

废气处理自清洗设备 Waste Gas Treatment Self-cleaning Equipment



高强度紫外光
High-intensity ultraviolet light
高效去除异味
Efficiently removes odors
迅速净化废气
Quickly purifies exhaust gas
自我清洗功能
Self-cleaning function
没有化学污染
No chemical pollution
优质石英灯管
High-quality quartz lamp
寿命持久耐用
Long-lasting and durable

本产品使用高效除臭杀菌模组，能通过高能UV紫外灯管产生的紫外线和臭氧，将养殖场的臭气降解转化为无害的低分子化合物、水和二氧化碳，达到彻底净化除臭的效果。

This product uses an efficient deodorization and sterilization module, which utilizes high-energy UV lamps to generate UV and ozone that decompose and oxidize odorous molecules in livestock farms, such as pig pens, into harmless low-molecular compounds, water, and carbon dioxide, achieving thorough purification and deodorization.

型号 Model	GMY-PuriGlo-6X
输入电压 Voltage	AC100-240V
单根紫外线照度 UV Irradiance	> 350 $\mu\text{W}/\text{cm}^2$
处理风量 Airflow Rate	2000m ³ /h
功率 Power	1300W
产品尺寸 Size	1200*1000*1900mm
产品净重 Net Weight	59kg

处理气体:

苯、甲苯、二甲苯、非甲烷总烃、酯类等、氨、三甲胺硫化氢、甲硫氢、甲硫醇、甲硫醚、二甲二硫、二硫化碳、苯乙烯、硫化物等 VOC 气体

Treatment of VOC gases:

Benzene, toluene, xylene, non-methane total hydrocarbons, esters, ammonia, trimethylamine, hydrogen sulfide, methyl mercaptan, dimethyl sulfide, carbon disulfide, styrene, sulfides, etc.

应用场景

Application Scenarios



254nm+185nm光源 254nm+185nm Light Source

图片
Product Pic



规格 Model	UVD220D19-1200 G13	UVD100H17-532-GY10q	UVD150H17-810-GY10q	UVD250H17-810-GY10q
功率 Power	220W	100W	150W	250W
紫外线照度 UV Irradiance	> 350 $\mu\text{W}/\text{cm}^2$	> 300 $\mu\text{W}/\text{cm}^2$	> 150 $\mu\text{W}/\text{cm}^2$	> 250 $\mu\text{W}/\text{cm}^2$
尺寸 Size	Ø19*1200mm	Ø17*532mm	Ø17*810mm	Ø17*810mm
发光长度 Emission Length	1200mm	532mm	810mm	810mm
产品代码 Product Code	A0301007011000	A0301006003000	A0301006002000	A0301006001000

172nm光源 172nm Light Source

172nm准分子光的吸收系数约为185nm紫外光的20倍
The absorption coefficient of 172nm excimer light is approximately 20 times greater than that of 185nm UV light

图片
Product Pic



规格 Model	172E1000 D40×1532 (水冷却)	172E350D 40×495 (水冷却)	172E860D 40×957	172E172D 26.5×908
功率 Power	1000W	350W	860W	172W
紫外线照度 UV Irradiance @6mm	> 30 mW/cm ²	> 28 mW/cm ²	> 40 mW/cm ²	> 12 mW/cm ²
尺寸 Size	Ø40*1532mm	Ø40*495mm	Ø40*957mm	Ø26.5*908mm
发光长度 Emission Length	1390mm	353mm	860mm	842mm
产品代码 Product Code	A5201213002000	A5201210002000	A5201214001000	A5201215001000

GMV

WASTE GAS TREATMENT

LIGHTING TECHNOLOGY APPLICATION

光科技应用 废气处理



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企业介绍 Corporate Profile



广明源始创于1998年，总部位于中国广东江门，专注于光科技应用的研发与制造。我们通过专业光源部件以及技术领先的解决方案，为感控消杀、医疗健康、高端制造、环保净化、养殖业、设施农业、汽车照明以及卤素灯等领域提供专业的产品和服务。

广明源年产数亿只光源产品，行销全球一百多个国家和地区，获广东省名牌产品、广东省著名商标。公司拥有专业的研发团队，为广东省“专精特新中小企业”、广东省“企业技术中心”、国家“高新技术企业”、“博士后科研工作站”。我们期待与合作伙伴一起“以光科技赋能美好生活”，为客户创造价值，实现社会价值与商业价值共赢。

Since 1998, GMJ Lighting has evolved to become a photonics solutions provider.

GMJ solves problems with light and provides a wide range of solutions including 254nm and 222nm ultraviolet disinfection equipment, waste gas and wastewater ultraviolet disinfection module, 172nm excimer curing lamp, 172nm excimer cleaning lamp, medical light source, beauty rejuvenation IPL (Intense Pulsed Light) pulsed xenon lamp, plant supplementary light, and indoor vertical planting programs, etc.

GMJ produces hundreds of millions of light source products annually and sells them in more than 100 countries around the world. Our development and manufacturing campus spans an area of nearly 80,000 square meters, with over 600 employees. GMJ production has been reviewed and certified under ISO 9001, ISO 14001, SA8000, and IATF 16949 guidelines, which demonstrates our commitment to producing products of the highest quality that meet international standards.

At GMJ, we are dedicated to "Create better life with light." We provide customers with the best products, services, and solutions, and continuously strive to improve and innovate to deliver even greater value to our customers.

20多年光科技研发制造经验

More than 20 years of optical technology research and development and manufacturing experience

600+ 设计研发生产 销售团队 Design, research and production Sales team	274+ 知识产权 认证证书 Intellectual property rights Certification certificate	100+ 畅销全球 100多个国家 Sell well all over the world More than 100 countries	80000+ 8万m ² 工厂面积 80,000 square meters Plant area
 支持视频及 实地验厂 Support video and On-site factory inspection	 来样定制 来图打样 Sample Customization To make a sample	 专业定制 品牌代工 Professional Customization	 优质售后 High-quality After-sales Service

工厂实力 环境展示 Factory Environment



研发中心环境展示 R&D Center



各大展会现场 Exhibition Activities



我们的专业我们的责任 Our Responsibility



以专业产品回馈社会 Professional Contributions

2022年冬奥会防疫应用 Disinfection application for the 2022 Winter Olympic Games

冬奥会上，广明源为国家奥林匹克体育中心提供254nm消毒机，保障运动员用品消毒。

During the Winter Olympics, GMJ provided 254nm disinfection pass-through to the National Olympic Sports Center to ensure the disinfection of athletes' belongings.



冬奥期间，北京大学崇礼院区采用广明源222nm灭菌门，确保送货机器人物品消毒。



The designated hospital for the Winter Olympics employed GMJ's 222nm disinfection gate to ensure the disinfection of items delivered by robots.

助力上海抗疫 Help Shanghai fight COVID-19

上海疫情时，广明源捐赠复旦大学紫外线消毒设备，获央视报道。

During the Shanghai epidemic, GMJ donated UV disinfection equipment to Fudan University, which was reported by CCTV.



助力武汉防疫 Help Wuhan fight COVID-19

2020年，广明源助力武汉防疫，向雷神山等多家医院捐赠4000套消毒设备。

In 2020, GMJ supported Wuhan's epidemic prevention efforts by donating over 4,000 sets of disinfection equipment to various hospitals, including Leishenshan Hospital and Xiaogan Red Cross Society.



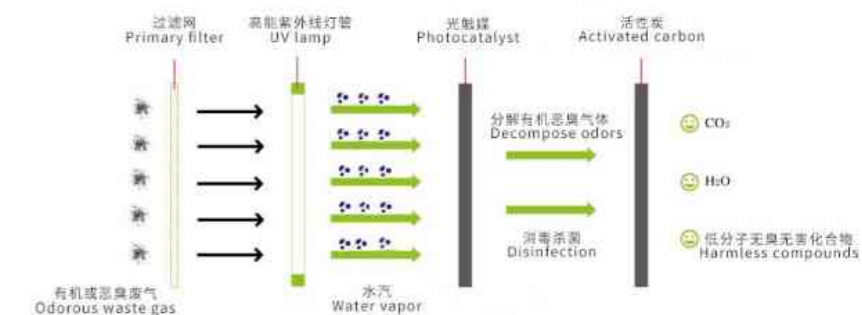
技术研发 合作高校 Cooperative Universities



紫外光解原理 Ultraviolet photolysis principle

将有机废气气体通过排风设备输入到装置内，利用高能UV紫外线光束和臭氧的协同分解氧化反应，将恶臭气体分解为低分子化合物、水和二氧化碳，最终通过排风管道排出室外。这种处理方式可以有效去除废气中的臭气。

Organic waste gas is introduced into the device through an exhaust system, where high-energy UV ultraviolet light and ozone work together to decompose and oxidize the odorous gas into low-molecular-weight compounds, water, and carbon dioxide. These substances are then released outdoors through an exhaust pipe. This treatment method effectively removes odors from waste gas.



应用场景 Application Scenarios

- 工业废气处理:** 如化工厂、石油加工、印刷及涂料行业产生的挥发性有机物 (VOCs)。
- 废物焚烧与污水处理:** 降低有害气体排放。
- 食品与制药产业:** 减少有害气体生成和排放。
- 能源设备:** 处理发电厂和锅炉产生的废气。
- 农业与畜牧业:** 应用于畜牧场、养殖场等，降低氨气、硫化氢等有害气体排放。
- 酒店、餐厅与厨房排烟:** 有效消除烟气中的油烟和异味等污染物。

- Industrial waste gas treatment:** For volatile organic compounds (VOCs) produced in chemical plants, oil processing, printing, and coating industries.
- Waste incineration and wastewater treatment:** Reduce harmful gas emissions.
- Food and pharmaceutical industries:** Decrease generation and emission of harmful gases.
- Energy equipment:** Treat exhaust gases from power plants and boilers.
- Agriculture and livestock:** Applied in farms and breeding sites to reduce ammonia, hydrogen sulfide, and other harmful gas emissions.
- Hotels, restaurants, and kitchen exhaust:** Effectively remove grease and odors from smoke and other pollutants.