GMY Lighting Technology Co., Ltd.

-Company Profile-

- To create better life with light -

Visit Our Factory

About GMY

GMY, founded in 1998 and headquartered in Jiangmen, Guangdong, China, is dedicated to the research, development, and manufacturing of lighting technology applications. Through specialized lighting components and advanced technologies, GMY provides solutions for advanced manufacturing, medical disinfection and control, medical health, environmental purification, and facility agriculture. GMY operates two subsidiaries: LumiAgro and LifeSun.

The company spans nearly 72,000 square meters and manufactures hundreds of millions of lighting products annually, which are exported to over 100 countries and regions worldwide. GMY has earned the titles of "Famous Brand Product of Guangdong" and "Renowned Trademark of Guangdong". With a professional R&D team, the company has been recognized as a "National High-tech Enterprise", a "Post-doctoral Research Workstation", and a "Guangdong Provincial Specialized & Sophisticated SME". We look forward to collaborating with our partners to "create a better life with light", delivering value to our customers and achieving a balance of social and commercial benefits.

Over 20 years of R&D experience in lighting technology applications and manufacturing.

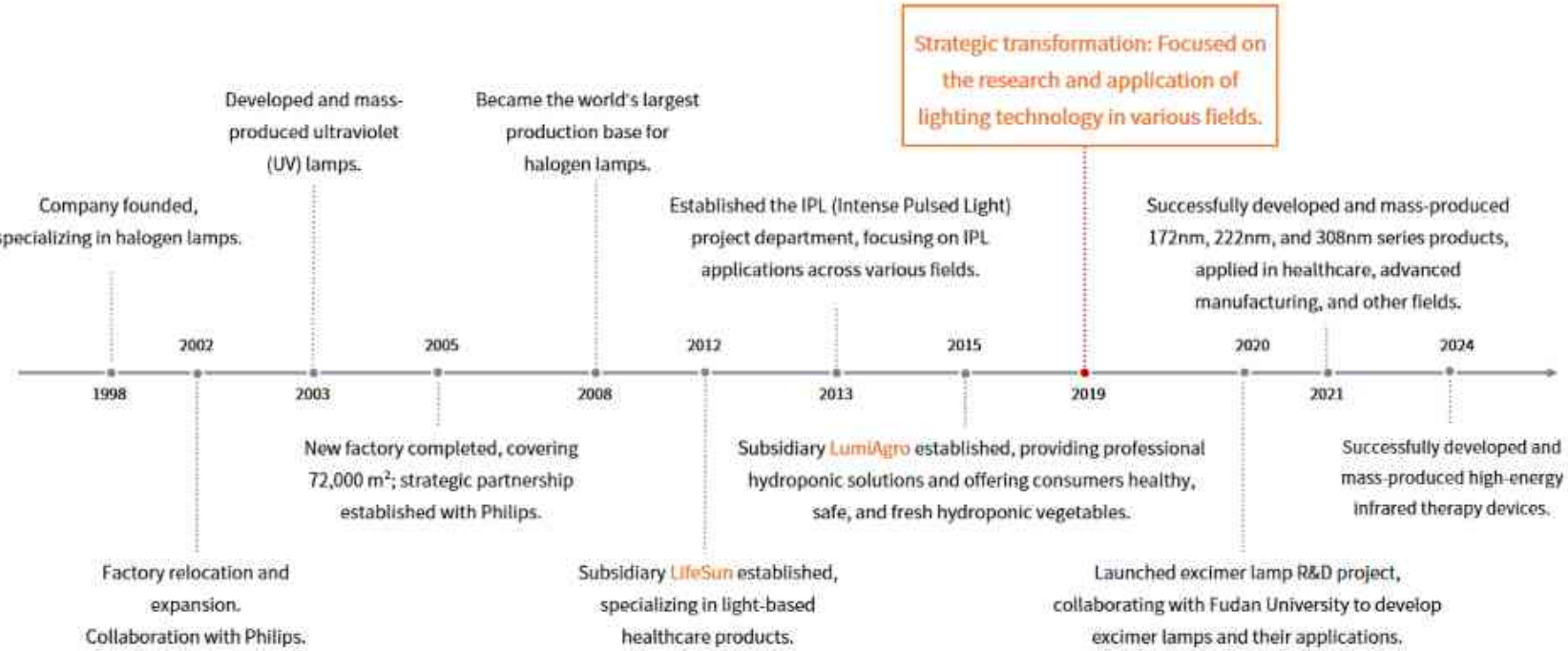
Covering an area of approximately 72,000 ㎡.

Awarded 200+ patent certificates.

Best-selling in over 100 countries and regions worldwide

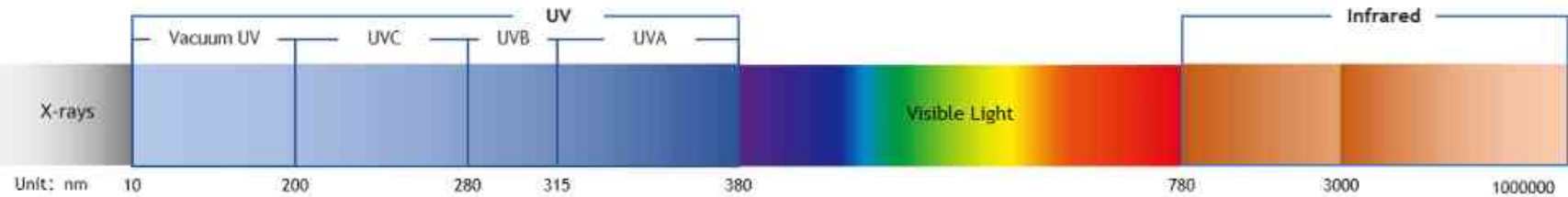
Post-doctoral research stations.

Development History



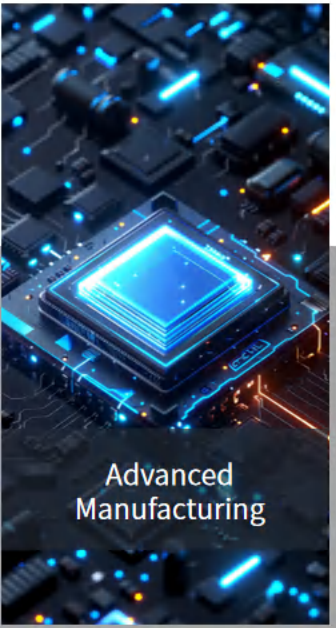
Our business is light

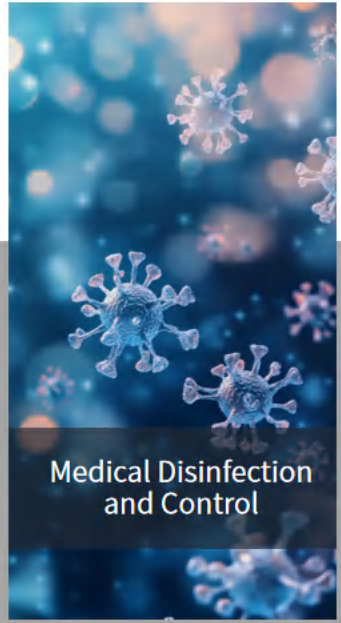
We develop products that meet specific application needs based on the different characteristics of light.

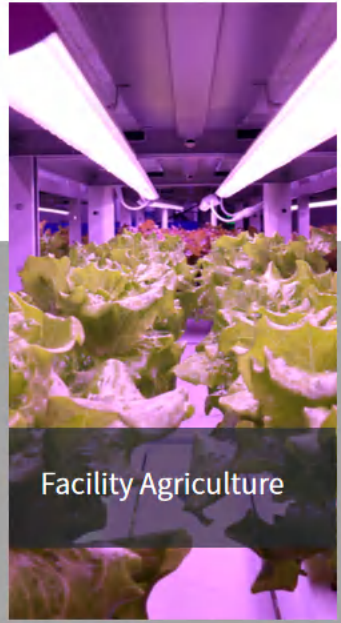


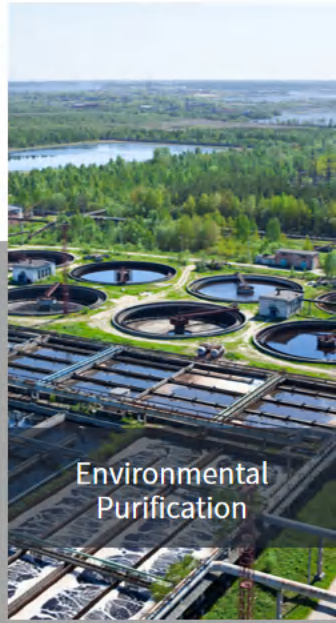
Wavelength	172nm	185nm	222nm	253.7nm	308nm	380-780nm	780nm-1000μm
Application	Surface finishing, cleaning, UV curing	Ozone generation	Human-safe disinfection	High intensity disinfection	Treatment of skin disease	General Lighting Special Lighting Plant Lighting	Heating, Physical therapy Home Beauty Device Light Source
Products	Excimer Lamps Photocleaning Module Photomodification Module	UVC lamps	222nm Light Source Lamp 222nm Module Elevator Smart Far-UVC Disinfection Lamp Far-UVC Sterilization Door	UVC disinfection desk lamps UV Air Purifier Central Air Conditioning Disinfector Surface Disinfection Machine	Medical skin treatment light source	Car lights halogen lamps plant lights	High-Energy Infrared Therapy Device LifeSun Light Therapy Lamp Infrared Therapy Lamps Animal heating lamps Milk Light Halogen Lamp

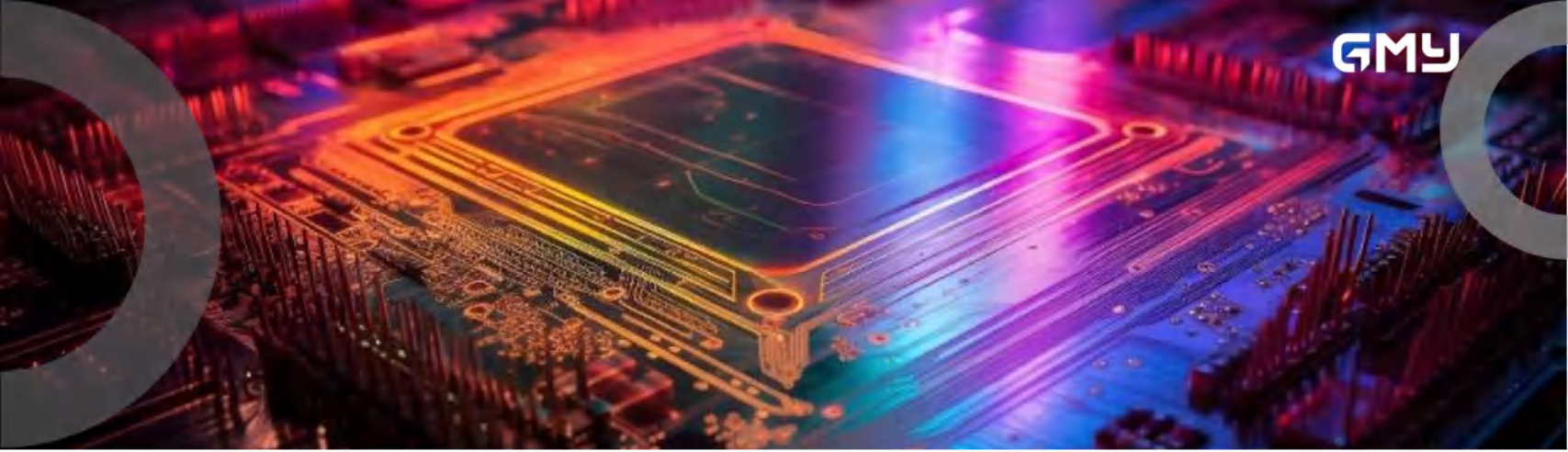
Empowering Five Major Fields











Light for Advanced Manufacturing

To reduce reliance on imported core light sources in advanced manufacturing, GMY develops 172nm excimer lamps and high-end equipment for applications like photocleaning, photocuring, photomodification, ultrapure water treatment, and VOC processing.

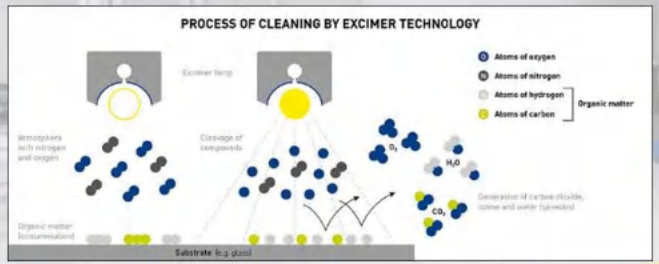
With strong production line design and customization capabilities, GMY offers tailored lighting components, modules, and equipment, supporting needs from experimental setups to large-scale production.

Through innovation in lighting technology, GMY strengthens domestic capabilities in semiconductors, display screens, and ultrapure water treatment, ensuring supply chain security and advancing industry development.

Advanced - Light Cleaning

GMY's 172nm UV light cleaning technology is based on the principle of photochemical oxidation. By irradiating the organic material's surface with UV light, it generates free radicals, oxidizing organics into water and carbon dioxide, effectively removing surface contaminants. We offer cutting-edge solutions widely used in the following fields:

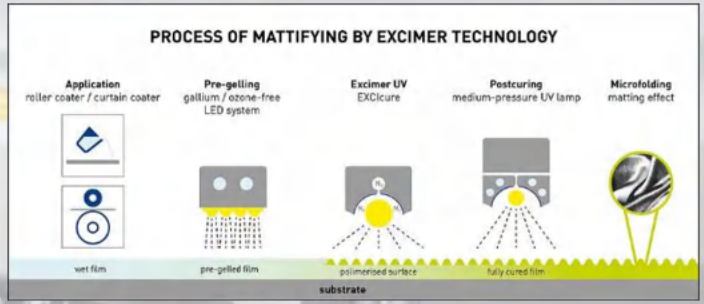
- Liquid crystal display devices
- Semiconductor silicon wafers
- Integrated circuits
- Optical devices
- Solar cell manufacturing
- Biopharmaceuticals
- Micro/nano-manufacturing



Advanced - Light Curing

GMY's 172nm excimer light curing technology harnesses high-energy 172nm UV light for rapid material curing with precise surface control. Compared to traditional UV curing, it shortens curing time and enhances surface modification effects. This technology is versatile across various fields:

- Coating and bonding
- Printing
- Inkjet
- 3D printing
- Packaging industry



Advanced - TOC removal

GMY offers innovative UV light systems that oxidize organic matter in water into CO_2 and H_2O molecules by generating free radicals, achieving TOC degradation and reduction. Our 185nm UV light source components are widely used in pure water preparation, while our advanced 172nm excimer lamp technology enables more efficient TOC degradation, especially suitable for ultra-pure water production.

- TOC removal for ultra-pure water production
- Micropollutant treatment in drinking water
- Pesticide residue decomposition
- Photocatalytic decolorization of textile dye wastewater
- High-purity ozone generation

Advanced - Improved hydrophilicity

GMY's UV lamps generate 172nm UV light, removing hydrocarbon compounds from material surfaces and enhancing hydrophilicity. In some cases, complete hydrophilization can be achieved, turning the entire surface wet and transforming droplets into liquid films.

- Titanium metal
- Silicon wafers
- Aluminum foil
- ITO glass substrates
- Plastics: PP, PC, PE, PMMA, PET, PVC, PS

	Silicon wafers	Itanium metal	Aluminum foil	ITO glass substrates
Before irradiation				
After irradiation				

Advanced -172nm Photomodification Module

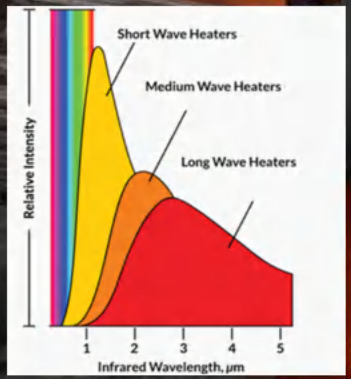
GMY

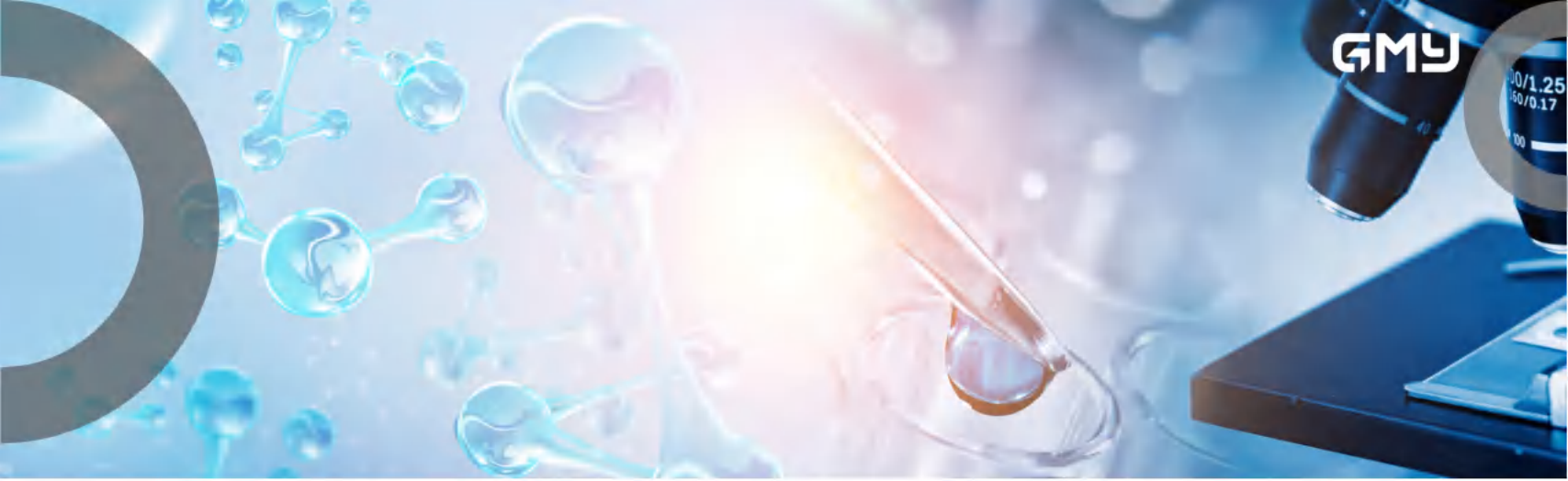
GMY 172nm Photomodification Module, designed specifically for dental implant activation hydrophilic devices, is mainly used for surface modification of materials in a vacuum environment. This module effectively activates the hydrophilicity of the implant surface through 172nm excimer photocatalytic technology, removes hydrocarbons from the titanium metal surface, thereby enhancing the bioactivity of TiO_2. GMY 172nm Photomodification Module has advantages such as high energy density, low reaction temperature, short reaction time, and large and uniform coverage area.

Near-infrared and Mid-infrared Heating

Infrared technology generates heat through electromagnetic wave transmission. In this process, part of the infrared radiation is absorbed by materials, some are reflected, and the rest penetrate through. Only the infrared radiation that is absorbed results in heating. By selecting infrared radiators of different wavelengths, various materials can be exposed for corresponding heating purposes such as paint curing, paint drying, and plastic welding.

GMY can precisely customize infrared radiators to meet the needs of specific materials and products. When the radiation spectrum of the infrared radiator highly matches the absorption spectrum of the material, the heating speed and efficiency of the material are optimized.





Light for Medical Health

GMY is dedicated to meeting the optical application needs of the medical and health sector, providing clients with customized solutions and core light source components for medical devices. Our solutions encompass 308nm dermatology treatments, IPL hair removal and skin rejuvenation, infrared phototherapy((including High-Energy Infrared Therapy Device and Little Sun energy lamps), and 172nm dental implant technologies. In addition, we offer core light source components for medical devices such as blood analyzers and surgical electrosurgical units. Our products have consistently garnered high praise from customers for their effectiveness and stability. We remain committed to delivering high-quality and reliable lighting technology products to the medical industry, catering to its ever-evolving market demands.

Health Care - IPL

Intense Pulsed Light

Features:

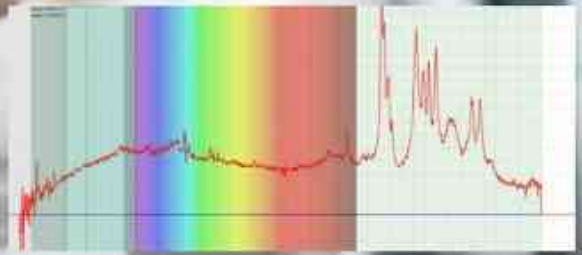
1. Wide wavelength range: 160-2000nm with peak between 400-800nm
2. Spectral energy distribution similar to sunlight with color temperature of around 6000K
3. Consistent light output and low sensitivity to external conditions
4. Quick startup and stable light output after ignition

Main applications:

Beauty devices for hair removal, skin whitening, and other cosmetic purposes

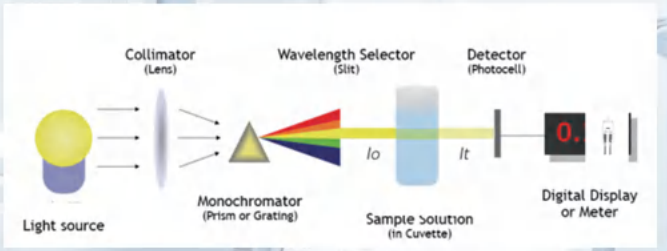
Photography for capturing clear images of dynamic scenes

Airport lights, industrial warning lights, and other uses.



Health Care - Medical Halogen

Biochemical Analyzer Medical Halogen Lamp



Features:

Full spectrum 300-800nm

High stability, stable operation after 10 minutes, spectral fluctuation within 0.2% range.

Ultra-long lifespan, lifespan >2000 hours

Utilizes GMY 64258 20W 12V halogen bulb

Applications:

Scenes requiring high light output stability and continuous full spectrum, such as biochemical analyzers.

Scenes requiring stable heat sources, such as therapy beds.

Health Care - Skin cure

GMY

308nm Excimer Lamp

The 308nm excimer light has strong penetration ability, reaching the shallow layer of the dermis up to 1.5mm deep, effectively inducing apoptosis of activated T lymphocytes in vitiligo skin lesions. Treatment not only eliminates symptoms but also restores the tissue structure to normal.

Health Care - Infrared Therapy

High-Energy Infrared Therapy Device:

A New Wellness Approach with Light Technology

wIRA Light Technology From Germany – Penetrates Over 70mm Deep

The High-Energy Infrared Therapy Device uses a focused light source to emit efficient infrared light. Its specialized filtration system removes harmful wavelengths that can cause intense heat on the skin, while retaining high-energy wIA light waves (590-1400nm) that are safe and beneficial for the body. With superior penetration, it reaches over 70mm deep into tissues, providing ideal energy to boost metabolism, aid cell repair, and relieve muscle and bone pain.

Efficient | **Safe** | Comfortable

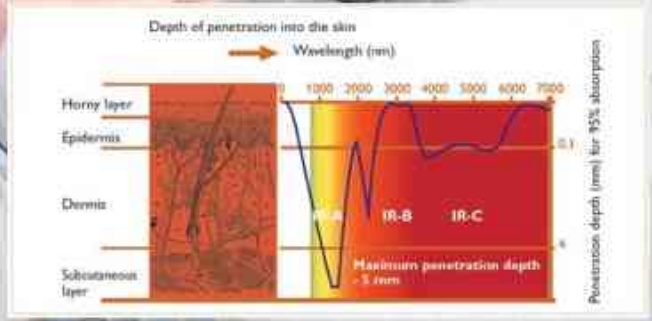
One device combines the effects of red light, super-laser, and infrared light.

Health Care - Infrared Healing

Infrared Therapy Lamp

GMY Infrared Lamp emits near-infrared light that penetrates the skin, stimulating cells to produce more energy, promoting blood circulation, and alleviating pain and inflammation. It also enhances cellular metabolism, improves muscle and joint elasticity, thus achieving therapeutic effects.

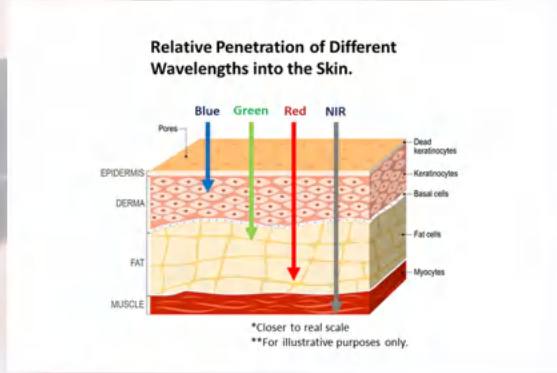
Our products are suitable for various types of physical therapy, such as sports injury recovery, muscle soreness relief, arthritis, cervical spondylosis, etc. Additionally, it can be used as a relaxation therapy to boost immunity and promote overall comfort.



Milk Light Halogen Lamp

The NIR Milk Light is a near-infrared light that possesses a wavelength spanning 900nm to 1800nm, with a peak at 1300nm. This light can deeply penetrate from the superficial to the middle layers of the dermis, offering exceptional penetration capabilities. It bypasses the epidermis, directly warming the water molecules in the dermis. These molecules absorb the energy from the Milk Light, generating heat. This thermal effect stimulates the deep dermal regeneration of collagen. As fresh collagen forms and restructures, its quantity increases, compensating for the reduced and lost collagen. Consequently, the skin's underlying structure is lifted. Continuous collagen production increases the thickness and density of the dermis, resulting in the smoothing of wrinkles, refinement of pores, and the restoration of skin elasticity.

GMY's Milk Light Halogen Lamp, as the pivotal light source component for Milk Light skin rejuvenation devices, not only fulfills the rigorous light source criteria set by NIR Milk Light technology but can also be custom-designed to cater to the specific light source needs of various medical aesthetic devices.



Health Care

GMY

LifeSun Light Therapy Lamp

Give You a Warm Embrace with Light

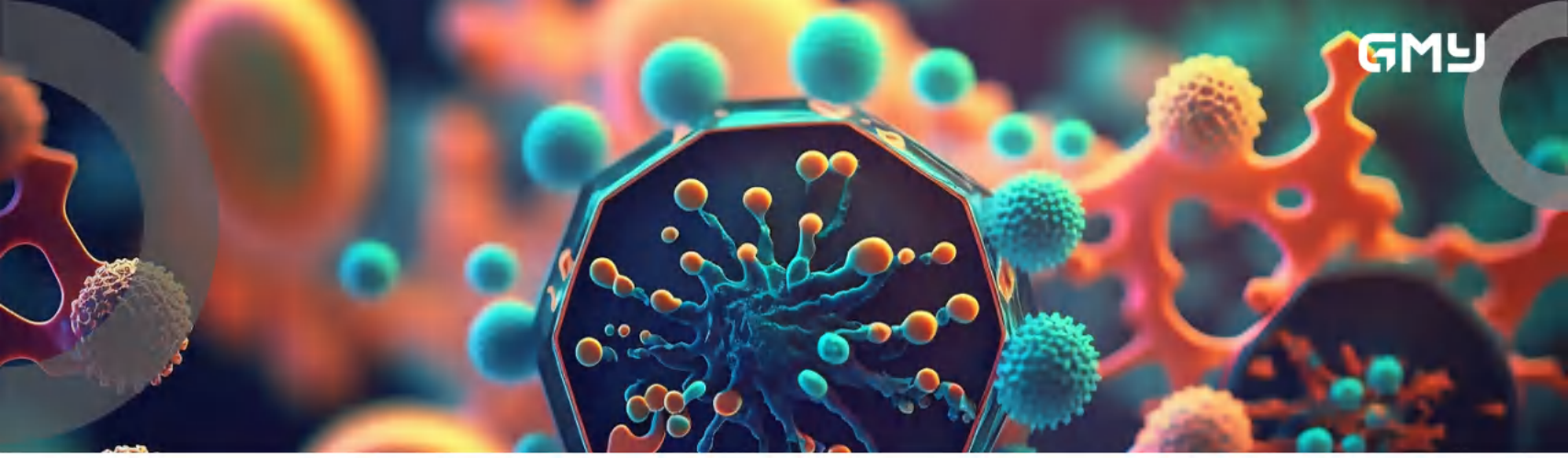
- Alleviates Seasonal Affective Disorder (SAD)
- Boosts energy and reduces fatigue
- Promotes quality sleep at night
- Enhances cognition and memory
- Supports eye health and replenishes light nutrition

Close to Natural Sunlight

NIR

Golden wavelength Near-infrared

No UV or blue light hazards



Lighting for Medical Disinfection and Control

GMY collaborates with the Institute of Electrical Engineering, Chinese Academy of Sciences, to build a biological defense firewall. The company offers a comprehensive range of product solutions, including core light source components, modules, appliances, and equipment, to meet the needs of various applications such as disinfection in professional spaces, surface disinfection, and personal and home care disinfection. Our professional ultraviolet disinfection products are highly acclaimed worldwide and have received numerous prestigious industry certifications.

National Key R&DProgram

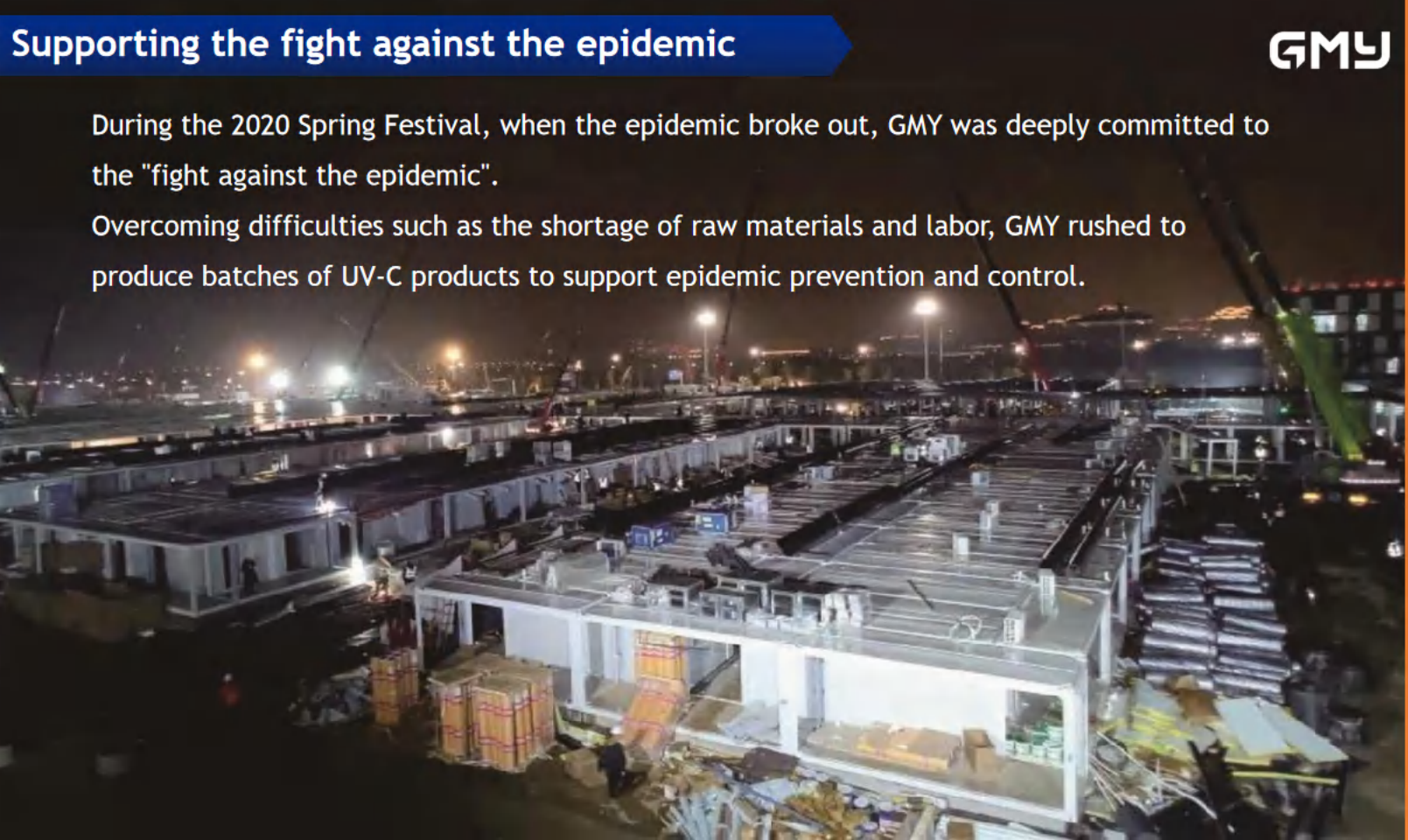
Participating in the National Key R&DProgram

Research and Development of Green and Intelligent Disinfection Technologies and Equipment for Cold Chain Logistics and Human-Coexistence Scenarios.

Supporting the fight against the epidemic

During the 2020 Spring Festival, when the epidemic broke out, GMY was deeply committed to the "fight against the epidemic".

Overcoming difficulties such as the shortage of raw materials and labor, GMY rushed to produce batches of UV-C products to support epidemic prevention and control.



Winter Olympics Application

GMY

254nm Disinfection Pass-through

During the Winter Olympics, there will be frequent access of personnel and luggage at the National Olympic Sports Center, which may pose potential risks of infection.

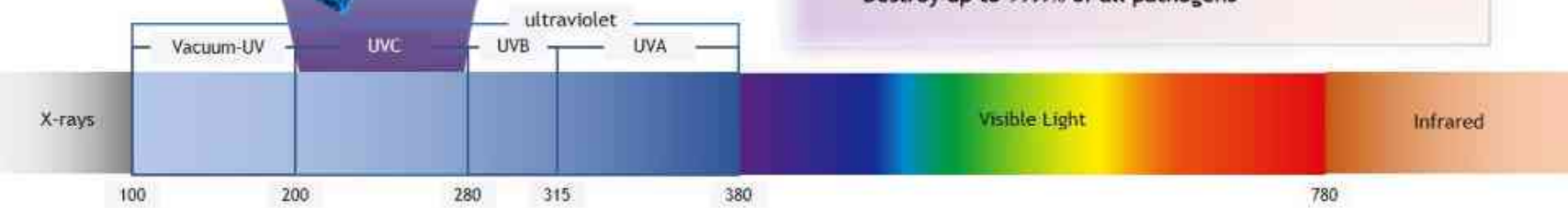
GMY provided a comprehensive UV surface disinfection Pass-through for the center, which can be used to disinfect athletes' personal belongings and various sports equipment.

222nm Disinfection Gate

The designated Chongli hospital for the Beijing 2022 Winter Olympics provides medical services for nearly 70,000 athletes, team officials, and spectators.

The hospital utilizes GMY's 222nm disinfection Gate to perform surface disinfection for incoming and outgoing delivery robots. The process is chemical-free and residue-free, allowing for safe coexistence between humans and machines while achieving accurate disinfection.

Powerful UV-C Disinfection



UVC breaks the DNA/RNA of germs
so that they can't replicate

Scientific research shows that high-energy UV-C light in the 200-280nm range efficiently disinfects air, water, and surfaces. UV-C disinfection technology can kill up to 99.9% of bacteria and viruses without using harmful chemicals.

- No harmful chemicals. No odor. No mess.
- Easy maintenance. No dirty filters to change
- Destroy up to 99.9% of all pathogens

222nm Safety

Scientific discovery:
Far-UVC is safe and efficient for disinfection of human body

Nature Research Scientific Report

SCIENTIFIC REPORTS
nature research

OPEN **Far-UVC light (222 nm) efficiently and safely inactivates airborne human coronaviruses**

Manuela Buonanno, David Welch, Igor Shuryak & David J. Brenner

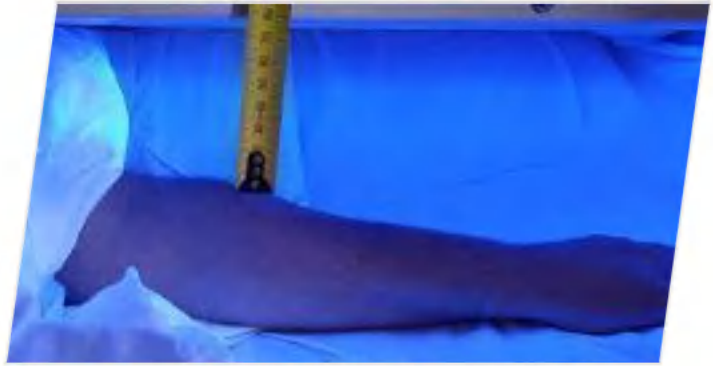
A direct approach to limit airborne viral transmissions is to inactivate them within a short time of their production. Germicidal ultraviolet light, typically at 254 nm, is effective in this context but, used directly, can be a health hazard to skin and eyes. By contrast, far-UVC light (207–222 nm) efficiently kills pathogens potentially without harm to exposed human tissues. We previously demonstrated that 222-nm far-UVC light efficiently kills airborne influenza virus and we extend those studies to explore far-UVC efficacy against airborne human coronaviruses alpha HCoV-229E and beta HCoV-OC43. Low doses of 1.7 and 1.2 mJ/cm² inactivated 99.9% of aerosolized coronavirus 229E and OC43, respectively.

Professor Brenner of Columbia University discovery:

- The cuticle as the outermost layer of the skin, can block 222nm from reaching subcutaneous living cells, and the cuticle is in a continuous metabolic process
- The cornea is protected by the tear layer, which can block 222nm waves. The upper cornea is 4-6 cells thick and the metabolic cycle is about 1-2 days, so there is no long-term risk

Lancet Lab human irradiation experiment

- Using SafeGlo 150W far ultraviolet lamp
- Irradiated volunteer's arm from 7cm distance
- The irradiance was 1.83 mW/cm²
- The irradiation time was 13 hours
- Slight skin redness observed without damage



Experimental results are for reference only, please follow local regulations for safety requirements

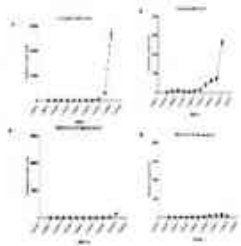
222nm Effectiveness

GMY

Council for Scientific and Industrial Research(CSIR) experiment

- Test light source: GMY 222nm lamp
- Test virus: SARS-CoV-2
- Test result: 15-minute exposure to lamp inactivates COVID-19

CSIR



South African National Institute for Occupational Health Laboratory experiment

- Test light source: GMY 222nm lamp
- Test virus: SARS-CoV-2
- Test result: Effective disinfection

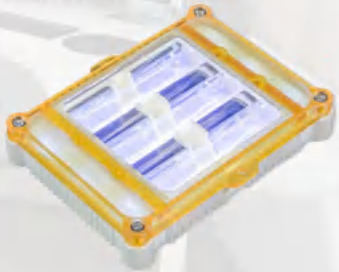
Infection Control with Human-safe UV at 222nm

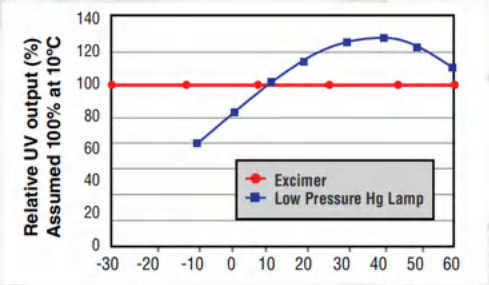
SafeGlo 222nm Far-Ultraviolet Disinfection Module: Safe, Efficient, Aesthetic, and Practical

Safe and Eco-friendly: Utilizes a high-purity, mercury-free 222nm far-ultraviolet light source, ensuring safety during disinfection and enabling "human-machine coexistence, dynamic disinfection."

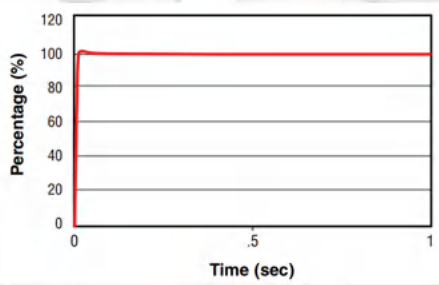
Efficient Disinfection: Effectively eliminates viruses, bacteria, and spores from the air and surfaces, delivering high sterilization efficiency.

Convenient Design: Easy to install, suitable for various indoor environments, blending aesthetics with practicality.





The 222nm excimer lamp output is unaffected by temperature.

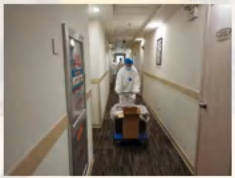


Full output power available after Turn On.

Disinfection - 222nm Gate

Far UVC Gate

GMY's self-developed 222nm far-UVC Disinfection Gate can achieve rapid 5-second disinfection of medical personnel protective surfaces, and can also be applied to the surface disinfection of medical delivery robots.



Hotel

Medical institution

Airport

Cold Chain

Disinfection - Professional Usage

Ultraviolet(UV) Germicidal Pendant Light

254nm UV technology

Efficient disinfection of air and surfaces

Full-spectrum disinfection

Purification space:in excess of 40 cubic meters

Mobile Disinfection Vehicle

254nm UV-C technology

Air + Surface disinfection

Purification space: over 40 cubic meters

Disinfection - Surface of Goods

GMY

Disinfection Pass-through

254nm High-Energy UV-C Light

99.9% Bacteria Killing in 5 Seconds

360-Degree Full Coverage

Exclusive Patented Technology


Hotel


Cold Chain


Winter Olympics


HongKong Government


University

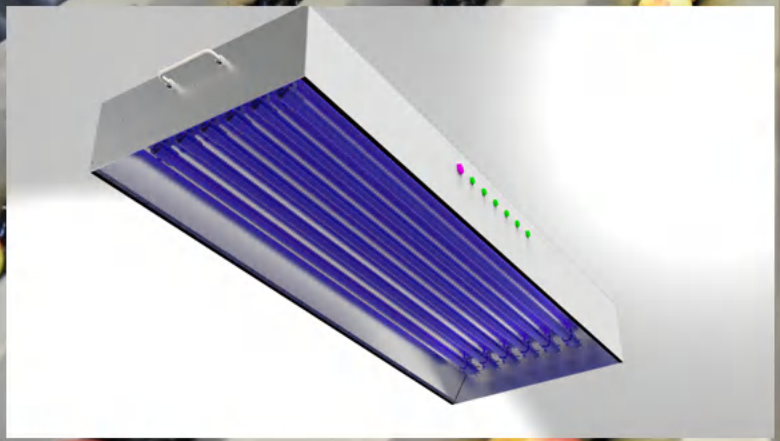

Logistics Company

Disinfection Module for Production Lines

Customized to Meet Specific Application Requirements

Application areas:Food processing plants, food packaging production lines, surface sterilization of conveyor belts

Suitable for industries such as dairy plants, beverage plants, breweries, cosmetics factories, pharmaceutical factories, cold storage warehouses, and cold chain transport vehicles.



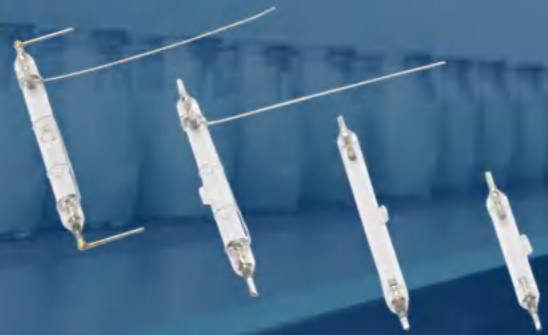
Infection Control Disinfection - Intense Pulsed Light (IPL) Application

GMY

High-intensity pulsed xenon lamp (IPL, Intense Pulsed Light) is an efficient method of disinfection, capable of effectively killing various bacteria, viruses, and other microorganisms.Furthermore, this xenon lamp contains no mercury, positioning it as a safer alternative to traditional ultraviolet mercury lamps.

【Features】

- Efficient: 1ms disinfection, LOG4-5 rate, perfect for fast assembly lines.
- Energy-Saving: 1/50th the energy of traditional UV disinfection.
- High Penetration: Microsecond conversion, surpassing UV light.
- Cool Operation: Pulsed energy prevents heat buildup.
- Versatile: Compact, easy to integrate, adaptable to various environments.
- Instant Use: No preheating, immediate start/stop.
- Safe: Mercury-free, chemical-free, eco-friendly.



【Applications】 Food processing (food disinfection, packaging sterilization, food preservation, etc.), water treatment, and the medical field.

【Application】 Disinfection solutions for household appliances such as water dispensers, air conditioners, and refrigerators.

Disinfection - Personal Health

SafeGlo PEP Purifier

254nm UV-C technology

Air efficient Disinfection

Directional purification + battery function

Purification space: 3 cubic meters

SafeGlo Vigor Air Purifier

254nm UV-C technology

Quick indoor air disinfection

Purified space: 25~40 cubic meters

SafeGlo UVC table lamp

254nm UV-C technology

Air + surface disinfection

Voice prompts + people sensing function

Purification space: 25~40 cubic meters

Light for Facility Agriculture

GMY is committed to advancing the use of light in modern agriculture through continuous research and manufacturing. With a 6,000㎡ plant factory base, years of study have equipped us with core technologies for comprehensive solutions. We provide tailored lighting systems for various plant types and production cycles, supporting home gardening, facility agriculture, and modular plant containers.

GMY also offers complete solutions for livestock farming, addressing farm deodorization, disinfection, animal warming, and calcium supplementation.

Facility Agriculture - Vertical farming

Vertical Farming Solution

We have nearly 10 years of plant lighting R&D experience and offer professional plant lighting solutions.

Features:

No heavy metal pollution or pesticide residues

Shorter growth cycles

High yields

Water-saving

Applications:

Vertical farming turnkey solutions

Office or home planting lighting

Container farming

Tissue Culture Seedling Supplementary Lighting Solutions

Anoectochilus Roxburghii Tissue Culture Light 01

Designed specifically for the cultivation of Anoectochilus Roxburghii tissue culture seedlings, this custom high-quality light source effectively addresses issues such as slow growth, low dry matter content, poor seedling quality, and low transplant survival rates.

Phalaenopsis Orchid Tissue Culture Light 02

Tailored for Phalaenopsis orchid tissue culture seedling cultivation, this scientifically formulated light spectrum promotes growth, enhances dry matter accumulation, improves root and seedling quality, and increases stress resistance and survival rates.

Planting Supplementary Lighting Solutions

01. Blueberry Growth & Yield Lighting

Designed specifically for blueberry cultivation, this supplementary lighting solution effectively addresses various growth issues caused by insufficient light, such as weak branches, slow growth, reduced yield, low sugar content, small berry size, and slow color change.

02. Grape Coloration Lighting

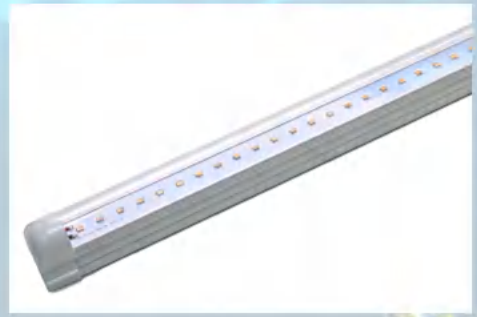
This high-efficiency supplementary light is designed for grape cultivation, effectively promoting sugar accumulation and color change, thereby enhancing the overall quality of grapes.

03. Strawberry Supplementary Lighting

Suitable for plant factories, greenhouse farms, indoor cultivation, container farming, and professional strawberry planting bases, this solution helps increase yield, enhance sweetness, improve taste, and boost color and vibrancy.

GMY

Photosynthetic Bacteria Cultivation Light



Specifically designed for the efficient cultivation of photosynthetic microorganisms such as Rhodopseudomonas palustris (PSB-S) and certain algae species. It features a scientifically tailored spectrum, offering low light decay and high luminous efficiency. This light effectively addresses common challenges in photosynthetic bacteria cultivation, including slow reproduction rates, low microbial density, insufficient activity, and low OD values.

Initial Supplementary Lighting

After 24 Hours

After 48 Hours

Pest and Disease Control Solutions

UVB Pest and Disease Control for Plants

01

By emitting ultraviolet radiation from UV-B fluorescent lamps, the immune function of plants can be stimulated and activated, thereby helping them resist diseases such as powdery mildew. This method not only effectively reduces the dependence on pesticides and the frequency of spraying but also offers a safer and more reliable production method for crops.

Lychee Stem Borer Repellent Solutions

02

Using the lychee weevil’ s sensitivity to specific wavelengths, this lamp targets and suppresses weevil reproduction with an inhibition rate of 95-97%. The light-trapping technology reduces pesticide use and protects the environment, making it an ideal choice for organic farming.

For the Home

Apollo Plant Grow Light

Experience plant growth anytime

Enjoy family planting fun, observe plant growth anytime

Great gift choice

Elegant design, beautiful and practical, a healthy green living gift

Features:

Suitable for indoor spaces

Easy operation, more convenient planting

Husbandry Infrared Heating

GMY

Infrared Heating Lamp

GMY infrared heating lamps can provide direct warm air for livestock ventilation. It can quickly, accurately and controllably provide heat where needed.

Product features:

uniform heat distribution, providing good heating effect;

waterproof design, suitable for washing;

no glare, does not stimulate the eyes of small animals;

with over 8,000 hours of ultra-long lifespan and 98% electric heating conversion efficiency.

Deodorization

表 3 常见的废气污染物化学性质及其物质光解氧化转换表

序号	名称	分子式	分子量	气味特征	主要化学键	对应化学键键能 KJ/mol	光化学反应最终产物
1	氨	NH_3	17	强刺激气味，无色气体。	H-N	389	H_2O、N_2
2	硫化氢	H_2S	34	有臭鸡蛋气味，无色气体	H-S	339	H_2O 、SO_4^{2-}
3	三甲胺	C_3H_9N	59	无色气体，有鱼腥恶臭	C-H、C-N	414、305	H_2O 、N_2、CO_2
4	苯酚	C_6H_5OH	94	常温下为一种无色或白色晶体有特殊芳香气味	C=C、C-H C-O	611、414、326	H_2O、CO2
5	苯	C_6H_6	78	常温下为一种无色、有甜味的透明液体，并具有强烈的芳香气味	C=C、C-H	611、414	H_2O 、CO_2
6	甲苯	C_7H_8	92	常温下为清澈的无色液体，具有类似苯的芳香气味。	C=C、C-H、C-C	611、414、332	H_2O、CO_2
7	二甲苯	$C_6H_4(CH_3)_2$	106	常温下为无色液体，具有类似苯的芳香气味。	C=C、C-H、C-C	611、414、332	H_2O、CO_2
8	苯乙烯	C_8H_8	104	无色、有特殊香气的油状液体	C=C、C-C、C-H	611、332、414	H_2O、CO_2
9	乙酸乙酯	$C_4H_8O_2$	88	无色透明有芳香气味的液	C-H、C-O、C=O、C-C	414、326、728、332	H_2O、CO_2
10	甲硫醛	C_2H_6S	62	有难闻的气味	C-C、C-H、C-S	332、414、272	H_2O、CO_2、SO_4^{2-}
11	甲硫醇	CH_4S	48	无色气体，有不愉快的气味	C-S、C-H、H-S	272、414、339	H_2O、CO_2、SO_4^{2-}
12	二甲二硫	$C_2H_6S_2$	94	淡黄色透明液体，有恶臭	S-S、H-S、S-C、C-H	268、339、268、414	H_2O、CO_2、SO_4^{2-}
13	乙醛	C_2H_4O	44	无色易流动液体，有刺激性气味	C=C、C-O、C-H	611、326、414	H_2O、CO_2
14	甲醇	CH_3OH	32	无色有酒精气味易挥发的液体，有毒	C-H、C-O、H-O	414、326、464	H_2O、CO_2
15	丙烯醛	C_3H_4O	56	无色或淡黄色液体，有恶臭	C=C、C-O、C-H	611、326、414	H_2O、CO_2
16	苯胺	$C_6H_5NH_2$	93	无色油状液体，有特殊气味	C=C、C-H、N-H、C-C	611、414、389、332	H_2O、CO_2、N_2

Waste Gas Treatment Equipment

GMY utilizes a 185nm high-efficiency deodorizing and disinfection module, employing high-energy UV lamps to generate far-UVC and ozone, which cooperatively decompose and oxidize odorous molecules. This process degrades odorous substances in livestock environments such as pigsties into low-molecular compounds, water, and carbon dioxide, effectively purifying and deodorizing the air.

Treated Gases:

Benzene, toluene, xylene, non-methane total hydrocarbons, esters, ammonia, trimethylamine, hydrogen sulfide, methyl sulfide, methyl mercaptan, methyl sulfide ether, dimethyl disulfide, carbon disulfide, styrene, and other VOC gases.

Reptile lamp

GMY

Reptile Metal Halide Lamp

GMY's Reptile Metal Halide Lamp provides adequate heat and visible light illumination, while also emitting appropriate levels of UVA and UVB ultraviolet rays to promote the synthesis of Vitamin D3, which plays a crucial role in the growth and well-being of reptiles.

Reptile Halogen Lamp

GMY's Reptile Halogen Heating Lamp offers suitable heat output and suitable visible light illumination. Its unique halogen heating technology simulates natural sunlight, providing stable and long-lasting heat, creating a comfortable environment for reptile growth and daily life.

Light for Environmental Treatment

GMY is committed to providing stable and consistent ultraviolet light sources to cater to the needs of the environmental purification industry. With a deep understanding and research into various application scenarios, we tailor solutions to suit each specific need, offering the most cost-effective lighting application solutions. From VOC waste gas treatment, wastewater management, aquaculture water purification, to disinfection of household water dispensers, total organic carbon (TOC) degradation for pure water preparation, and algae inhibition and disinfection for water bodies, GMY consistently delivers professional and bespoke solutions. Our goal is to not only meet but also exceed customer expectations, propelling advancements in the environmental purification domain.

Environmental - Waste Gas Purification

GMY employs high-power, long-life UV mercury lamps to convert odorous compounds into low-molecular compounds and kill bacteria. This method is suitable for kitchens, food industry, furniture factories, packaging and printing, and other heavily polluted factories. Additionally, our technology is applicable for odor removal in wastewater treatment in pharmaceutical, chemical, and petrochemical industries.

waste gas treatment equipment

High-Power
Mercury Lamps

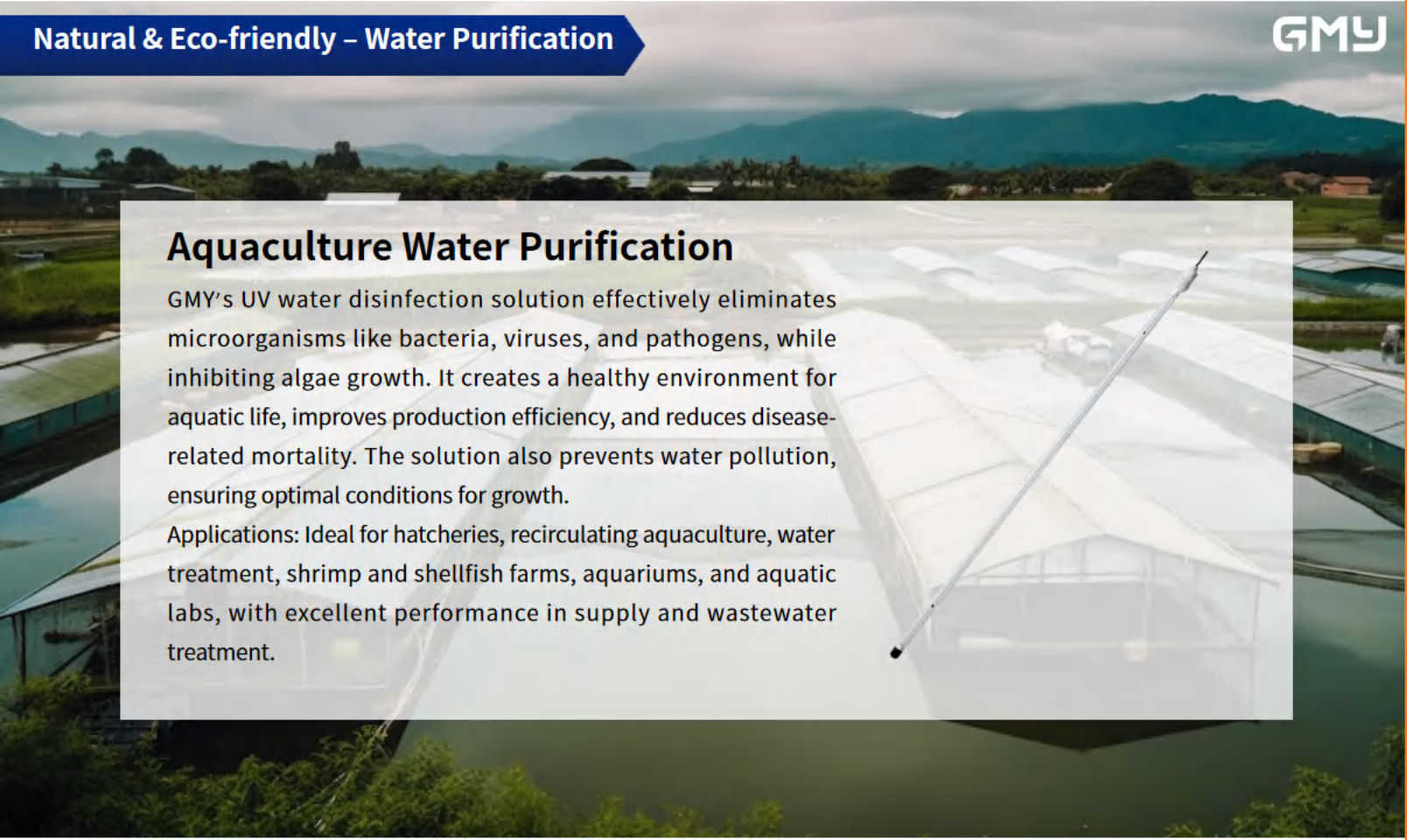
Environmental - Water Purification

GMY utilizes high-power, long-life UV mercury lamps that generate high-energy 254nm UV light, disrupting the molecular structure of DNA or RNA in waterborne microbes and pathogens, achieving exceptional disinfection. Our products offer fast and thorough disinfection with a wide range of applications, suitable for integrated wastewater treatment projects.

Open Channel Equipment

High-Power Mercury Lamps

GMY



Aquaculture Water Purification

GMY's UV water disinfection solution effectively eliminates microorganisms like bacteria, viruses, and pathogens, while inhibiting algae growth. It creates a healthy environment for aquatic life, improves production efficiency, and reduces disease-related mortality. The solution also prevents water pollution, ensuring optimal conditions for growth.

Applications: Ideal for hatcheries, recirculating aquaculture, water treatment, shrimp and shellfish farms, aquariums, and aquatic labs, with excellent performance in supply and wastewater treatment.

Environmental-Nuclear Radiation Detection

Geiger-Müller Counter

This product offers high sensitivity and large pulse amplitude, making it suitable for detecting the intensity of γ and β radiation. It operates stably within a temperature range of -25℃ to 40℃.

Applications: Radiation detection instruments for hospitals, home use, oil fields, coal mines, nuclear power plants, quarries, metal processing plants, and more.

Nuclear Radiation Detector

- Real-time monitoring on a multifunctional display
- Long-lasting 400mAh battery
- Built-in memory to prevent data loss
- Safety features with sound and flash alarm modes
- Applicable Fields: X-rays, γ-rays, nuclear wastewater, medical and industrial radiation, food radiation, stone, jade, etc.

Awards and honors

Gratitude
Innovation
Win-win

Certified Quality

Our strict quality control standards have been certified by multiple authorities

- ·IS09001 Quality System Certification
- ·ISO14001 Environmental Management System Certification
- ·SA8000 Social Responsibility Management System Certification
- ·Product Certificates: CE | UL | ERP | EMC | FCC | CCC | ROHS

Experitise

GMY

Institutions:

GMY has established in-depth research collaborations with institutions such as the Institute of Electrical Engineering, Chinese Academy of Sciences, Songshan Lake Materials Laboratory, and renowned universities including Fudan University, South China Agricultural University, Hubei University, and Wuyi University. These partnerships enable the sharing of research resources, technical equipment, and talent reserves. This collaborative innovation model provides continuous momentum for our technological advancements.

Universities:

Experitise

GMY

Established in accordance with national CNAS* standards

- Rigorous testing standards: CE | UL | ERP | EMC | FCC | CCC | ROHS
- More than 20 years of experience in light source manufacturing
- With more than 70 R&D personnel, more than 200 patents

Visible spectrum analysis system

Compressive strength tester

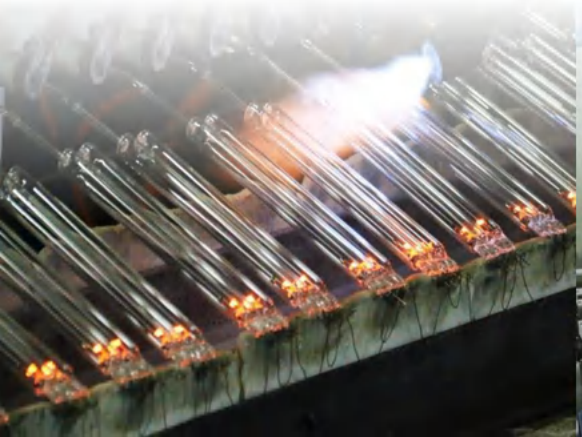
Fluorescence Spectrometer

* CNAS (The China National Accreditation Service for Conformity Assessment) is the national accreditation body of China

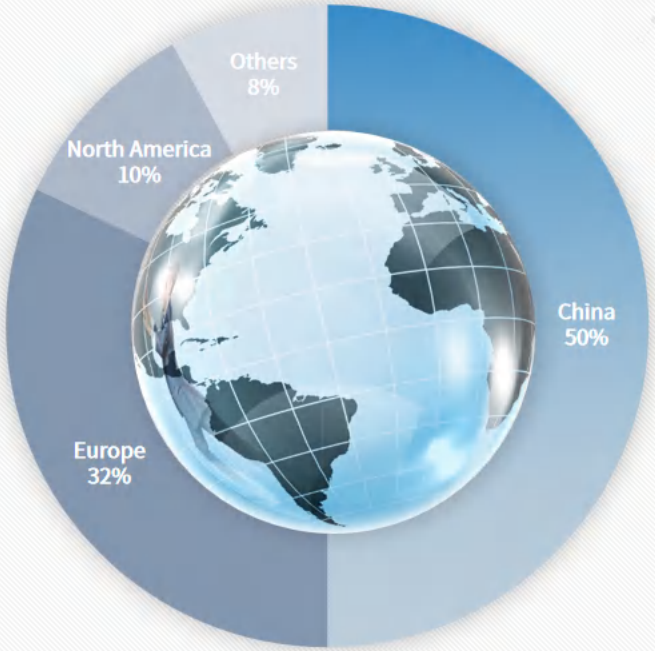
Production Agility

Proprietary automated production equipment

- Fast turnaround from prototype to production
- Achieve mass production quickly, saving labor costs
- Ensure product consistency, stability and reliability



Market Distribution



- We are a global business, active in **over 100 countries**
- GMY provides **quality products** and **professional services** to hundreds of millions of users around the world

GMY

THANK YOU!

- We eagerly look forward to a win-win collaboration with you-

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