

Bakon®

以科技为本 造世界品牌

BK5700-W

离子风机

IONIZING AIR BLOWER

使用说明

Instruction Manual

注意：

- 本品属于电气制品，应遵守安全事项，以免发生事故。
- 本说明书中，指出了预防事故发生的重要事项和产品的使用方法，请仔细阅读本说明书，安全使用本产品，阅读后，请妥善保管，以便查阅。
- Warning: This product is an electric tool. For your safety, please follow this manual when operating. Please keep this manual within reach.
- This manual points out how to operate and the matters which need attention. please read this manual in detail, and use it safely, after read, please keep it within reach.

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※ 本公司保留产品的设计变更及最终解释权，手册中图片仅供参考，产品以实物为准。

产品特性

- 大范围离子风区，且风速和风量可以调节；
- 吹风角度可以上下调节，有桌上型、带臂夹台式及悬挂式可供选择；
- 有专门的离子发射清洁器；
- 具有冷风加热功能及超温自动保护功能。

离子风机用途广泛，离子风机主要适用于电子产品的加工和组装、相机、手表和其他精密仪器和组装塑料薄膜的剪切、圈卷及覆膜，以及模具产品的脱模等过程。

工作原理

离子风机可产生大量的带有正负电荷的气流，可以将物体上所带的电荷中和掉。当物体表面所带为负电荷时，它会吸引气流中的正电荷，当物体表面所带为正电荷时，它会吸引气流中的负电荷，从而使物体表面上的静电被中和，达到消除静电的目的。

离子风机有横流风机提供风力，风力大小可由调速开关在一个很大的范围内进行调节。

电离器件：电离器件在高压发生装置产生的低电流高电压作用下，形成一个稳定的高压电场，电离空气形成离子体，由气体带出到达物体表面，达到中和静电的目的。电离器件上有专用的清洁器，可以清除电离针上灰尘，保持电离器件的正常工作。

离子风机有专用的离子平衡电路，可以达到离子的自动平衡。

离子风机的消除静电的功能，可以解决因静电作用引起的生产问题，如解决静电引起的吸尘问题，塑料制品加工时的粘合问题，静电排斥引起的小零件跳跃问题。

产品规格

功率	35W
输出电压	5.6KVAC
离子平衡	出厂时调至±10V以内(距离面板300mm)
风量	≤3.3m ³ /min
臭氧产生量	0.03ppm或以下(距离出风口中央150mm)
操作温度	0-50℃
有效范围	900 X1800mm

过滤装置	选件
外部尺寸	390(L) X 114(W) X 206(H)mm
重量	大约7.9kg

测试结果

测试条件			
操作电压:110V/220V		测试电压:1KV-100V	
		环境温度:22℃	
测试仪距离	中心线左300mm	中心线	中心线右300mm
300mm	1.2s	0.8s	1.1s
600mm	2.2s	1.5s	2.2s
900mm	3.9s	3.6s	3.8s
1200mm	5.6s	5.5s	5.9s

使用方法

■ 安装

离子风机机身轻便且使用寿命长。“U”形架用螺丝固定在机身侧面，使用时可对好位置后用梅花螺丝上好。

如果在特别脏的环境使用可选择过滤器安装。

离子风机要求220V、50Hz或110V、60Hz为使用电压，

■ 操作

首先打开电源总开关。

顺时针旋转调速器开关到指示灯亮即打开风机，产生离子气流，调大风机风速，可将调速器开关顺时针旋转，调到“关”的位置指示灯灭，表示风机关机。

调节气流方向需调松支架梅花螺丝，倾斜机身调整上下位置，调好后再上紧支架螺丝。

需要加热离子风时，打开加热开关，即可将风机吹出的离子风加热。

清洁离子发射架，左右滑动清洁头手柄，即可清洁离子针。

带有超温自动保护电路，当温度过高时，会自动断开加热电源。

■ 保养

离子风机是以常保养低维修为目标的

A 发射器的清洁

清洗发射器的发射点，左右滑动清洁毛刷，直到清洁干净离子发射针尖，每周至少一次。

B 空气进、出口的清洁

空气入口网和电离出口网应保持清洁以防阻塞气流，可以用软毛刷清洁或压缩空气清洁。

C 离子平衡度测量

用离子测试仪来测量离子平衡度（残留电压）。

D 静电消除时间测试

用静电分析仪或负荷监控板测静电消除时间。

E 校准

离子风机，对离子量的输入设计是平稳的、固定的。由于受到电压波动、环境空气干湿度等因素影响会形成离子平衡度（残留电压）的偏移，偏移量标准： $0v \pm 10v$ 。

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Our company has the right for the change of design and final explanation. The pictures in the product manual just serve as a guide line, all are subject to our actual products.

Product performance

- The effective coverage is big, air speed and volume adjustable.
- Air blowing up and down direction is adjustable, bench top, clamp and overhead type to choose from.
- Special Ion emitter cleaner .
- Come with warm air blowing and over heat protecting function.

The ionizer is applied to a wide range of applications, including electronic manufacturing, and assembling, camera and watches assemble and assembling of other precise instruments, plastic film cutting, film laminating, demolding.

Technical Data

Horizontal Ionic Wind Machine can produce large quantity of air current with positive or negative electric charge, which counteract the electric charges on the object. When the object surface has negative electric charge, it attracts the positive one from the air current, or vice versa, thus the electric charge on the object surface is neutralized and the static is removed.

Horizontal Ionic Wind Machine has a transverse wind machine to provide the wind, the volume of which can be adjusted in a wide range by a speed switch.

Ionization Component: the ionization component forms a steady high-voltage field under the effect of low-current high-voltage produced by the high-voltage apparatus, and the air is ionized to become ions which is carried out by the air current to the object surface to neutralize the static. The ionization component has a special cleaner to clear the dust on the ion emission needle for the normal condition of the component.

Horizontal Ionic Wind Machine has a special ion balance circuit that assures the automatic ion balance.

The static removal function of the Horizontal Ionic Wind Machine solves the problems in production caused by static effects, such as the absorbed dust, conglutination in the processing of plastics, leap of the small parts due to static exclusion.

Technical parameter

Power consumption:	35W
Output voltage:	5.6KV AC
Ion balance:	+/-10V (distance to the testing panel 300mm)
Air Output	70~190CFM
Ozone production :	<0.03ppm or lower (150mm away from blower)
Operating temperature:	0-50 C
Cover area:	900*1800mm
Filter:	optional
Size:	390(L)*114(W)*206(H)mm
Weight :	about 7.9kg

Testing result

Testing Instrument				
Operation Power:110V/220V		Testing Power:1KV-100V		Temperature:22°C
Distance	Left to the center line 300mm	Center line	Right to the center line 300mm	
300mm	1.2s	0.8s	1.1s	
600mm	2.2s	1.5s	2.2s	
900mm	3.9s	3.6s	3.8s	
1200mm	5.6s	5.5s	5.9s	

Operation instructions

■ Installation

Horizontal Ionic Wind Machine is light-weighted and has long lifetime. The "U" rack is fastened on the lateral side of the case by screws, one can use the hex screws to fix the machine on the right position before use.

In very dirty environment the installation with filters is recommended.

Horizontal Ionic Wind Machine requires working voltage of 220V/50Hz or 110V/60Hz.

■ Operation

First, turn on the power switch.

Turn the speed switch clockwise until the indication lamp is on, by then the machine is started. Turn the speed switch clockwise further to increase the wind speed, or turn it to the 'OFF' position by then the lamp is off and the machine is shut down.

To adjust the wind direction, loosen the rack screws and adjust the vertical angle of the case to the proper position, then tighten the rack screws again.

To heat the ionic wind, turn on the heating switch, then the wind from the machine is heated.

To clean the ion emission frame, slide the handle for the cleaner head right and left, the ion needle is then cleaned.

When the temperature is too high, the overheating protection circuit will cut the power for further heating.

■ Maintenance

The ion wind machine is designed for more maintenance and less repair.

1. Clean the emission component

To clean the emission point, slide the cleaning brush right and left until the emission needle head is clean. The cleaning should be at least once a week.

2. Clean the air input and air output

The air input net and ion output net should be clean to avoid block of air current. Soft brushes or compressed air can be used for the parts.

3. Ion balance measurement

Use the Ion testing instrument to measure the ion balance (residual voltage).

4. Removal time of the static measurement

Use the static analysis instrument or the load monitoring board to measure the removal time of the static measurement.

5. Calibration

The ion input of the Horizontal Ionic Wind Machine was designed to be steady and fixed. Because of the voltage fluctuation or air humidity in the environment and other factors, the ion balance (residual voltage) can be shifted by a magnitude of $0v \pm 10v$.

产品保修卡 (主卡)

Repair Warranty (Principle)

产品型号: _____ Model: _____
使用单位: _____ Customer: _____
出厂编号: _____ Product No: _____
出厂时间: _____ Date of Production: _____
购机日期: _____ Date of Purchase: _____
发卡人: _____ Issued by: _____

由购买日起, 提供_____月保修
From the date of purchasing, we provide _____ months repair warranty

售后服务客户意见书 (副卡)

After Sale Suggestion (Subordinate)

用户: _____
Customer: _____
发出日期: _____ 电话号码: _____
Delivery Date: _____ Tel: _____
用户地址: _____
Address: _____
经销商名称: _____
Distributor: _____
票据号码: _____ 发票日期: _____
Invoice NO: _____ Invoice Date: _____
产品型号: _____ 机身编号: _____
Product Model: _____ Product NO: _____

保修条例:

1. 用户须在购物后一个月内将保修登记卡副卡寄往本公司, 您方可享受我司提供的免费保修。
2. 保修产品时, 保修卡和购机单据, 若两者手续不全则不在免费保修范围。
3. 产品凡因人为损坏, 如: 不按说明书操作使用, 接入不当电源或非经本公司维修中心认可自行维修等, 均不属于本保修范围。
4. 保修期满后, 为了能更持久完善地为您提供服务, 我们将酌情收取成本费。

Warranty Terms:

1. The table for feedback from customers should be returned to our company within a month after the date of purchase. In this way, customers may enjoy one-month repair warranty.
2. Repair Warranty and Purchase Certificate should be presented. The warranty only applies when all the required documents are available.
3. The warranty does not apply when the equipment has received damage through abuse, carelessness, improper installation, accident or mishandling during shipment, connecting to improper line voltage, or has been serviced by anyone other than an authorized factory representative.
4. After the warranty period, we are ready to provide charged repair service, perfect as always.

尊敬的客户:

非常感谢您选用本公司产品, 为了进一步改善产品质量和加强彼此之间的交流, 敬请留下您宝贵的意见。

Dear Sir / Madam:

Thank you for purchasing our products.To improve our service and ensure the proper use of our products,please kindly write down your suggestions.

名称:
Name of Product: _____

采购日期:
Date of Purchase: _____

建议:
Your Suggestions: _____

包装:
Package: _____

性能:
Functions: _____

其它:
Others: _____

日期:
Date: _____

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合格证

GUARANTEE CARD

本产品经检验符合技术标准
The product conforms to the technical standards

检验员
Q.C. _____

深圳市白光电子科技有限公司
SHENZHEN BAKON ELECTRONIC TECHNOLOGY CO.,LTD.

产品保修卡

Warranty card

本产品保修期自购买日起十二个月内有效, 凡属产品质量问题, 凭本卡及收据由本公司负责免费维修。我公司收到返修机后, 2个工作日内修好并返还给客户。

The warranty is valid in one year since the purchase of this ,any quality problem found,please send back to us with courier fee to be collected,upon receipt of the returning unit,we will repair it and send back to customer within two working days.

注: 本产品返厂维修时, 必须附上保修卡, 否则将不予以免费维修, 谢谢合作!

Notice:Please enclose the warranty card along with the returning product, or else we have the right to reject the repairing,thanks for your corporation.

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