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MLS CO., LTD

private high-tech enterprise

MLS CO., LTD., established on March 3, 1997, is a comprehensive high-tech optoelectronic enterprise integrating LED packaging and LED application products. It was listed on the [Shenzhen Stock Exchange](#) on February 17, 2015 (Stock Code: 002745). The company's headquarters is located at No. 1 Mulinsen Avenue, Xiaolan Town, Zhongshan City, Guangdong Province, with Sun Qinghuan as its legal representative. Its main business encompasses the research, development, production, and sales of packaging products such as LED light-emitting diodes, as well as application products including LED liquid crystal displays and LED lighting series products. 22 ...



The company completed the acquisition of the global general lighting brand LEDVANCE in 2018 and became the fourth-largest shareholder of American Purui Optoelectronics, establishing a comprehensive strategic cooperation. As one of China's highest-revenue lighting enterprises, by 2025, the company has over 100 subsidiaries worldwide, with a sales network covering more than 140 countries and regions. It has established five major production bases in Zhongshan, Foshan, Ji'an, Xinyu, and Yiwu, with over 3 million square meters of standardized factory buildings. For the first half of 2024, it achieved operating revenue of 8.182 billion yuan, with net profit increasing by 28.80% year-on-year to 262 million yuan. In 2025, through a subsidiary, it acquired an 18.77% stake in Purui Optoelectronics (Xiamen) Co., Ltd., raising its total shareholding to 36.11%. 33 ...

MLS CO., LTD. holds the qualification of a National Enterprise Technology Center and is recognized as a National Intellectual Property Advantage Enterprise. It has built a full industrial chain layout covering fields such as LED epitaxy, chips, packaging, PCB, IC, and display panels. Its brands include MLS, Mulinsen, LEDVANCE, and Light Source Family, with products applied in general lighting, health lighting, engineering lighting, and photobiology. The company is equipped with 14,000 fully automated die bonders and wire bonders, with a monthly production capacity exceeding 100 billion LED packaging components. In the PCB field, it has a monthly capacity of over 500,000 square meters for double-sided high-precision boards and over 1 million square meters for flexible printed circuits. 16 ...

Company Name	MLS CO., LTD	Registered Capital	130 million yuan (RMB)
Founded in	1997	Site Area	180,000 square meters
Headquarters Location	Xiaolan Town, Zhongshan City, Guangdong Province	Legal Representative	Sun Qinghuan
Business Scope	Semiconductor optoelectronic	Number of Employees	21,263 (2021)

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Company Profile



MLS CO., LTD

The company was founded in 1997, with a Registered Capital of 130 million yuan and a Site Area of 180,000 square meters for its production base. It primarily focuses on producing high-value-added blue light, white light, high-power, and infrared products, as well as introducing new products. The company has now established multiple branch factories and large production bases across the country, with a sales network covering the globe. The total number of employees in the group company reaches nearly ten thousand, gathering professional talents from all over the country. The company produces tens of billions of light-emitting diodes (LEDs), dot matrices, digital tubes, and clock boards annually. In recent years, the company has invested hundreds of millions of yuan to introduce fully automated production lines. The improvement in production automation has promoted more stable and rapid development of the company. With approximately ten thousand employees, Zhongshan Mulinsen is a major taxpayer, second only to Perfect (Zhongshan) Co., Ltd. Mulinsen's total output ranks first in the Chinese LED market. Characteristics of LEDs such as shock and impact resistance, fast light response, energy efficiency, and long lifespan give the LED market unlimited prospects. Mulinsen Electronic Co., Ltd. has seized this opportunity, positioning Mulinsen Electronic Co., Ltd. at the forefront.



MLS CO., LTD

From traditional LED packaging to the development and utilization of infrared and high-power products, in just over a decade, Mulinsen has grown from several dozen employees to nearly ten thousand, and has established multiple branch companies, subsidiaries, and large production bases nationwide. The company has cumulatively invested hundreds of millions of yuan to introduce the most advanced LED automated production, R&D equipment, and process control technologies from abroad. The enhancement in production automation and R&D capabilities has propelled Mulinsen into a rapid development stage characterized as "high-end," "high-quality," and "high-efficiency." From 1997 to the present, both Mulinsen's capital investment and sales performance have increased rapidly. Even amidst global economic contraction today, Mulinsen continues to develop steadily with relatively fast growth. From "wood" to "forest," and from "forest" to "woods," Mulinsen has continuously grown and won numerous honors.

The company has introduced internationally advanced fully automated production lines, including ASM automatic die bonders, ASM automatic wire bonders, automatic color and brightness sorting machines, and automatic encapsulating lines. It has also purchased ESD testers, DSC testers, LED lead frame coating testers, high-temperature storage test chambers, thermal shock test chambers, bare die test systems, and LED angle and spectrum sorting systems. First-class production processes, sophisticated production equipment, advanced testing instruments, and comprehensive testing methods enable Mulinsen to possess outstanding product quality and powerful production capacity, with a

monthly output of 2 billion through-hole LEDs, 500 million digital tubes, and 1.2 billion surface-mount devices (SMDs), and an annual production of tens of billions of light-emitting diodes, dot matrices, digital tubes, and clock boards.

For the procurement of key raw materials like chips, the company adopts a strategy of forming strategic partnerships with suppliers for bulk purchases. For other raw materials such as lead frames, molds, and encapsulants, the company has established dedicated in-house production lines. This approach achieves the fastest delivery times, the most stable product quality, and the lowest prices. To provide customers with higher cost-performance products, Mulinsen has established a rigorous cost accounting mechanism to minimize production and operational costs, striving to share the substantial returns from the promising LED market with its customers to the greatest extent possible.

Development History

- 1997: The company was established, engaging in LED products.
- 1998: Commenced manufacturing of LED products.
- 2000-2004: Launched Display LED, entered the holiday lighting market, established LED bracket electroplating, established LED precision stamping, and established automated LED production lines.
- 2006: LED packaging technology revolution—copper wire replaced gold wire.
- 2007: Entered the finished lighting products market.
- 2008: Entered the display screen market.
- 2009: Launched SMD LED.
- 2010: Renamed to "MLS CO., LTD."
- 2011: Relocated its headquarters to Xiaolan Town, Zhongshan City.
- 2012: Entered the overseas lighting market.
- 2013: Invested in and constructed the Xinyu production base, featuring standardized factory buildings covering 720,000 square meters.
- 2014: Invested in and constructed the Ji'an production base, featuring standardized factory buildings covering 1.04 million square meters.
- 2015: Listed on the Shenzhen Stock Exchange, Stock Code 002745. ²²
- 2016: Invested in and constructed the Yiwu production base, with a total floor area of 510,000 square meters.
- 2019-2020: Entered the air purification and health market, and entered the indoor plant cultivation sector.
- 2022: LEDVANCE closed its factories, completing a strategic restructuring. ²¹

On August 27, 2024, MLS CO., LTD. released its 2024 semi-annual report. During the reporting period, the company achieved operating revenue of approximately 8.182 billion yuan, representing a year-on-year decrease of 1.60%; net profit attributable to shareholders of the listed company was approximately 262 million yuan, representing a year-on-year increase of 28.80%. ³⁵

Business Areas

LED Lighting: Lighting, display, backlighting, automotive lighting, outdoor lighting, and other fields. ²³

LED Display: Indoor display screens, outdoor display screens. ²⁴

General Lighting: Civilian use, home decoration, commercial lighting, plumbing and electrical work, etc. ²⁵

Professional Lighting: Providing differentiated overall lighting solutions. ²⁶

Engineering Lighting: In specific venues such as rail transit, industrial plants, cold storage warehouses, hospital premises, and pharmaceutical factories, providing corresponding professional-grade luminaires to meet the specific requirements of different locations regarding light characteristics and luminaire performance. ²⁷

Healthy Lighting: Dedicated to improving educational environments, providing schools with overall solutions for healthy light environments. ²⁸

Human-Centric Lighting: Automatically adjusts the lighting environment at different times throughout the 24-hour day according to different time zones, latitudes, seasons, and climates, ensuring that the lighting environment in various indoor spaces remains healthy, comfortable, and warm. ²⁹

Air Purification and Health: Based on deep ultraviolet UVC second-level disinfection technology, with primary usage scenarios including homes, hotels, postpartum care centers, hospitals, and classrooms. ³⁰

Photobiology: Committed to addressing the issues of domestic grassland-livestock balance overload and dependence on imported forage. ³¹

Subsidiary Brands

MLS, Mulinsen, LEDVANCE, Light Source Family, Forest Lighting, Air Purification Vision. ³²

Honors and Awards

MLS CO., LTD. has continued to grow and garnered numerous honors: It was granted the title of "[Guangdong Province Famous Brand Product](#)" by the Guangdong Provincial Quality and Technical Supervision Bureau; designated as the "Most Popular Brand" by the Guangdong Lighting Association; awarded "Guangdong Provincial Famous Trademark" by the Guangdong Provincial Administration for Industry and Commerce; recognized as a "Guangdong Provincial Strategic Emerging Industry Cultivation Enterprise" and "Guangdong Provincial High-tech Enterprise" by the Guangdong Provincial Economic and Information Technology Commission; named a "Key Equipment Manufacturing Enterprise in Zhongshan City " by the Zhongshan Municipal People's Government; designated as an "Enterprise that Honors Contracts and Values Credit" by the Zhongshan Administration for Industry and Commerce; and awarded the titles of "Zhongshan Top 10 Innovative Enterprise" by the Zhongshan Municipal Committee of the CPC Propaganda Department and the Zhongshan Science and Technology Bureau, "Guangdong Provincial Integrity Demonstration Unit", "National Semiconductor Industry Member Enterprise", "Zhongshan Enterprise Technology Center", "Advanced Award for Independent Innovation", and "Guangdong Provincial Manufacturing Top 100 Enterprises".

In the "2019 Top 500 Private Manufacturing Enterprises in China" list, it was ranked 306th. ³

On August 29, 2019, the Guangdong Enterprise Confederation and the Guangdong Entrepreneurs Association jointly released the 2019 Guangdong Top 500 Enterprises list, where MLS CO., LTD. ranked 104. ⁴

On November 28, 2019, the Guangdong Provincial Federation of Industry and Commerce released the "2019 Guangdong Top 100 Private Enterprises" list, with MLS CO., LTD. placing 67th. ⁵

On July 27, 2020, the 2020 Fortune China 500 list was announced, ranking MLS CO., LTD. at 472. ⁶

On September 10, 2020, MLS CO., LTD. was ranked 300th in the "2020 Top 500 Manufacturing Private Enterprises in China". ⁷

In July 2021, in the 2021 Fortune China 500 rankings, MLS CO., LTD. was ranked 500th. ⁸

On January 28, 2022, the notification issued by the National Development and Reform Commission and other departments regarding the list of newly recognized and all National Enterprise Technology Centers for 2021 (the 28th batch) showed that the enterprise's technology center had the qualification of a National Enterprise Technology Center. ⁹

On June 8, 2022, MLS CO., LTD. was ranked 74th in the "2021 Guangdong Top 100 Private Enterprises" list. ¹⁰

In September 2022, it was included in the "2022 Top 500 Manufacturing Private Enterprises in China" list, ranking 382nd. ¹¹

National Enterprise Technology Center ¹⁵

National Intellectual Property Advantage Enterprise ¹⁶

China Light Industry Top 200 Enterprises ¹⁴

China Light Industry Technology Top 100 Enterprises ¹³

National Green Factory ¹⁷

High-tech Enterprise ¹⁸

Core Culture

Corporate Vision: Build a World-Class Great Enterprise

Corporate Mission: Provide Healthier and More Environmentally Friendly Products for Humanity

Corporate Culture: Pragmatism, Responsibility, Innovation ³⁴

Business Philosophy: Adhere to product innovation, adhere to brand-driven strategy, adhere to intelligent manufacturing, and adhere to healthy development. ³⁴

Business Principle: Use more competitive products to create greater value for customers. ¹²

R&D and Production Bases

Zhongshan: LED lighting devices, LED backlight devices, LED leadframes, power supplies, LED finished lighting products

Ji'an: LED lighting devices, LED display devices, LED display modules

Xinyu: Display PCB, flexible PCB, aluminum-based PCB

Yiwu: Filament bulb lamps, LED tubes, LED lighting fixtures

Foshan: Traditional lighting fixtures, LED lighting fixtures, health lighting, air purification & health ³³

Project Cases

Industrial Lighting

- 1. Italy Centro Carni Company - Production Equipment Room. LEDVANCE equipped the production rooms of Centro Carni Company with moisture-proof specialized LED luminaires. After installation, the lighting quality for employees was significantly improved, meeting all safety standards required for use in the food industry. ³⁶
- 2. Intel Dalian Factory Energy-saving Renovation Project: Through the efforts of LEDVANCE R&D personnel, the challenge of high space and large-span induction sensitivity was overcome, and the project was ultimately completed, receiving praise from the client. ³⁷
- 3. FAW Hongqi Prosperity Factory: The lighting source system from LEDVANCE achieves excellence in color rendering, color temperature, and flicker control. It provides a good match for overall luminaire features such as large prisms and black fields. A total of 1671 high-bay luminaires exhibit good consistency with no color difference perceptible to the naked eye. Floor illuminance meets the client's requirements. ³⁸

Sports Lighting

Lithuania Fabijoniskiu and Taikos Gymnasiums Lighting Improvement - SKM School collaborated with LEDVANCE to improve the gymnasium lighting in a sustainable manner, emphasizing the importance of modern, efficient solutions for the health of children and adolescents. ³⁹

Commercial Lighting

Italy ZANUTTA SPA Store - The track system installed in this project combines two of LEDVANCE's most important luminaires: the TRUSYS system and the TRACKLIGHT SPOT spotlight, achieving excellent results in ease of installation, system adjustability to needs, CRI greater than 90, and consistent lighting throughout the showroom. ⁴⁰

Office Lighting

Madrid FENIE ENERGÍA Headquarters Office Building: LEDVANCE created an advanced lighting system for the FENIE ENERGÍA headquarters in Madrid, combining LED downlights and panel lights with daylight and motion sensors. ⁴¹

Educational Lighting

- 1. Beijing Chinese Academy of Sciences Kindergarten Lighting Upgrade: The smart + healthy lighting solution provided by LEDVANCE, utilizing Platinum Learning side-emitting classroom luminaires with photocatalytic technology (full spectrum) and LEDVANCE Platinum Learning blackboard luminaires, ensures energy-efficient, environmentally friendly, and adequately lit indoor lighting with sterilizing, deodorizing, and formaldehyde-removing functions, helping to prevent issues with children's visual and physical health. ⁴²
- 2. France ENSEGID School Lighting Solution: LEDVANCE's BIOLUX HCL system represents the easiest-to-implement solution, and when used in conjunction with BIOLUX HCL panel lights, ensures user comfort while also meeting the "light well" effect pursued by the architect. ⁴³

Office Address

MLS CO., LTD. relocated from the Private Technology Park at Dongming North Road, Zhongshan City to No. 1 Mulinsen Avenue, Xiaolan Town , Zhongshan City in 2011.

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