获温岭市政府质量提名奖
- Our brand is recognized as a “Zhejiang Export Premium Brand” in 2023
- Awarded the first provincial standard certification for a set of equipment
- Received the Quality Nomination Award from the Wenling Municipal Government

2024



- 新厂区规划筹建,实现自动化智能化生产及智能仓储管理
- New plant planning and preparation, to achieve automated smart manufacturing and smart storage management

# | 选型软件

## Selection software

## 更精准 更高效

### More Accurate, More Efficient

选型软件V2.4.4.0是专门为工程师打造的强大工具，它能快速定位到符合设计需求的风机产品。简洁直观的界面，可以轻松查看到风机的性能曲线及详细参数数据，确保所选产品完美匹配您的设计需求。

此外，该软件还提供了性能参数的快速导出功能，支持将选型结果列表或对应产品的技术规格书以PDF格式保存。这些技术规格书包含了产品的全面性能数据、测试报告和使用注意事项，为您的项目设计和产品应用提供了极大的便利和参考价值。软件具备了先进的计算功能，能够根据用户设定的任意工作条件，精确计算出产品的性能参数。这一特点尤其适用于那些需要精细匹配其配套产品设计的用户，帮助他们优化设计，提高系统的整体效率和性能。

我们的选型软件还提供了EC无蜗壳风机阵列(墙)的优化选型计算功能。这一创新功能可以为空气处理单元(AHU)、模块化机组以及多台设备并联运行的场景提供专业的设计参考。通过优化选型计算，不仅能够最大限度地降低产品的生命周期成本，还能显著提升系统的节能效果，助力客户实现更为经济、环保的运营目标。

浙江铭振电子股份有限公司的风机选型软件，以其用户友好的设计、强大的功能和专业的选型建议，已成为众多合作伙伴信赖的辅助工具。我们致力于不断升级和完善软件功能，以满足行业不断发展的需求，为客户提供更为高效、便捷的服务体验。

立即体验我们的风机选型软件，开启您的高效设计之旅。

The Selection Software V2.4.4.0 is a powerful tool crafted specifically for engineers, enabling quick selection of fan products that meet design requirements. Its streamlined and intuitive interface allows for easy viewing of fan performance curves and detailed parameter data, ensuring the chosen product seamlessly integrates with your design needs.

The software offers a rapid export feature for performance parameters, enabling you to save selection results or the corresponding product technical specifications in PDF format. These specifications include comprehensive performance data, test reports, and usage precautions, greatly facilitating your project design and product application. Equipped with advanced calculation capabilities, the software can precisely determine product performance parameters under any user-defined working conditions. This feature is particularly useful for users who require precise matching of complementary product designs, assisting in optimizing design and enhancing the overall efficiency and performance of the system.

Our selection software also features an optimized selection calculation function for EC centrifugal fan arrays (FanGrid). This innovative capability provides professional design references for air handling units (AHU), modular units, and scenarios involving parallel operation of multiple devices. Through optimized selection calculations, it is possible to minimize the life cycle cost of products to the greatest extent and significantly enhance the system's energy-saving performance, thereby assisting customers in achieving more economical and environmentally friendly operational objectives.

Zhejiang Mingzhen Electronics Co., Ltd.'s fan selection software, with its user-friendly design, robust functionality, and expert selection advice, has become a trusted auxiliary tool for numerous partners. We are dedicated to continuously upgrading and refining the software's features to meet the evolving demands of the industry, aiming to offer our customers a more efficient and user-friendly service experience.

Experience our fan selection software now and embark on your journey to efficient design.



使用我们的风机选型软件，仅需三步即可快速定位到最适合您需求的风机产品：

Using our fan selection software, you can quickly find the fan product that best suits your needs in just three steps:

### ① 设置风机类型及尺寸：

根据您的项目需求选择相应的风机类型(如轴流风机、离心风机等)及所需的尺寸规格。

### ② 设置工况点：

输入您的具体工作条件，包括所需的风量、风压等关键工况参数。软件将根据这些信息计算和推荐最适配的风机型号。

### ③ 挑选合适型号：

软件会展示与您的工况点相匹配的风机型号及其详细参数，可以查看每个型号的性能曲线、技术规格等信息。根据这些数据，您可以进一步比较和挑选出最合适的风机型号。

### ① Set the fan type and size:

Select the appropriate fan type (such as axial fan, centrifugal fan, etc. ) and the required size specifications based on your project needs.

### ② Set the operating conditions:

Enter required operating parameters, including required airflow, pressure, and other key operational parameters. The software will calculate and recommend the fan model that best matches these criteria.

### ③ Select the appropriate model:

The software will display fan models that match your operating conditions, along with their detailed parameters. You can view performance curves, technical specifications, and other information for each model. Based on this data, you can further compare and choose the most suitable fan model for your needs.

通过这三步，不仅能快速找到满足具体工况需求的风机，还能确保选型过程的高效和准确。风机选型软件旨在简化设计流程，提高工作效率，确保每一次选型都精准无误。立即体验，让复杂的选型过程变得简单快捷。

Through these three steps, not only can you quickly find a fan that meets your specific operational requirements, but you can also ensure the selection process is efficient and accurate. The fan selection software is designed to simplify the design process, improve work efficiency, and ensure that every selection is precise and error-free. Experience it now and make the complex selection process simple and swift.



# | 研发中心

## R&D Center

### 中国-温岭

#### China-Wenling

总部/研发制造中心  
Headquarters/R&D and Manufacturing Center

- 成立于1996年
- 高新技术研究开发中心
- 风机研发、制造、销售为一体
- 测试中心荣获CNAS认证
- Since 1996
- High-Tech Research and Development Center
- Integrated R&D, manufacturing, and sales of fan
- The testing center was awarded CNAS certification

### 中国-青岛

#### China-Qingdao

驱动研发中心  
R&D Center for Drives and Motors

- 成立于2018年
- 高新技术企业
- 驱动、传感、控制一体化解决方案
- Since 2018
- High-Tech Enterprise
- Integrated solution for drive, sensing, and control

### 风机性能测试

#### Fan performance test



- 实现风量与噪音实时同步测试
- 符合标准: ISO5801(GB/T1236)和AMCA210-16
- 测量风机风量范围: 30~45000m³/h
- 测量风机尺寸范围: 直径4~130cm
- 测量风机噪声范围: 背景声压20dB(A)适用频率范围50~20000Hz
- Realize real-time synchronous test of air volume and noise
- Compliance standards: ISO5801(GB/T1236) and AMCA210-16
- Measuring fan air volume range: 30~45000m³/h
- Measuring fan size range: diameter 4~130cm
- Measurement fan noise range: background sound pressure 20dB(A) Applicable frequency range 50~20000Hz

### 电机性能测试

#### Motor performance test



- 符合GB/T 14711-2013《中小旋转电机通用安全要求》和GB/T 755-2019/IEC 60034-1:2017《旋转电机 定额和性能》
- According to GB/T 14711-2013 and GB/T 755-2019/IEC 60034-1:2017 Standard

### 风机可靠性测试

#### Fan reliability test



- SH8910: 依据GB2423、IEC60669-1:2002 (clause15) IEC60884-1:2004(clause 16)标准
- 温度 -60°C~+150°C
- SH8910: According to GB2423, IEC60669-1:2002(clause15) IEC60884-1:2004 (clause 16) standard
- Temperature -60°C~+150°C

### 防水等级测试

#### Waterproof rating test



- 符合标准: IEC60529(GB4208)、GB/T2423
- 测量能力范围: IPX1-X8
- 测量尺寸范围: Max W1500•D1500•H1200(mm)
- Compliant with standards: IEC60529(GB4208), GB/T2423
- Measuring capability range: IPX1-X8
- Measurement size range: Max W1500•D1500•H1200(mm)

### 防尘等级测试

#### Dust class test



- 符合标准: IEC60529(GB4208)、GB/T 10485防尘试验方法、GB/T 4942.1-2006中防尘风机 IP5X.6X
- 测量尺寸范围: Max W1500•D1500•H1200(mm)
- Standard: IEC60529(GB4208), GB/T 10485 dustproof test method GB/T 4942.1-2006 Dustproof fan IP5X.6X
- Measurement size range: MaxW1500mm•D1500mm•H1200mm

### 防腐等级测试

#### Corrosion rating test



- 满足GB2423.17《电工电子产品基本规程试验Ka》，盐雾试验方法及GB10587、GJB150、DIN50021持续盐雾等及国际标准实现中性盐雾试验(NSS试验)、醋酸盐雾试验(ASS试验)、盐雾试验(SS试验)、铜加速醋酸盐雾试验(CASS试验)等盐雾试验方法
- Meet GB2423.17 "Basic Regulations of Electrical and electronic products Test Ka", salt spray test methods and GB10587, GJB150, DIN50021 continuous salt spray and other international standards, Salt spray test methods such as neutral salt spray test (NSS test), acetate spray test (ASS test), salt spray test (SS test) and copper accelerated acetate spray test (CASS test) are realized



# | 行业应用

## Industry



更多行业应用  
请扫码

### 制冷与空调

#### Refrigeration and Air-conditioning

制冷技术广泛应用于冷却塔中, 其中风机发挥着基础作用。在冷却塔中, 及时排放汽化后的冷却介质对于降低塔内温度至关重要, 这样可以最大程度地保障冷却介质的制冷效果。这也是影响冷却塔工作效率的重要条件之一。

Refrigeration technology is widely used in cooling towers, with fans playing a fundamental role. In a cooling tower, ensuring timely discharge of vaporized cooling medium in the tower is critical for lowering internal temperatures and maximizing refrigeration efficiency. Therefore, fans significantly impact the overall effectiveness of the cooling tower.

### 数据中心

#### Data Center

风机在数据中心中扮演着重要的角色, 主要用于散热、空气循环和节能等方面。作为数据中心散热系统中的基本组件之一, 风机通过产生气流, 将设备产生的热量传递到热交换器, 并将热空气排出, 以维持设备的正常工作温度。

Fans play an important role in data centers, mainly for heat dissipation, air circulation and energy saving. Serving as fundamental components of the data centers' cooling system, fans generate airflow, transfer heat generated by equipment to heat exchangers, and expel hot air to maintain equipment at optimal working temperatures.

### 能源与环境

#### Energy and Environment

铭振电子始终重视在能源和环境方面的社会责任, 致力于提供最佳解决方案, 包括为您选择合适的配件、控制元件或将我们的产品集成到您的现有系统中的方案。我们相信铭振电子的顶尖技术能够提高产品性能、能效并降低能耗。

Mingzhen Electronics prioritizes social responsibility in energy and the environment. We are dedicated to offering optimal solutions, whether it's selecting appropriate accessories, control components, or seamlessly integrating our products into your existing system. We believe that our cutting-edge technology can enhance product performance, boost energy efficiency, and minimize energy consumption.

### 医疗净化

#### Medical Purification

在医疗设施中, 空气中的细菌、病毒和有害物质可能对患者的健康构成威胁, 因此保持空气的清洁和纯净至关重要。风机通过吸入空气并将其处理, 能够去除其中的污染物质, 如细菌、病毒和有害气体等, 然后将净化后的空气释放出来。

In medical facilities, airborne bacteria, viruses, and harmful substances can pose a threat to patients' health, making it crucial to maintain clean and pure air. Fans play a vital role in this process by drawing in and treating the air, effectively removing pollutants like bacteria, viruses, and harmful gases before releasing purified air.

### 冷库冷链

#### Cold Chain

SANMU风机能满足冷藏储存和冷链供应链应用的严格要求, 提供更高的效率和可靠性。高性能、低噪音, 确保了易腐物品的完整性, 同时优化了储存环境。EC风机凭借其可持续性和成本节约, 成为了现代冷链解决方案的理想选择。

SANMU fans meet the stringent requirements of cold storage and cold chain applications, offering higher efficiency and reliability. With high performance and low noise, they ensure the integrity of perishable goods while enhancing the storage environment. EC fans, with their sustainability and cost savings, have become the premier choice for modern cold chain solutions.

### 工业传动

#### Industrial Drive

浙江铭振确保了空压机的有效冷却, 延长设备寿命, 还能通过提高系统的整体能效, 降低了运营成本。SANMU风机的高效运转为空压机提供了稳定的气流, 保证了空压系统的连续、高效作业, 是空压机性能发挥不可或缺的重要部件。

Zhejiang Mingzhen ensures effective cooling of air compressors, extending equipment life and reducing operating costs by improving the overall energy efficiency of the system. The efficient operation of SANMU fans provides stable airflow for air compressors, ensuring the continuous and efficient operation of the air compression system. They are indispensable components crucial for the performance of air compressors.