



MEDPOWER TECH

Company Introduction

2025



About MedPower- Innovation-Driven Lighting Solutions & Photonics Expert

1

Innovation-Driven

With 15+ years of dedicated R&D expertise, we pioneer advanced lighting technologies through our elite team of engineers and designers committed to transformative innovation. Our R&D pipeline consistently delivers industry-first concepts in smart lighting systems, energy-efficient solutions, and customized illumination architectures.

2

Global Market Expertise

As a certified lighting solution provider for Fortune 500 brands worldwide, we demonstrate proven success across diverse markets. Strategic service partnership with global top-tier players both in commercial and industrial.



- A Suzhou Leading Talent Company
- HQ Located in Kunshan, Jiangsu
- State-of-art manufacturing based in China, Thailand.

3

Technology Differentiators

Patented optoelectronic designs with 20% higher energy efficiency than industry standards. Modular product architecture supporting 100+ customization configurations. Smart IoT integration enabling remote diagnostics and predictive maintenance

4

Supply Chain Excellence

Proprietary manufacturing facilities with ISO 9001-certified production lines. End-to-end ecosystem ensures 100% on-time delivery performance and scalable production capacity

5

Customer Success Stories

Serving Tier1 clients, we have delivered:

- ✓ 35% energy cost reduction projects
- ✓ 99.2% product reliability rating over 10-year deployments
- ✓ 15+ award-winning lighting designs recognized by IALD and PLITZER



Vision & Mission

- **Our Vision**

- **Transforming Global Well-Being Through Advanced Lighting Innovation**

Beyond mere illumination, we envision a world where intelligent, photobiology lighting solutions

- **Our Mission**

- *As a pioneer in biological lighting technology and premium ODM partner, we commit to Lead the Global Lighting Industry with Human-Centric Innovation.*

- **Our commitment**

- *Customer-Centric Excellence*
 - *Sustainable Innovation*
 - *Talent-Driven Growth*
 - *Value Creation Partnership*



Core Competence Framework-Mastering Photonic Innovation & Market-Driven Solutions

✓ Spectral Engineering Excellence

- AI-driven spectral optimization algorithms
- Multi-band lighting systems covering:
- UV-C disinfection (170-275nm precision)
- Plant growth lighting (PAR 450-700nm)
- Circadian rhythm modulation (460-480nm)
- GaN-based Visual Laser Application

✓ Non-Visual Lighting Systems

- Advanced photobiological lighting solutions
- Infrared thermal imaging systems
- Li-Fi enabled smart lighting networks

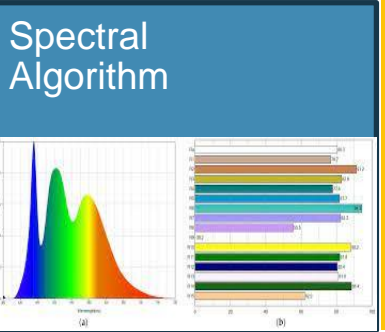
✓ Product Development

- Full-cycle product lifecycle management
- Parametric design optimization using generative algorithms
- Rapid prototyping with 3D printing & vacuum metallurgy

Power and Controller

- Multiple Channel Control System
- Wire and Wireless Module Connection
- Power Driver Devices Integration

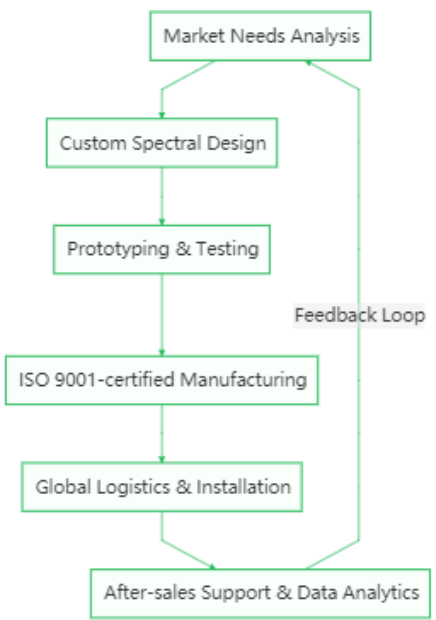
EXCELLENT PRODUCT DESIGN AND ILLUMINATION DESIGN



Supplier Chain Ability
LED Partners
Control IC partners
Ecosystem partners



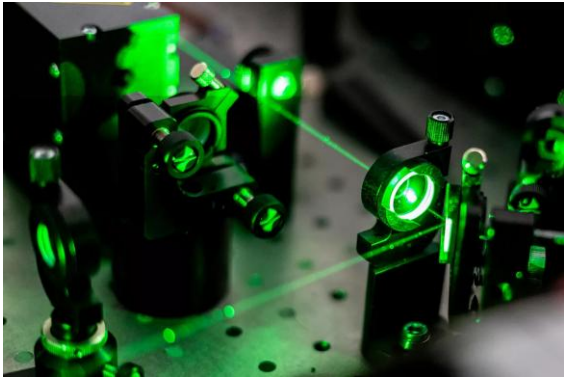
End to end service



Photonics Innovation- Light meets digital

The rapid evolution of optoelectronic technologies is reshaping industries through breakthroughs in efficiency, miniaturization, and system integration.

Segment	2023 Market Value	CAGR (2024-2030)
Optical Sensors	\$12.7B	11.2%
LED Systems	\$65B	8.5%
Photonic ICs	\$4.2B	22.3%
UV Technology	\$9.8B	14.7%
Semiconductor Laser	\$3.9B	12.5%



Photonics and daily life



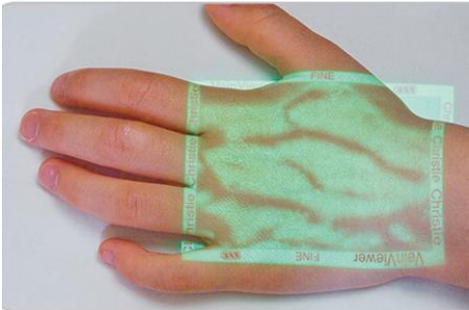
Safety and security



High Quality Manufacturing



Health



Lighting and energy savings



Broadband Internet



Product Portfolio

Residential



Bulb and Lamp

Outdoor



Commercial



Fixtures

Bio-lighting



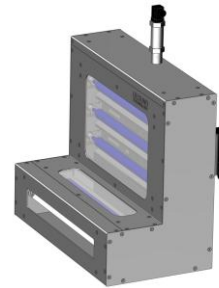
UV System



UV 222nm disinfection



UV Curing System
3000W, 35 W/cm²



UV Industrial Sterilization
120 mW/cm²

Laser System



Laser Spot



Laser Flash



Residential Products



Light bulb

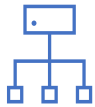


Table light



Fan lamp



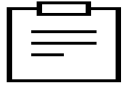
Downlight



LED String Light



Commercial luminaires



Panel Light

2x2, 2x4



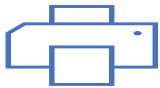
Troffer Light

Retrofit Kit



Linear Highbay

2ft, 4 ft



Round Highbay

200W, Power & CCT Selectable, Optional Accessories



Canopy

75W, 100W, Power&CCT Selectable, Optional Accessories



Outdoor Products

Versatile Luminaire



Flood Light



Street Light



Scone(Architectural)



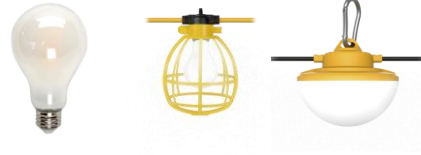
Biology Lighting



01

Poultry Lighting

Lamp
String Fixture
Controller



02

Horticulture lighting for Plant Factory

Grow Bars, Grow panel



03

Horticulture for Green House

Top light
2Bar, 3 Bar Top Light



04

Grow kits

Grow seedling pot
Grow Tent



05

Pest Control Lighting

Mosquito lamp



UV System

01

UV 222nm Fixture

Tower 65WX3

Pillar 65W



02

UV Curing System

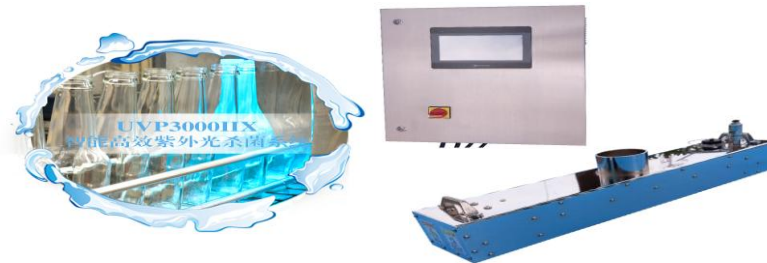
3600W, 365nm-405nm, 28W/cm²



03

UV Sterzilation System

UPV3000, 200nm-400nm, > 200mW/cm²



Laser System



Laser Spot



Laser Flash

Laser 300W- LIFI OPTIONAL



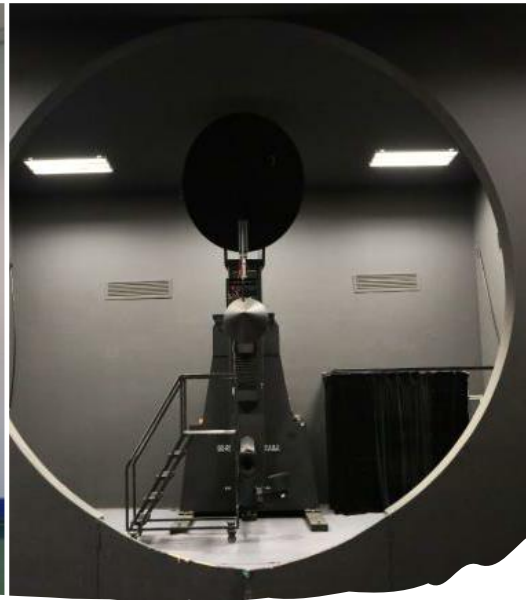
Laser OMNI 1km, 1.7 km



Customer Service and Partnerships



Laboratory and Testing: Pioneering Excellence in Lighting and Optoelectronics



- Cutting-Edge Facilities for Lighting Excellence
- Colorimetry and Chromaticity Testing
- Luminous Flux and Illuminance Measurements
- Thermal Performance Analysis
- Photovoltaic Performance Testing
- Optical Component Characterization
- Professional and Experienced Testing Team
- Customized Testing Solutions
- Compliance with International Standards



Highlight: Unparalleled Precision and Reliability

What sets our Laboratory and Testing facility apart is our unwavering commitment to unparalleled precision and reliability. Our state-of-the-art equipment, combined with the expertise and dedication of our team, ensures that every test result is accurate and trustworthy. This commitment to quality has made us a trusted partner for lighting and optoelectronics manufacturers, researchers, and developers worldwide.

Choose our Laboratory and Testing facility to unlock the full potential of your lighting and optoelectronic products. With our cutting-edge facilities, professional team, and focus on precision and reliability, we are your partner in innovation and excellence.



State-of-the-Art Manufacturing Base



State-of-the-Art Facility and Excellent Management
Experience the pinnacle of excellence with state-of-the-art facilities in both China and Thailand, offering flexibility across diverse product categories.

Advanced Production Lines

Leverage our high-speed Panasonic SMT lines, die-casting, stamping, painting production lines, and automated assembly capabilities for unparalleled efficiency.

Comprehensive Assembly

Discover the future of manufacturing with our "black light factory" – a hub of comprehensive assembly excellence.

Strategic Semiconductor Light Source Partnerships

Benefit from our exclusive supply system for semiconductor light sources, including laser light sources, high-power LED chips, and special wavelength light sources.

Impressive and Flexible Capacity

Witness our impressive capacity to produce 72 million lamps in a single shift, ensuring unmatched flexibility and reliability.





By MedPower

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