



台灣光電暨化合物半導體產業協會  
Taiwan Optoelectronic Semiconductor Industry Association

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會員手冊  
**Member Handbook**

2021

台灣光電暨化合物半導體產業協會

Taiwan Optoelectronic Semiconductor Industry Association (TOSIA)

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# 台灣光電暨化合物半導體產業協會

Taiwan Optoelectronic Semiconductor Industry Association



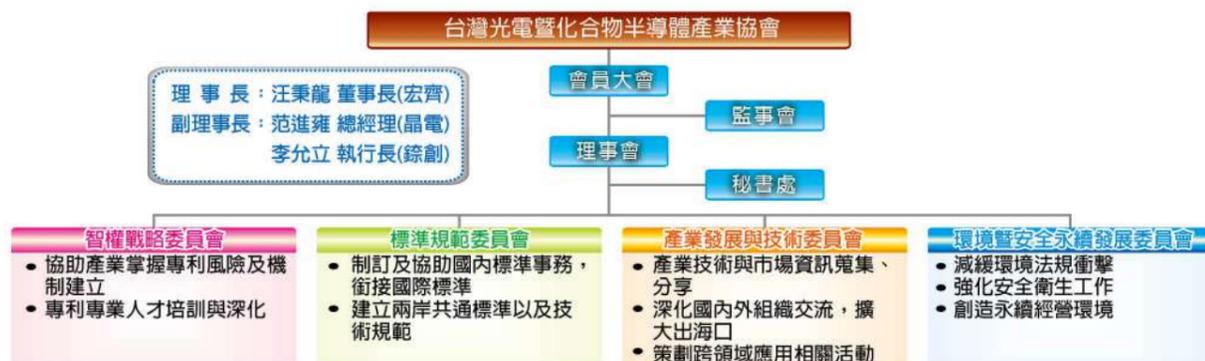
# 台灣光電暨化合物半導體產業協會

Taiwan Optoelectronic Semiconductor Industry Association

## 公司簡介

台灣光電暨化合物半導體產業協會 (簡稱 TOSIA) 成立於民國九十六年，以匯聚國內光電半導體產業發展共識，促成會員間之策略合作，促進產業繁榮進步為宗旨。這十幾年間台灣已在 LED 產業奠定全球前三大供應鏈的國際地位，近幾年產業逐漸轉型擴展到高频高壓應用領域。為帶動產業接軌化合物半導體全球市場趨勢，TOSIA 於 2021 年 2 月由「台灣光電半導體產業協會」更名為「台灣光電暨化合物半導體產業協會」，藉以宣示將凝聚產業共識提昇我國光電及化合物半導體技術水準，接軌化合物半導體全球市場的願景。

TOSIA 組織架構如下：



TOSIA 會員包含國內光電、半導體、照明、感測領域，以及德國感測器協會，共計 25 家團體會員。在化合物半導體、人工智慧物聯網、智慧城市等議題驅動 LED 產業再度升級轉型，TOSIA 將持續結合國內產官學研力量，共同帶領會員為台灣光電及化合物半導體產業發展而努力。

## 會員



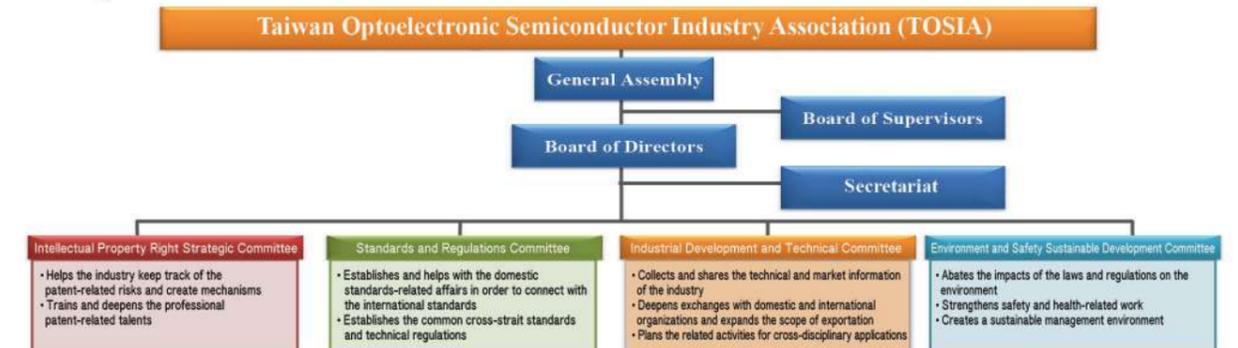
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## Company profile

Taiwan Optoelectronic Semiconductor Industry Association (TOSIA) was founded in March 2007 aims to agglomerate domestic consensus on the development of the optoelectronic and compound semiconductor industry, to promote strategic collaboration among its members, and to advance and bring prosperity to the industry. Meanwhile, it joins efforts with various major associations and industrial organizations, and the Industrial Technology Research Institute to develop an industrial development platform in order to provide effective technical and professional services, and to boost the overall competitive advantages of the optoelectronic and compound semiconductor industry in Taiwan.

Organization :



TOSIA has 25 members, including Optoelectronics、Lighting and Sensor filed in Taiwan. Regarding to issues such as the compound semiconductor、AIoT and Smart City have driven the LED industry to upgrade and transform again, TOSIA will continue combining the efforts of the industry, government, academia and research institutes to help Taiwan optoelectronics and compound semiconductor industry move toward further diversified and limelight new milestone with smart innovation

## Member



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# I-CHIUN 一詮精密工業股份有限公司

I-CHIUN PRECISION INDUSTRY CO., LTD

# I-CHIUN 一詮精密工業股份有限公司

I-CHIUN PRECISION INDUSTRY CO., LTD

## 公司簡介

一詮創立於 1977 年，主要產品有光電導線架、微電機、各式小型馬達及 3C 產業的主要部品。近年來，一詮為配合全球產業生產重心轉移到大陸的趨勢，以及就近服務客戶的需求，積極展開在大陸投資設廠的工作，目前已於深圳、昆山、江門設廠，建立了更迅速完善的服務網。

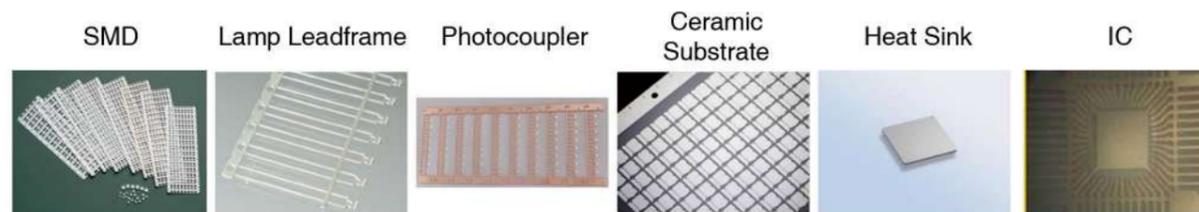
全球員工已達 3000 餘名，以世界性 3C 製造業，全球化前瞻性公司自許。目前一詮光電產業 LED 可見光及不可見光導線架的全球市佔率已經排名世界第一。為了挑戰精度與產能極限，不斷的投入研發，

培植技術能力，開創新產品。更為了開拓國際市場，積極培養人才，禮聘專業經理人建立具有國際觀的經營團隊，奠定永續經營的基礎。

一詮創立至今已經擁有核心智財權超過 50 項以上，分布於手機震動馬達、3C 關鍵部品以及 LED 光電產業導線架等。在無線通訊與電子產業日新月異的今天，企業經營不容絲毫懈怠，一詮集團秉持四十年來創業與立業的精神，繼續朝高科技的領域發展，引進最新技術挑戰未來，以期為客戶與公司創造雙贏的契機。

## 主要產品

主要產品



## 連絡資訊

- ◆ 台北營業處：陳志勇 協理
- ◆ 產品企劃：李廷璽 經理
- ◆ 總公司地址：24890 新北市新莊區五工五路 17 號
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- ◆ 聯絡信箱：webmaster@i-chiun.com.tw

## Company profile

I-Chiun was established in 1977 as a manufacturer of optoelectronic lead frames, miniature electrical products, small motors and 3C products. In recent years, I-Chiun shifted its manufacturing base to China and invested in production plants in China to serve customers in the area. I-Chiun successively built plants in Shenzhen, Kunshan, Jiangmen and established a responsive and complete service network.

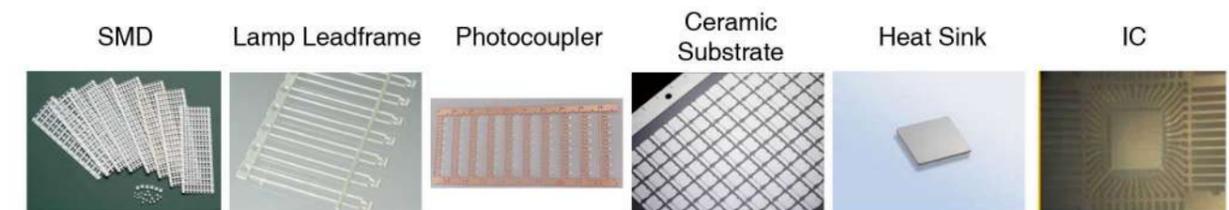
I-Chiun is a global company with over 3,000 employees worldwide that aims to become an advanced world-class 3C manufacturer. Currently, I-Chiun's optoelectronic LED and visible/invisible light lead frames have been ranked number one in terms of global market share. To improve precision and production capacity, I-Chiun has continuously invested in research and development, enhanced its technology and developed new products. As we enter

international markets, we work to cultivate top-quality human resources and recruit professional managers to form a team with an international point of view to build a foundation for sustainable development.

Since its establishment, I-Chiun has become the proud owner of over 50 items of intellectual property in the areas of mobile phone vibration motors, 3C key components, and LED optoelectronic lead frames. In this era when technology for wireless communication and electronics is advancing daily, the operation of our business does not allow us to rest on our laurels. I-Chiun upholds the spirit of sustainable development. In the 40 years since our establishment, I-Chiun has continued to advance in the field of high-technology. I-Chiun aims to assimilate the newest technology and challenge the future to create win-win opportunities for our clients and the company.

## Products

Main Products



## Contact Information

- ◆ sales representative:Chih Yung Chen
- ◆ Product Supervisor:Ted Lee
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- ◆ Contact Us:mail: webmaster@i-chiun.com.tw

# SANDER 88 三得電子股份有限公司

Sander Electronics Co. Ltd

# SANDER 88 三得電子股份有限公司

Sander Electronics Co. Ltd

## 公司簡介

三得電子股份有限公司創立於西元 1989 年，是創辦人黃茂雄先生累積三十餘年 LED 之專業製造經驗的成果。

三得電子本著「永續經營、基業長青」的理念，不斷地培育人才並引進自動化與最新科技的生產設備，在全體員工全心投入的研究、開發與創造之下，以服務導向的理念，與顧客秉持「共存」、「共榮」的夥伴相關，成就了目前的三得電子的經營成績；現今 LED 產品廣泛應用於科技與生活，三得電子以穩定現有市場與顧客為基礎，放眼全球市場，展現對技術實力的信心與擴大經營版圖的企圖心。

三得電子將持續提升 LED 的附加價值與實用性，不斷為客戶創造商機，是穩定中求成長的重要元素。我們將從 LED 原料之配方、各項工序，產品開發到成品一貫作業方式，秉持著「品質創造信譽；信譽創造品質」的信念，提供市場更多元化商品的需求，這不但是三得電子經營的理念與願景，亦是全體員工追求的願景與目標。

目前公司營運據點：

台灣 (台北、台南、宜蘭)、馬來西亞、日本辦公室、美國辦公室，公司的業務版圖將不斷的擴增當中。

## 主要商品 / 服務項目

1. 各式發光二極體 (LED) 包含交通用紅外線產品
2. 室內, 戶外看板專用 LED 模組, 看板
3. 特殊光源模組開發
4. 車用之 LED 設計
5. LED 照明產品開發設計
6. OEM、ODM 產品服務

## 連絡資訊

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## Company profile

Through the tireless efforts of the founder, Mr. Huang Maoxiong, since 1989, Sander Electronics Co Ltd has now more than 30 years of professional experience in LED manufacturing.

Based on the concept of "sustainable management and long-lasting business", Sander continues to cultivate talents and introduces automation and the latest technology production equipment.

Sander Electronics' business performance today is achieved under the dedicated research, development, and creation of all employees with a service-oriented concept, and also customers who adhere to the principles of "coexistence" and "common prosperity".

Nowadays, LED products are widely used in technology and life. Sander Electronics not only maintains stable relationships, with customers as foundation, but Sander Electronics is also

demonstrating confidence in its technological strength and ambition to expand its business scope in the global market.

Sander Electronics will continue to enhance the added value and practicality of LEDs in its operation and manufacturing methods: from LED raw materials, various processes, product development to finished products, upholding the belief of "quality creates credibility; credibility creates quality", to provide the market with more diversified product needs.

This is not only the business philosophy and vision of Sander Electronics, but also the vision and goal pursued by all its employees.

### Locations:

Taiwan (Taipei, Tainan, Yilan), Malaysia, Japanese office, American office, the company's business map will continue to expand.

## Product Descriptions

LED module, VMS, Message boards, Price boards, LED components, LED solutions, LED lighting, LED bus sign LED signs, LED diodes, LED lights, LED display, LED headlight LED DRL, LED automotive lighting, Power supply, cluster.

## Contact Window

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# 工業技術研究院 電子與光電系統研究所

Industrial Technology Research Institute Electronic and Optoelectronic System Research Laboratories

# 工業技術研究院 電子與光電系統研究所

Industrial Technology Research Institute Electronic and Optoelectronic System Research Laboratories

## 公司簡介

工業技術研究院電子與光電系統研究所，致力於電子領域的化合物半導體、非揮發性記憶體、寬能隙電力電子與 3DIC 技術，光電領域的智慧視覺、micro LED、LED 磊晶元件與模組、LED 照明技術的精進開發，近期加速投入綠能環保和智能系統兩大新興研發課題，期望持續帶動產業創新，拓展產業價值，推動新創育成業務，為我國產業締造源源不絕的全球競爭力。

## 主要技術

- A. 微型光電元件與系統應用
- B. 化合物半導體與功率系統技術
- C. 智慧視覺系統
- D. 半導體晶片與設計技術
- E. 異質整合智能系統
- F. 顯示與系統整合技術
- G. 智慧混合電子系統

## 服務專線

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## Company profile

The Electronic and Optoelectronic System Research Laboratories of ITRI has been devoting in-depth R&D in Compound Semiconductor、Non-Volatile Memory, Wide Band Gap, Solid-State Memory and Packaging of 3D IC, Flexible Electronics, micro-LED, LED Smart Lighting, Intelligent Vision as well as the Epitaxy, Design of Device and Module of LED. With additional emphasis in developing Green Energy & Environmental Protection and Intelligent Systems, EOSL continues to spearhead the innovation for the industries by empowering global competitiveness, creating new values and incubating new tech-centric businesses.

## Products

- A. Opto-Electronics Micro Device & System Application
- B. Compound Semiconductor and Power Electronic System
- C. Intelligent Vision System
- D. Chip Technology and Design
- E. Heterogeneous Integration Technology and Intelligent System
- F. Display and System Integration
- G. Intelligent Hybrid Electronics System

## Contact Information

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# Kingbright 今台電子股份有限公司

Kingbright Electronic Co., Ltd.

# Kingbright 今台電子股份有限公司

Kingbright Company, LLC

## 公司簡介



今台電子 (Kingbright) 是一家專業的 LED(發光二極體) 製造廠, 自 1980 成立於台灣後, Kingbright 持續不斷的在 LED 電子零件的專業領域內成長茁壯和擴大影響力。擁有超過 40 年的專業製造經驗, 今台開發的各項 LED 產品和技術的創新, 對我們全球各地的客戶助益良多。

今台電子位於台灣新北市, 為了近距離提供給世界各地的客戶最快速的服務品質, 在全球各地皆有行銷系統。

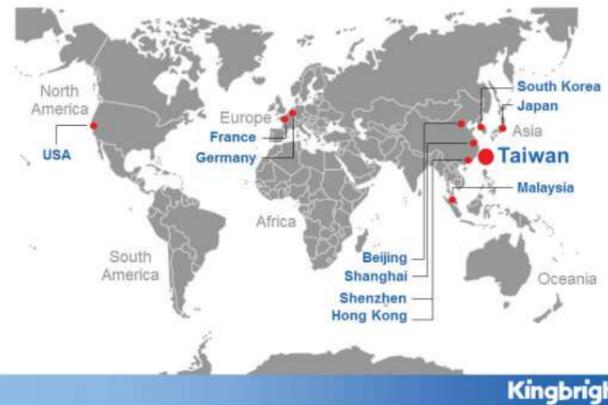
過去 40 多年來, 今台電子成功地在銷售額成長茁壯和全球業務的穩健擴張, 是由於 Kingbright 一流的產品和對客戶的體貼服務, 持續不斷的吸引在世界各地的客戶。今台電子將會秉持同一水準, 並再接再勵在 LED 之領域上做更進一步的創新與服務。



## 主要產品

今台電子工廠有通過各項重要品質管理認證包括 ISO 9002 與 TS 16949, 實行 6 SIGMA 品管系統和導入 ERP 系統管理。

自動化產線產能 SMD LED 每月三億顆, Through-hole Lamp 每月二億顆, LED Display 每月七百萬個。



Kingbright



## 連絡資訊

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- ◆ EMAIL: [sales@kingbright.com](mailto:sales@kingbright.com)

## About Kingbright LED MANUFACTURER

Kingbright Company has manufactured innovative Light Emitting Diodes for 40 years. Kingbright offers the most comprehensive LED product portfolio in the industry, including: SMD LEDs, Through-Hole LEDs, SMD/ Through-Hole Displays, Circuit Board Indicators and High Brightness LEDs. Kingbright also offers fully customized LED solutions to enhance customer designs with many options in LED packaging and colors.

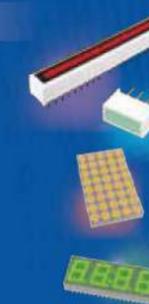
Kingbright's core mission is to achieve innovation through investment in research and development that creates the highest efficiency LEDs in compliance with ROHS and REACH directives. Kingbright is TS16949, ISO9001, and ISO14001 certified.

### SMD LED



- Top-Emitting PLCC SMD LED
- Top-Emitting Chip SMD LED
- Right Angle SMD LED
- Multi-Color SMD LED
- Subminiature SMD LED
- Reverse Mount SMD LED
- SOT-23 SMD LED

### THROUGH-HOLE DISPLAY



- Single Digit 7-Segment Through-Hole Display
- Dual Digit 7-Segment Through-Hole Display
- Three Digit 7-Segment Through-Hole Display
- Four Digit 7-Segment Through-Hole Display
- Alphanumeric Through-Hole Display
- Dot Matrix
- Bar Graph Array
- Light Bar

### THROUGH-HOLE LED



- Round LED
- Oval LED
- Rectangular LED
- Cylindrical LED
- Multi-Color LED
- Resistor LED
- Blinking LED
- Low Current LED

### CIRCUIT BOARD INDICATOR (CBI)



- Single-Level CBI
- Bi-Level CBI
- Tri-Level CBI
- Quad-Level CBI
- SMD CBI
- Panel Mount CBI

### SMD DISPLAY



- 7-Segment SMD Display
- Alphanumeric SMD Display

### INFRARED & PHOTOTRANSISTOR



- Infrared Emitting Diode
- Phototransistor



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# 台達電子工業股份有限公司

DELTA ELECTRONICS INC.



# 台達電子工業股份有限公司

DELTA ELECTRONICS INC.

## 公司簡介

台達由鄭崇華先生創立於 1971 年，為全球提供電源管理與散熱解決方案。面對日益嚴重的氣候變遷，台達長期關注環境議題，秉持「環保 節能 愛地球」的經營使命，持續開發創新節能產品及解決方案、不斷戮力提升產品的能源轉換效率，以減輕全球暖化對人類生存的衝擊。近年來，台達已逐步從關鍵零組件製造商邁入整體節能解決方案提供者，深耕「電源及零組件」、「自動化」與「基礎設施」三大業務範疇。



## 照明解決方案

台達提供全方位的 LED 照明產品及系統整合服務，滿足客戶照明需求。

LED 產品包括：

工業照明：天井燈、天車燈、停車場燈

道路照明：路燈

商用照明：嵌燈、軌道燈、吸頂燈、平板燈

戶外照明：投光燈、矮柱燈、壁燈

漁業照明：集魚燈

服務內容包括：

照明設計解決方案

智慧路燈解決方案

物聯網照明解決方案

## 連絡資訊

◆ [LS.Sales@deltaww.com](mailto:LS.Sales@deltaww.com)

## About the Company

Delta, founded in 1971, is a global provider of power and thermal management solutions. Its mission statement, "To provide innovative, clean and energy-efficient solutions for a better tomorrow," focuses on addressing key environmental issues such as global climate change. As an energy-saving solutions provider with core competencies in power electronics and automation, Delta's business categories include Power Electronics, Automation, and Infrastructure.



## Business Categories

Delta offers a full range of LED lighting products and system integration services to meet customers' lighting needs.

LED products include :

Industrial Lighting: High bay, Overhead crane, Linear

Street Lighting: Street light

Commercial lighting: Downlight, Track, Ceiling, Panel

Outdoor lighting: Flood, Bollard, Wall light

Fishing light: Saury light, Squid light

Services include:

Lighting design solutions

Smart street light solutions

BIC (Bluetooth Intelligent Control) solutions

## Contact us

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# 巨鏵科技股份有限公司

GIGA ELECTRONIC TECHNOLOGY CORP.



# 巨鏵科技股份有限公司

GIGA ELECTRONIC TECHNOLOGY CORP.

## 公司簡介

關於巨鏵科技

巨鏵科技 = GIGA ELECTRONIC TECHNOLOGY = "GET"

持續創新與開發社會及顧客真正所需之優良產品和完善服務。

不斷追求並達成對客戶、員工、股東、廠商都能互利及利潤共享。

嚴格實施準時交貨，讓客戶端能夠安心。

本公司不使用“禁用物質”於產品，以實現環境保護，承擔社會責任。並遵守環境法規，減少廢棄物及推動回收制度。

### THE EPI WAFER QUALIFIED BY JAPAN

Giga Electronic Technology Corp. 成立於 2000 年，導入日立電線 ( 股 ) 的 epi 技術及品質系統，本公司以自有 MOVPE 技術來製造供應微波儀器 (HBT 及 HEMT) 及光學儲存裝置用的雷射二極體磊晶片。進而以日立電線 ( 股 ) 委託代工公司身分，受到日本

顧客的肯定評價並持續供應日本量產產出。

### 巨鏵科技之品質管理系統 (QMS) 與環境管理系統 (EMS)

巨鏵科技對於生產《砷化鎵磊晶片》的製程中所執行之品質管理系統 (QMS)，皆已根據 ISO 9001 : 2015 (CNS 12681 : 2016) 之要求條件；巨鏵科技對於生產《砷化鎵磊晶片》的製程中所實行之環境管理系統 (EMS)，已根據 ISO 14001 : 2015 (CNS 14001 : 2016) 之要求條件，以上均已通過環亞貝爾國際標準驗證 (BellCERT Asia, Ltd.) 之評鑑作業並獲頒此系統之證書。

### 致力向前邁進

巨鏵科技致力於節能和綠色能源產品的開發。

我們為客戶提供品質最佳的產品，並成為世界上最優質的供應商。

## 產品特色

LPE EPI WAFER 有以下產品：

a. AlGaAs SH

b. AlGaAs DH

c. IR(Homo940/Window940)

應用產業：室內用顯示器、指示器、汽車、醫療、保全等等。

MOCVD EPI WAFER 有以下產品：

a. AS type

b. WB type

應用產業：顯示器、汽車、交通、醫療、農業、保全、號誌等等。

VCSEL EPI WAFER

波長：850/ 940nm/ Customer design

應用產業：3D 辨識、紅外線光源、光通訊、自動駕駛等。

## 連絡資訊

◆ service@getc.com.tw

◆ Tel: 886-3-2889368

◆ Fax: 886-3-2889356

## About the Company

GIGA ELECTRONIC TECHNOLOGY = "GET"

Contributing to innovation and development on the standard of living by supplying products and services needed truly by society and customers. Long-term commitment to customers, employees, shareholders, suppliers, and agents for reciprocal interest and profit sharing.

### THE EPI WAFER QUALIFIED BY JAPAN

"GET" was founded in 2000. Through introduction of MOCVD Electronic technology and quality system from Hitachi Cable Japan, GET was the OEM company for manufacturing epi wafer of microwave (HBT and HEMT) and laser diode for optical storage. The products were qualified by customers in Japan and mass production.

### Quality Management System & Environmental Management System

The Quality Management System (QMS) of GET is on the basis ISO 9001 : 2015 (CNS 12681 : 2016) . And The Environment Management System (EMS) of GET is on the basis ISO 14001 : 2015 (CNS 14001 : 2016) . Both of the QMS & EMS of GET has passed conformity assessment of AFNOR Asia in epitaxial process.

### WE KEEP MOVING FORWARD

GET focus on development of product for energy-saving and green-energy.

We offer customer the best quality of our product and become the best quality supplier in the world.

## Product characteristics

LPE EPI WAFER :

a. AlGaAs SH

b. AlGaAs DH

c. IR(Homo940/Window940)

Application : Indicator, Display, Automobile, Medical, Security.

MOCVD EPI WAFER :

a. AS type

b. WB type

Application : Indicator, Display, Automobile, Medical, Security, Signal, Agriculture.

VCSEL EPI WAFER

Wave length : 850/ 940nm/

Customer design

Application : 3D imaging, IR light source, Optical communication, Automobile.

## Contact us

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# 立碁電子工業股份有限公司

Ligitek Electronics Co., Ltd.



# 立碁電子工業股份有限公司

Ligitek Electronics Co., Ltd.

## 公司簡介

立碁電子集團是發源於以 LED 光電半導體專業生產製造為主體的營運企業，自 1989 年起正式成立，長期以來以穩健的作風，雄厚的研發實力發展綠能相關科技，為國際客戶帶來最優質、最全面的光電節能整合服務。



## 主要產品

### LED 與 LASER 封裝事業

◆ 產品與應用：電腦設備及其他資訊與網通廠商相關 LED 元件及模組需求、安控產業使用紅外線 LED 元件與模組、固化設備業使用紫外線 LED 元件與模組、VCSEL LASER 元件與模組設計、電視背光模組、車用儀表、LED 車燈、手機背光源板、全彩 LED 資訊看板、月台警示燈、交通號誌及指示燈，領域包含航空、通訊、交通運輸、汽車電子、LED 顯示屏幕、商業及民用照明、城市建築亮化工程（廣告裝飾與各種燈飾應用）。



### LED 照明事業

◆ 產品與應用：LED MR16、LED AR111、LED T8 及 T9 燈管、LED 嵌燈、T-Bar、LED 路燈、LED 天井燈、LED 投射燈、光引擎及光源智慧型控制模組。



### 大眾交通及捷運系統應用

◆ 產品與應用：LED 月台警示燈、捷運、鐵路、車廂、隧道、公路等交通相關應用燈具。



### 汽車、機車 LED 模組應用

◆ 產品與應用：機車儀錶板 LED 模組應用設計客製化生產、汽車相關 LED 照明產品開發、腳踏車前、後 LED 燈具模組合作開發。



### 影像照明紅外線模組產品與代工

◆ 產品與應用：監視器用紅外線照明模組、影像辨識 LED 或 LASER 照明模組、訊號偵測用紅外線模組。



### 紫外線模組產品

◆ 產品與應用：膠材固化設備業、曝光顯影設備、殺菌設備業。



### 太陽能事業

◆ 產品與應用：高功率 Solar Module 太陽能電池組件與太陽能電池板。

◆ 在台灣安裝工程實績：台灣電力公司、台灣中油公司、中華郵政公司、氣象局、消防局、國家風景區、農委會茶業改良場台東分場、嘉義大學、台北科技大學...等太陽能系統。



## 服務專線

- ◆ 電話 :886-2-77036000
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- ◆ E-mail:ligitek@mail.ligitek.com

## Company profile

Ligitek Electronics Group is the operating company with the mainstay originated in the LED optoelectronic semiconductor professional manufacturing. Established since 1989, for a long time with a prudent style, strong research and development capabilities, Ligitek Electronics

Group develops green energy-related technology to bring the highest-quality, most comprehensive photovoltaic energy saving integration services to international customers.



## Main Products

### LED and LASER packaging business

Product and application: LED components and modules needs related to computer equipment and other information and net connection vendors, infrared LED components and modules used by security control industry, curing equipment industry used UV LED components and modules, VCSEL LASER components and modules design, TV backlight module, automotive instrumentation, LED vehicle lights, mobile phone backlight plate, full-color LED billboard, the platform warning lights, traffic signals and indication lights. The field contains the aviation, telecommunications, transportation, automotive electronics, LED display screen, commercial and civil lighting, urban construction illumination works (advertising decoration and various lighting applications).

### LED lighting business

Products and applications: LED MR16, LED AR111, LED T8 and T9 lamp, LED embedded light, T-Bar, LED street light, LED patio light, LED spot light, light engine and light source intelligent control module.

### Mass transit and MRT system applications

Products and applications: Traffic application related lighting like LED platform warning light, mass rapid transit, railway, cars, tunnels, highways and others.

### Automobile, motorcycle LED module applications

Products and Applications: Motorcycle dashboard LED module application design customized production, automotive LED lighting product development, bike front, rear LED lamps module development cooperation.

### Imaging lighting infrared module and OEM

Products and Applications: Monitor infrared lighting module, image recognition LED or LASER lighting module, infrared signal detection module.

### UV module

Products and applications: plastic curing equipment industry, exposure and development equipment, sterilization equipment industry.

### Photovoltaic Solar energy business

Obtained the United States California Energy Bureau certified as qualified solar module suppliers.

Product and application: High power solar module, solar cell components and solar panels. Installation works performance in Taiwan: Taiwan Power Company, CPC Corporation, Taiwan, Chunghwa Post Co., Ltd., Weather Bureau, Fire Department, National Scenic Area, the Council of Agriculture Tea Research and Extension Station, Taitung Station, Chiayi University, Taipei University of Technology ... and other solar systems.

## Contact Information

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## 公司簡介

光鼎電子股份有限公司成立於 1987 年，以生產 LED 發光二極體與提供照明節能方案為主，近年來亦積極與國際 PC 大廠合作，參與電競電腦的 LED 炫光系統之設計。

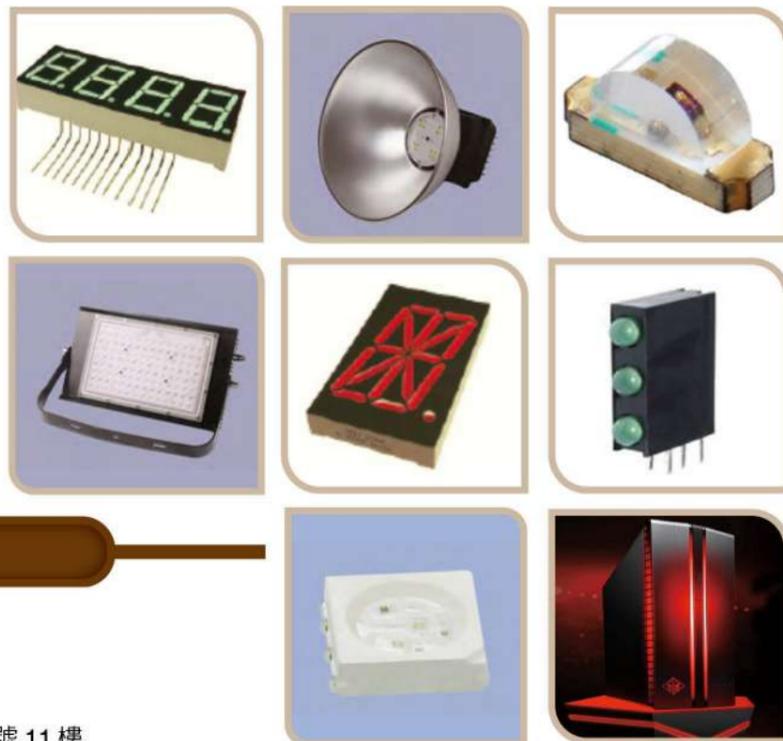
多年來光鼎致力於自動化設備更新、市場的國際化及完整的售後服務，本公司已成為國內外 LED 發光二極體的重要供應商之一，並通過 ISO 14001、ISO 9001 及 TS16949 認證，提供值得信賴的品質。挾帶著在 LED 封裝的充沛創新及研發能力，近幾年，光鼎亦成功跨入 LED 照明領域，產品也陸續通過 UL、CNS 及 PSE 等國際標準。自 2015 年開始，電競產業市值持續創新高，在 LED 照明模組耕耘多年

的光鼎也開始積極布局電競電腦市場，與世界級大廠合作，參與多項電競電腦的 LED 炫光系統設計專案，並得到肯定。

目前光鼎在中國大陸與台灣設有兩座工廠，擁有 2,000 名員工，現正積極尋找合作廠商以完整銷售通路，亦不斷投資設立海外分公司，如：美國、墨西哥、香港、韓國、緬甸及中國大陸各地區以擴展業務版圖。為因應客戶需求並提高生產效率，光鼎持續研發新產品、改善製程、增添自動化生產設備及測試儀器，增加產品與品質競爭力。

光鼎電子將本著〔品質・專業・服務〕的精神，以滿足客戶需求為優先考量，供應高品質的產品。

- ◆ LED 元件：SMD、PLCC、高功率 LED、Lamps、七段顯示器
- ◆ LED 替代性光源及照明燈具：天井燈、投光燈、路燈
- ◆ 光模組：電競電腦 LED 炫光系統



## 連絡資訊

- ◆ 網站：www.para.com.tw
- ◆ 電話：+886-2-2225-3733
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- ◆ E-mail：para@para.com.tw

## Company profile

Founded in 1987, PARA LIGHT (TWSE code: 6226) is a world-leading expert of LED components, LED lighting modules and LED lighting solutions.

In the past 30 years, PARA LIGHT has been devoted to new product development, automation equipment upgrade, and enhancing the efficiency of manufacturing processing to establish our competitiveness in the global market.

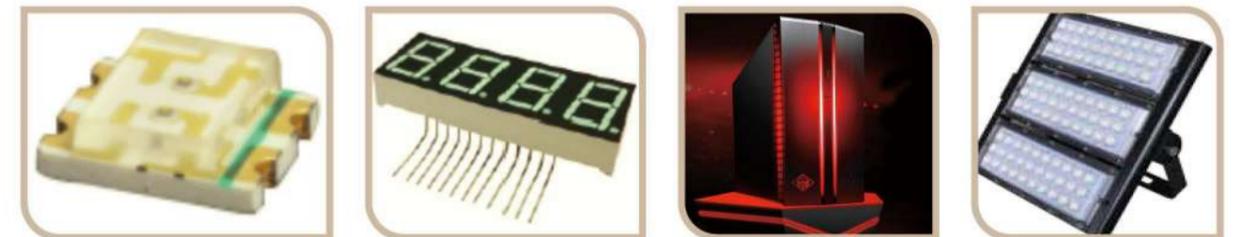
### LED Components, Lighting Solutions and Gaming PC Lighting System

PARA LIGHT was founded in LED package industry providing a diverse product portfolio consisting of High Power LEDs, SMD LEDs, Digital Displays, PLCC and Lamps. With 30 years superior technology in LED package, PARA LIGHT is now also

PARA Light has 2 manufacturing plants in China, certified with ISO 14001, ISO 9001 and TS16969, with approximately 2,000 employees, including 100 quality control staffs aiming to maintain high product quality and 150 R&D staffs dedicated to serve customer's needs. Today, PARA LIGHT is a global company with sales offices and warehouses in US, Mexico, China, Hong Kong and across Asia that allows us to provide immediate services.

successfully attached into LED lighting market and gets reputation in the past few years.

In recent years, PARA LIGHT expands its market reach in Gaming PC Lighting System area, and achieves success by providing immediate ODM/OEM customized professional services to satisfy customer demand.



## Contact Information

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# OPTOTECH 光磊科技股份有限公司

OPTO TECH CORPORATION

# OPTOTECH 光磊科技股份有限公司

OPTO TECH CORPORATION

## 公司簡介

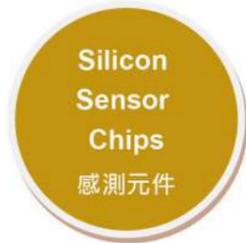
從 LED 磊晶材料、晶粒製造、元件封裝、到 LED 應用產品的生產製造，光磊科技是提供光電半導體整體解決方案的專業團隊。以生產銷售發光二極體晶粒起家，陸續推出矽基型光電二極體 (Photodiode)、光電晶體 (Phototransistor)、齊納二極體 (Zener diode) 等元件，近期並持續推出砷化鎵光電二極體 (InGaAs PD)、垂直共振腔面射型雷射 (VCSEL) 等新產品。在發光元件、感測元件、系統產品等領域，我們全心投入，透過資源整合與不斷的創新，為專業市場提供符合需求的解決方案。

更多訊息，請參閱光磊科技網站 [www.opto.com.tw](http://www.opto.com.tw)

## 主要產品



- 可見光發光二極體晶粒
- 紅外線發光二極體晶粒



- 檢光二極體晶粒
- 檢光電晶體晶粒
- 光閘流體晶粒
- 接面場效電晶體晶粒
- MOS場效電晶體晶粒
- 矽納二極體晶粒
- 蕭特基二極體晶粒
- 晶粒電阻



- LED顯示屏
- LED建築舞台燈具
- LED照明燈具
- LED車用照明

## 聯絡我們

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傳真：+886-3-5795718
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## Company Profile

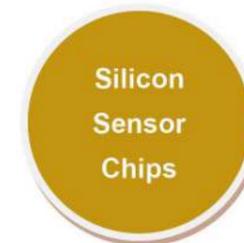
Opto Tech Corporation (OPTOTECH) provides a total solution for optoelectronics semiconductor devices that includes LED epitaxial materials, chip process and component manufacturing through to LED application product manufacturing. OPTOTECH keeps providing various products, such as silicon-based Photodiode, Phototransistor, and Zener diode. We continuously launch our cutting-edge products, such as InGaAs Photodiode (InGaAs PD), and Vertical Cavity Surface Emitting Laser (VCSEL) recently. Through effective resource integration and ongoing innovation, OPTOTECH is able to provide solutions that meet the needs of a variety of market segments.

For more information, please visit us at [www.opto.com.tw](http://www.opto.com.tw).

## Products



- Visible LED chips
- Infrared LED chips



- Photo diode chips
- Photo transistor chips
- Photo triac chips
- Junction FET chips
- Power MOS FET chips
- Zener diode chips
- Schottky diode chips
- Resistor chips



- LED displays
- LED architectural and stage lighting
- LED luminaries
- LED automotive lighting

## Contact Information

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# 光鋇科技股份有限公司

EPILEDs Co., Ltd.



# 光鋇科技股份有限公司

EPILEDs Co., Ltd.

## 公司簡介

光鋇科技成立於 2006 年 6 月，並獲南科管理局核准進駐台南科學工業園區並於 2017 年正式搬遷至樹谷園區，致力於藍、綠、紅、黃、不可見光、紫、深紫外光 LED 磊晶片及晶粒之研發、設計、製造與銷售。

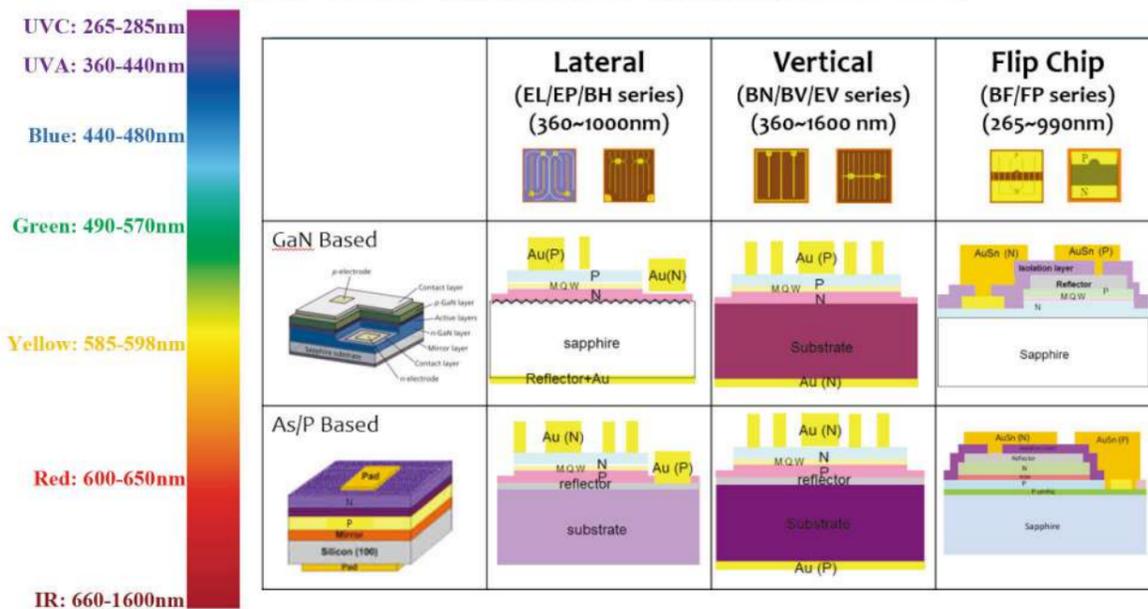
光鋇不僅僅是全台唯一據有全光譜製程能力的 LED 製造商 (波段 :265-1600nm)，且自磊晶片至晶片生產皆於台灣當地生產製造。因應全球市場的多

變性，光鋇針對客戶需求除了擁有客製晶片大小的能力之外，在 UVA/B、UVC(封裝)、IR dual junction 也是 LED 首屈一指的先驅，近年更致力於 VCSEL、MINI&MICRO LED 晶片等特殊應用市場。

公司自成立以來，堅持『突破、創新、專業、負責』之經營理念，創造客戶、合作夥伴、社會大眾、投資者與光鋇之互利互惠的雙贏局面，以維持企業之永續發展。

## 產品介紹

晶片包含垂直 / 水平 / 覆晶等結構並涵蓋全光譜的選擇 (265nm-1600nm)



## 連絡資訊

- ◆ <http://www.epileds.com.tw>
- ◆ [sales@epileds.com.tw](mailto:sales@epileds.com.tw)
- ◆ No.7, Kanxi Rd., Tree Vally Park, Xinshi Dist, Tainan City, Taiwan
- ◆ 06 - 5050101

## Company profile

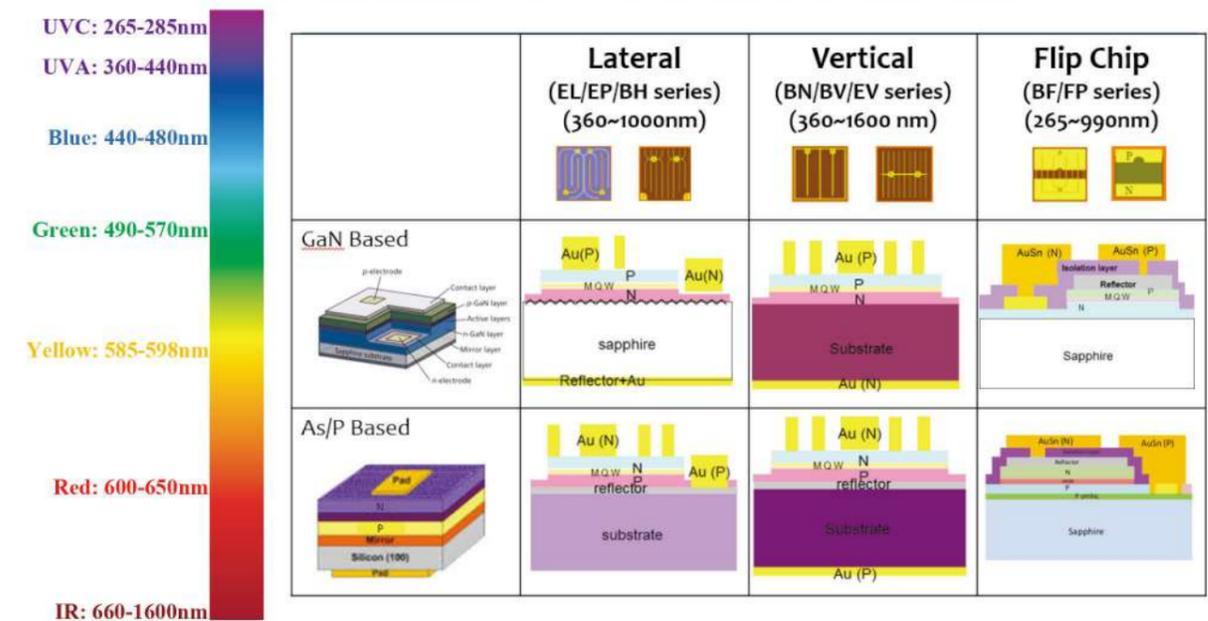
EPI LEDs Co., Ltd. was established on June 12th, 2006, approved by National Science Council and relocated at Tainan Tree Valley Park with new production line in 2017.

EPILEDs is an exclusively LED manufacturer with full range of wave length (from265-1600nm), and from

Epi wafer to chip is made by ourselves in Taiwan. With a capability of customizing size and supporting UVA/B, UVC(package), and IR dual junction chips, EPILEDs also dedicates developing VCSEL, MINI&MICRO LED to support potential market demand.

## Products

Feature in Vertical/Lateral/Flip chips with full spectrum from 265nm-1600nm



## Contact Information

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- ◆ No.7, Kanxi Rd., Tree Vally Park, Xinshi Dist, Tainan City, Taiwan
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# LITEON® 光寶科技股份有限公司

LITE-ON TECHNOLOGY CORPORATION

# LITEON® 光寶科技股份有限公司

LITE-ON TECHNOLOGY CORPORATION

## Our Profession Your Brilliant

光寶科技成立於 1975 年，為臺灣 LED 產業鼻祖，也是臺灣光電零組件龍頭。

光寶科技光電事業群擁有堅強的研發和製造能力，產品從照明到感測，從低功率到高功率，從 LED 到雷射，從客制品到大批量應用，從可見光到紅外線和紫外線。

光寶科技光電事業群提供全方位的光電產品解決方案，為最佳的光電產品合作夥伴。

光寶科技光電事業群產品解決方案廣泛應用於電腦，通信，消費，汽車和工業領域。

## Product



## Contact

- ◆ 姓名：賴怡玲 / 鄧麗菲
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- ◆ 網址：<http://www.liteon.com/opto>



## Our Profession Your Brilliant

Founded in 1975, LITE-ON Technology is the longest running and largest-scale optoelectronic semiconductors supplier in Taiwan.

LITE-ON is the leading global provider of optoelectronic semiconductors, with a comprehensive portfolio from illumination to sensing, from low power to high power, from custom-made to commodity, from LED to Laser, from visible lights to infrared & UV.

Offering one of the industry's broadest product portfolios.

Lite-ON's optoelectronic based product solutions are used in a wide variety of applications covering various segments of the computer, communications, consumer, automotive and industrial.

## Product



## Contact

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# EDISON 艾笛森光電股份有限公司

Edison Opto Corporation

# EDISON 艾笛森光電股份有限公司

Edison Opto Corporation



## 公司簡介

艾笛森光電於 2001 年 10 月由吳建榮董事長創辦成立，總部位於台灣新北市中和，擁有多年的研發實務經驗，專注於設計與製造高功率 LED 與各種半導體照明 (Solid State Lighting) 應用模組、光纖通訊傳輸、光感測元件與車用 LED 等光電產品。

艾笛森光電為提供客戶完整的開發流程，建立熱、電、機、光 (TEMO) 技術與設計服務平台，致力於產品品質、良率提升；首創 LDMS (Lighting Design Manufacturing Service) LED 整合設計服務，從元件到模組，從光學設計到燈具成品製造，建立垂直式客製化解決方案，提供更完善的客戶服務價值。

時至今日，艾笛森光電立足台灣 20 載，製造基地擴及大陸東莞與揚州，並於北美設立子公司，業務領域遍及歐、美市場。並且取得 ISO 9001 及 ISO 14001 國際品質及環境管理系統認證，更通過高規格 IATF 16949 汽車供應鏈驗證，滿足 EMS 品質管理與開發需求，與客戶攜手佈局未來。

## 產品特色

LED 元件封裝、LED 模組設計／燈具製造開發

- EdiPower COB 封裝
- EdiLex AC / DC 模組
- DOB III Driver on Board 系列
- EDILON IR Emitter 紅外線 LED
- EDILUV UVC Series 紫外線 LED
- EDVCSEL VCSEL 系列／TOF 發射模組／結構光模組／光達 (Lidar)
- Horticulture LED 植物照明
- Automotive LED 車載照明



## 連絡資訊

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- ◆ 網址：http://www.edison-opto.com

## About Edison Opto

Edison Opto was established by Mr. Jason Wu, the chairman as well as the founder, at New Taipei City of Taiwan in 2001. For its innovated technology strength, Edison Opto provides comprehensive LED and solid-state lighting products from LED Component, Light Module, UV / IR LED, LED sensing, Horticulture and Automotive Lighting.

With a view to improve R&D process, Edison Opto develops the vertical platform on (Thermal · Electrical · Mechanical · Optical) to ensure the quality of products and services; Furthermore, Edison Opto creates (Lighting Design Manufacturing Service) from light source to luminaire manufacturing, to serve our customers a quality experience of customized solutions.

To provide prompt operations, Edison Opto nowadays has 2 factories at Dongguan and Yangzhou in China, and set up a subsidiary in the United States to extend the worldwide service to our customers. For 20 years, Edison Opto is committed to providing quality manufacturing services through ISO 9001, ISO 14001 as well as IATF 16949, we keeps focusing on helping our partners to obtain business opportunities in the future together.



## Product Portfolio

LED Component、LED Light Module / Lighting Fixture

- EdiPower COB Package
- EdiLex AC / DC Module
- DOB III Driver on Board Series
- EDILON IR Emitter
- EDILUV UVC Series
- EDVCSEL VCSEL / TOF / Structured Light / Lidar
- Horticulture LED
- Automotive LED

## Contact Us

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# HARVATEK 宏齊科技股份有限公司

HARVATEK CORPORATION



# HARVATEK 宏齊科技股份有限公司

HARVATEK CORPORATION



## 公司簡介

本公司創立於 1995 年，主要研究開發二極體封裝設計、製造、測試及產品進出口貿易業務，屬於 LED 下游封裝產業，在產業供應鏈中是關鍵性的策略夥伴，因應市場環境需求，追求企業永續經營。未來本公司計劃開發之新商品及服務仍以 SMD LED 之封裝技術為主軸，以現有產品之衍生品、改良品，甚或整合型產品為主。並以「成為全球 SMD LED 之技術領導廠商」及「成為“光”概念公司」自我期許。



## 產品特色

以通訊工業、汽車工業、彩色顯示工業為研發主軸，並以自有技術為基礎，發展超高亮度、高功率之 LED 產品。



- 1. 家電 (掃地機器人 / 烘手機)**  
紅外線發射 / 接收器應用在多種智能家電的感應上，透過紅外線感應，能讓家電更具智慧、更人性化。
- 2. 電競週邊 (電競鍵盤)**  
電競鍵盤全面使用 IR/PT 感應的光軸鍵盤，按鍵行程短，壽命長。
- 3. 行動裝置 (手機 / 平板)**  
紅外線距離感應、相機鏡頭的紅外線 / 雷射對焦等，為行動裝置帶來更精確、更高效的能力。
- 4. 穿戴式 (智慧手錶 / 手環)**  
穿戴式的健康管控裝置，利用不同波段的光源搭配生物感測晶片，能每日監控健康狀況，提醒自己該注意或改善哪方面的健康。
- 5. 安防監控**  
監控系統常用紅外光當作輔助照明，搭配光感 IC 來控制調整紅外光的啓用，達到省電節能的功效。

## 連絡資訊

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## Company Profile

Harvatek Corporation was founded in 1995 in Hsinchu, Taiwan. It became a publicly traded company on the Taiwanese Stock Exchange in 2003. Today, it is a leading manufacturer of semiconductor chips and LEDs with a wide spectrum of applications. The company designs, manufactures, tests, and exports these products to domestic and international OEM manufacturers, trade retailers, and design houses. With the highest quality products, unparalleled customer service, and perpetual emphasis on innovation, Harvatek has become one of the world's most preferred LED suppliers



## Products Description

- 1. Household Appliances (cleaning robots / hand-dryers)**  
Infrared emitters and receivers have multiple applications for smart home appliances. Through infrared sensing, household appliances can become smarter and make our lives simpler.
- 2. Gaming Accessories (Gaming Keyboards)**  
To enable gamers to press keys faster, gaming keyboards uses IR/PT optical switches. Optical switch keyboards have short actuation time and long lives, a recent trend for keyboards.
- 3. Mobile Devices (Mobile phones / tablets)**  
The functions and performance of mobile devices continue to improve. Infrared sensing products are widely used in applications such as proximity sensing and infrared/laser focusing of camera lenses to bring precision and efficient capabilities to mobile devices.
- 4. Wearable (smart watches / wristbands)**  
Busy working, people often neglect their health. Wearable health-control devices use light sources of different wavelengths with bio-sensing IC to monitor daily health status and alert people to pay attention or boost certain aspects of health.
- 5. Security Measures**  
The security systems often save energy through using infrared light as additional lighting. Light-sensing IC are used to control the usage of infrared light.



## Contact Window

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Harvatek Malaysia e-Mail : sonia@harvatek.com



# 佰鴻工業股份有限公司

BRIGHT LED ELECTRONICS CORP



# 佰鴻工業股份有限公司

BRIGHT LED ELECTRONICS CORP

## 公司簡介

佰鴻工業股份有限公司由董事長廖宗仁先生創立於 1981 年 7 月。在董事長前瞻性的決策及全體同仁的辛勤耕耘下，公司的營運規模逐年成長擴大，客戶群遍及全球各地，在台灣、中國大陸、韓國、東南亞及美洲、歐洲等地都擁有眾多的長期合作客戶，產品被廣泛應用於 3C 產業、工業運用，照明市場、車用市場，航太、醫療，通訊 等多個領域。佰鴻生產

基地最早建於台灣新北市工業區，有鑑於大陸廣大市場需求，1990 年在香港成立萬輝企業，作為統籌兩岸三地的轉運基地。同年轉投資中國大陸興建東莞高步廠，並且於 2011 年轉型升級為東莞佰鴻電子有限公司。該廠現有土地面積 45,000 坪、廠房面積 54,000 坪，員工數千餘人。

## 主要產品

元件類：發光二極管 LED、Lamp, SMD, Chip, Infrared 紅外線模組, PLCC, Multi-digit display, PCBA: Motor assembly, sensor assembly, LED light bar assembly, UV LED, ALS sensor、馬達、光感測器、LED 支架、PCB、藍寶石

照明類：LED 冷凍/冷藏櫃燈條, LED 燈管、LED 路燈、LED 景觀燈、LED 天井燈、LED 投光燈、LED 隧道燈、LED 燈泡、LED 筒燈、COB LED 模組、LED 植物燈、LED 車燈……

## Diversified Products 多元化產品



Diversified Products



## 產品特色

佰鴻運用集團內公司做上下游材料整合，量產最具經濟規模的照明產品，並取得相關 UL、CE、CNS 等認證，期望提供被消費者接受之高品質中低價位產品。

## 服務專線

- ◆ 電話：02-29591090
- ◆ 傳真：02-29547006
- ◆ Email：services@brtled.com
- ◆ 地址：22061 新北市板橋區和平路 19 號 3 樓

## Company profile

BRIGHT LED ELECTRONICS CORP., aka BRTLED, was established by Mr. Sandy Liaw in July, 1981. Under Mr. Liaw's prescient leadership and by all employees' effort, the company has grown steadily and continuously over the past few decades. Nowadays, we have built up long-term relationships with customers all over the world including Taiwan, China, Korea, Southeast Asia, America and Europe. We collaborate and maintain these long-term partnerships, in the meanwhile, continue to seek out more possibilities and opportunities for improvement and perfection. Our products are popularly adapted in various fields including 3C, industry-wide, communication, lighting market, automotive market, aerospace, medical industry

and so on.

BRTLED's first production base was in the industry park of New Taipei City, Taiwan. By taking China's market demands and incentives into account, BRTLED established Mainbright in Hong Kong in 1990 as the transfer point between China and Taiwan. In the same year, Mainbright also reinvested and set up a factory in Dongguan, China. In 2011, the Dongguan factory transformed to Dongguan Bright LED Electronics Corp. under BRTLED group. Dongguan site's area of land is around 150,000 square meters and its area of facilities is around 180,000 square meters. Current total number of employees including direct and indirect is over 1500.

## Main Product

**LED components:** LAMP, SMD, CHIP, PLCC, INFRARED, PHOTO COUPLER, MUTI-DIGIT, UV LED, LED DISPLAY, PCBA: MOTOR ASSEMBLY, SENSOR-ASSEMBLY, LED LIGHT-BAR ASSEMBLY, LED LIGHT-BAR FOR FREEZER, ALS SENSOR, LED lead frame, PCB, Sapphire……

**LED lighting:** LED indoor lighting、LED outdoor lighting、LED street Lamp, LED landscape light、LED high bay、LED food light、LED tunnel light、LED ground light、LED bulb、LED tube、LED down light、COB LED module、LED Plant grow light……

## Product Features

Bright LED group utilizes its internal resources among all subsidiaries to form our own upper, middle and lower stream of supply chains and so produces various types of LED products competitively with

relevant international certifications such as UL, CE, CNS, and etc. We expect to provide reliable LED products with high quality but at competitive prices to customers.

## Service Contact

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# Lites R us 和欣光通科技股份有限公司

LRU Technology Inc.

# Lites R us 和欣光通科技股份有限公司

LRU Technology Inc.

## 公司簡介

和欣光通科技股份有限公司於 2017 年成立，母公司為 1995 年設立之中山和欣智能照明科技有限公司，為台商獨資企業。主要產品種類為傳統燈具、LED 燈具、物聯網照明、照明管理系統及健康照明服務等。公司具有 30 多年的燈飾設計、生產和銷售經驗，並與世界諸多知名設計師和品牌合作。

公司以低壓直流技術為核心願景，繼而發展智能控制系統，導入健康光技術以及可見光定位技術，希望創造安全、健康以及舒適的環境，成為智慧健康光照護市場的領頭羊。

## 產品特色

### 1. 低壓 LED 照明系統：

效用：

- (1) 節能效果，相對傳統燈具耗能減少 85%、
- (2) 降低電線短路及火災機率、
- (3) 工作溫度低、
- (4) 高流明輸出，持久耐用



高 CAF 值  
抑制褪黑激素  
使人保持覺醒，  
適合需集中精神  
的工作環境



低 CAF 值  
增加褪黑激素  
使人情緒舒緩，  
適合需要放鬆休  
憩的環境

### 2. 生理光：

透過「同色異譜因人照明」專利調光技術有效影響人體晝夜節律因子 (CAF, Circadian Action Factor)，在照明色溫不變的情況下，于不同時段調控燈光波長，影響生理褪黑激素的分泌，使生活作息更符合自然節奏，讓工作更有效率，使睡眠更加安穩。

較市售燈具有更大的生理刺激值調整範圍，並獲得臺灣、美國、歐洲、日本、中國專利，專利取得時間領先國際知名照明大廠。

### 3. 智能控制系統：

- (1) ZigBee, Wi-Fi & Bluetooth 無線調控亮度與色溫
- (2) 參考日照變化設定節律照明
- (3) 依據不同環境設定情境照明

## 連絡資訊

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## Company Profile

LRU Technology Inc. was founded in 2017, a Taiwanese-owned subsidiary of Lites R Us Co., Ltd., which was established in 1995. The main products include conventional lamps, LED lamps, IoT lighting, lighting management system, health lighting service, etc. The company has more than 30 years of design, manufacture, and sales experience in the lighting industry. It also corporates with well-known designers and famous brands in the world.

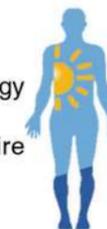
Low voltage LED lighting system is the essential technology and core vision of LRU Technology Inc. The company then develops smart control systems, introduces advanced technologies such as Human Centric Lighting and Visual Light Communication. LRU hopes to create a safe, healthy, and comfortable environment as it becomes a leader in the smart health-lighting market.

## Products Description

### 1. Low voltage LED lighting system:

Benefits:

- (1) Low energy consumption, close to 85% energy savings compared to incandescent lighting.
- (2) Lower rate of electrical short circuit and fire incidents.
- (3) Low operating temperature.
- (4) High lumen output with better durability.



High CAF  
Suppress melatonin.  
Keep people  
awake as it is  
suitable for working  
environments  
that require  
concentration.



Low CAF  
Increase melatonin.  
Soothing  
emotions as  
it is suitable  
for relaxing  
environments.

### 2. Human Centric Lighting:

The human centric light with patented metamerism technology is proved to be effective to the circadian action factor (CAF) of human. By adjusting the wavelength at the same light temperature, the human centric light affects the secretion of melatonin. The technology can be applied throughout the day and makes our life in line more with the human biological rhythm, increasing work efficiency and reinforcing sleep stability.

Comparing with existing lamps in the market, LRU products make adjustable CAF values with a broader range. LRU also obtained patents in Taiwan, the US, China, Europe, and Japan, leading other distinguished international manufacturers.

### 3. Smart control systems:

- (1) ZigBee, Wi-Fi & Bluetooth wireless technology with dimmer and color temperature control.
- (2) Circadian lighting design according to the changes in sunlight.
- (3) Ambient lighting design based on different environments.

## Contact Window

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- ◆ Address：R402, Buld.52, No.195, Sec.4, Zhongxing Rd, Zhudong Township, Hsinchu County, 310 Taiwan (R.O.C.)

# 欣偉科技 SINGWAY 欣偉科技股份有限公司

SINGWAY TECHNOLOGY

# 欣偉科技 SINGWAY 欣偉科技股份有限公司

SINGWAY TECHNOLOGY

## 公司簡介

欣偉科技創立於 2000 年，擁有台灣最高環保牌照甲級處理廠，致力於光電半導體設備清洗，電子事業廢棄物清除處理，金屬 (金、銀、鈀、白金) 回收、精煉、加工技術及將所回收的稀有貴金屬開發成工業用的原料；近年更跨足廢水客製處理及藥劑開發，並且也是全台唯一使用非氰化物藥劑設備清洗的貴金屬精煉廠。

欣偉積極創造出資源回收再利用產品新的生命，同時也為客戶的產品創造出新的價值與利潤，期許成為綠色科技產業未來發展的新指標。

## 產品、服務特色

PVD 設備清洗及貴金屬回收精煉，可將材料提純至 99.95% 以上，並且提供給 Materion 轉換成 99.999%(AU) slug 或 target，再回給廠商做材料使用，我司同時也是蘋果貴金屬材料認證供應鏈。除了貴金屬精煉，我們也提供疑難廢水客製專案處理及開發。

### 專業分析設備



01 火焰式原子吸收光譜儀-AAS    02 X射線螢光光譜儀-XRF  
03 感應耦合電漿原子發射光譜儀-ICP

### 欣偉垂直整合



所有服務流程一手包辦

## 服務專線

- 姓名: 李庭芳
- 連絡電話: 0955707071
- 電子郵件: alan@sing-way.com
- Line: @nni3514v



## Company profile

Founded in 2000, Singway Technology owns the highest environmental protection license level A processing plant in Taiwan. Committed to the cleaning of optoelectronic semiconductor equipment, E-business waste removal treatment, metal (gold, silver, palladium, platinum) recovery, refining, processing technology and the development of rare precious metals recovered into industrial raw materials;

In recent years, it has stepped into the custom treatment of wastewater and the development of pharmaceuticals, and it is also the only precious metal refinery in Taiwan that uses cyanide-free chemical stripping agent.

Singway actively creates new life for resource recycling and reuse products, and also creates new value and profit for customers' products. It is expected to become a new indicator for the future development of green technology industry.

## Product service features

PVD equipment cleaning and precious metal recycling and refining, the material can be purified to more than 99.95%, and supplied to Materion to be converted into 99.999% (AU) slug or target, and then returned to the manufacturer for material use. Our company is also the apple precious metal material certification supply chain. .

In addition to precious metal refining, we also provide handling and development of difficult wastewater custom projects.

### 專業分析設備



01 火焰式原子吸收光譜儀-AAS    02 X射線螢光光譜儀-XRF  
03 感應耦合電漿原子發射光譜儀-ICP

### 欣偉垂直整合



所有服務流程一手包辦

## Contact Information

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- Contact phone number: 0955707071
- Email: alan@sing-way.com
- Line: @nni3514v





# 香港商先進太平洋科技 股份有限公司台灣分公司

ASM PACIFIC TECHNOLOGY



# 香港商先進太平洋科技 股份有限公司台灣分公司

ASM PACIFIC TECHNOLOGY

## 集團簡介

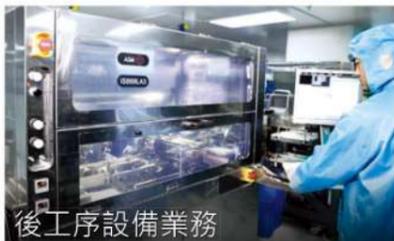
ASMPT 足跡遍布全球 30 多個國家，集團持續發揮自身在國際業務網絡與資源方面的優勢，推動其主要業務的增長 - 後工序設備、物料和 SMT 解決方案業務份部。

於 1975 年在香港成立，集團是全球首個為半導體封裝及電子產品生產的所有工藝步驟提供技術和解決方案的設備製造商，包括從半導體封裝材料到後段(芯片集成、焊接、封裝)到 SMT 工藝。全球並無其他設備供應商擁有類似的全面產品組合及對裝嵌及 SMT 程序的廣泛知識及經驗。

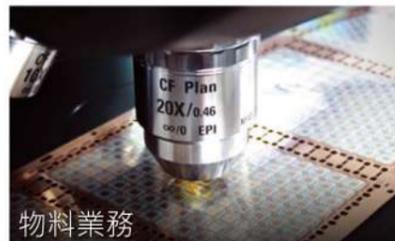
後工序設備業務生產及提供半導體裝嵌及封裝設備，應用於微電子、半導體、光電子及光電市場。其提供多元化產品如固晶系統、焊線系統、滴膠系統、切筋及成型系統及全方位生產線設備。物料業務生產及提供半導體封裝材料，由引線框架部和模塑互連基板部構成。SMT 解決方案業務負責為 SMT、半導體和太陽能市場開發和分銷一流的 DEK 印刷機，以及一流的 SIPLACE SMT 貼裝解決方案。

ASMPT 總部位於新加坡，自 1989 年起在香港聯交所上市。

## Business



後工序設備業務



物料業務



SMT 解決方案業務

## Contact

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- 新竹 新竹市東美路 91 巷 7 號 1 樓  
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- 高雄 高雄市南梓加工出口區東三街 4-2 號  
電話: +886 7 367 6300 | 傳真: +886 7 367 6399
- 台中 台中市潭子區中山路 2 段 135 號 8F 之 1  
電話: +886 4 2535 6390 | 傳真: +886 4 2535 6820



## Company Profile

With a global presence in over 30 countries, ASMPT leverages its strong network and infrastructure, resources and talents to grow its key businesses in Back-end Equipment, Materials and SMT Solutions.

ASMPT, founded in 1975, is the only company in the world that offers high-quality equipment for all major steps in the electronics manufacturing process - from carrier for chip interconnection to chip assembly and packaging to SMT. No other supplier offers a comparable range and depth of process expertise.

Our Back-End Equipment Business offers a diverse product range from bonding to molding and trim & form to the integration of these activities into complete in-line systems for the microelectronics, semiconductor, photonics, and optoelectronics industries. Our Materials Business provides customers with a variety of leadframes such as etched and stamping as well as advanced packaging materials. Our SMT Solutions develops and sells best-in-class DEK printers for the SMT, semiconductor and solar markets as well as best-in-class SIPLACE SMT placement solutions.

ASMPT is headquartered in Singapore and is listed in Hong Kong Stock Exchange since 1989.

## Business



Back-end Equipment Business



Material Business



SMT Solutions Business

## Contact

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- Taichung 8F-1, No. 135, Sec 2 Chung-Shan Road, Tantz District, Taichung City, Taiwan R.O.C.  
TEL: +886 4 2535 6390 | FAX: +886 4 2535 6820



# IQE 高平磊晶科技股份有限公司

IQE TAIWAN CORPORATION

# IQE 高平磊晶科技股份有限公司

IQE TAIWAN CORPORATION

## 公司簡介

高平磊晶科技股份有限公司（以下簡稱高平磊晶）成立於民國九十年二月七日，位於新竹科學園區，實收資本額為新台幣三億九千五百萬元。主要法人投資者 90% 為英國半導體高科技公司 IQE plc、其他來自國內外、通訊及光電等產業，包括美國 Skyworks Solutions, Conexant Systems，日本 Sumitomo Electric Device Innovations，及國內的宏捷科技及聯測科技等。

高平磊晶的主要產品是以砷化鎵 (GaAs) 微波通訊半導體及光電半導體磊晶片為主，包含 HBT, pHEMT, BiFET, BiHEMT。已安裝完成十台有機化學氣相沉積 (MOCVD) 機台、砷化鎵材料分析、HBT 元件測試儀器與無塵室等生產設施，生產六吋磷化鎵 (InGaP) 及砷化鋁鎵 (AlGaAs)HBT 磊晶片。

高平磊晶產品的主要應用是行動電話手機的功率放大器 (Power Amplifier, PA)，無線區域網路 (WiFi) 所用的功率放大器及高速光纖網路的通訊元件，是無線通訊行動裝置的關鍵零組件，IQE 集團的市場佔有率超過 50%，為全世界第一大供應商，產品研發技術及量產供貨能力都位居市場領導地位。

## 主要產品

砷化鎵 HBT, pHEMT, BiHEMT 半導體磊晶片

## 服務專線

- ◆ 張詔智 Jeffrey Chang
- ◆ 電話 :03-5798181 分機 :126
- ◆ 傳真 :03-5788865
- ◆ Email:jechang@iqep.com

## Company Introduction

IQE Taiwan Co., Ltd. was established on February 7, 1990 in the Hsinchu Science Park. The current paid-in capital is NT\$395 million and 90% of shares are owned by IQE plc, a global leading British compound semiconductor high-tech company. The other shareholders are from the industries of the communication and optoelectronics sectors, including Skyworks Solutions, Conexant Systems, Sumitomo Electric Device Innovations, Advanced Wireless Semiconductor Co. and UTAC Taiwan.

The company products are mainly Gallium Arsenide (GaAs) epitaxy wafers for the applications of microwave communication and optoelectronic semiconductors, including HBT, pHEMT, BiFET, BiHEMT. IQE Taiwan currently have the wafer capacity of more than ten organic chemical vapor deposition (MOCVD) systems with III-V material analysis tools, HBT device test equipment and high level clean room facilities. The production activities focus on six-inch Indium Gallium Phosphide (InGaP) and Aluminum Gallium Arsenide (AlGaAs) HBT epitaxial wafer.

The main applications of company produced wafers are Power Amplifier (PA) for mobile phone handsets, power amplifiers for wireless local area networks (WiFi) and communication components for high-speed fiber-optic networks. Those are key components of wireless communication mobile devices. IQE Group is the largest supplier with a worldwide market share of more than 50%, and is in the leading position of new technology development.

## Main Product

GaAs HBT, pHEMT, BiHEMT epitaxy wafers

## Contact Information

- ◆ Jeffrey Chang
- ◆ TEL: 03-5798181 EXT 126
- ◆ FAX: 03-5788865
- ◆ Email:jechang@iqep.com



# 惠特科技股份有限公司

FITTECH CO., LTD.



# 惠特科技股份有限公司

FITTECH CO., LTD.

## 公司簡介

惠特科技成立於 2004 年，為專業光電 / 半導體 / 雷射自動化設備研發與系統整合設備商。以 FitTech 自有品牌行銷全球，為目前全球 LED 測試與分選設備的最大供應商暨領導品牌，更以光電專業投入雷射二極體 (LD) 測試設備、雷射微細加工設備及自動化等設備整合研發。惠特科技擁有完整的研發團隊，具備領先業界的研發能力，可高度滿足客戶求。惠特堅持持續的創新，以優秀的整合能力與核心技術，提供客戶具競爭力的解決方案。

## 主要產品



### LED 測試及分選設備

提供完整LED後段測試製程相關設備，包含全自動 LED / Flip chip 晶圓、晶粒測試及分選機、計數機、上下模機等設備。



### LD 測試及分選設備

包含VCSEL/PD/DFB/FP/EML等相關雷射二極體測試設備。可提供近遠場測試、高低溫測試、人眼安全測試、發散角測試等項目測試。



### 雷射加工系統

惠特成立雷射技術研發中心，致力發展應用於半導體、PCB等產業的雷射精密加工設備，提供如切割、鑽孔、劃線、刻印、清潔等應用。



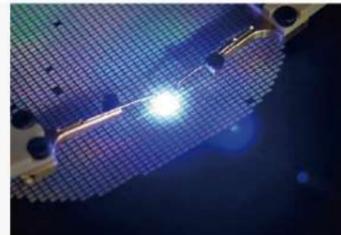
### LED/LD 測試分選代工服務

惠特以自有研發生產之設備，建立代工廠，提供客戶LED/LD 測試及分選之代工服務。



### 自動化解決方案

因應工業4.0趨勢，惠特投入智慧製造，開發自動化點測及分選系統、整合MES系統，提供業界唯一LED後段點測與分選製程整合解決方案。



## 聯絡資訊

- ◆ 電話：886-4-2350-2319
- ◆ 傳真：886-4-2350-4502
- ◆ 地址：台中市工業區工業 35 路 3 號



## Company profile

Established in 2004, FitTech Co., Ltd. is a professional corporation of developing automatic equipment and system integration for the optoelectronic, semiconductor industry and laser processing field. FitTech marketed globally with our own brand "FitTech". We expand steadily in the optoelectronic field, and become the biggest supplier and leading brand of LED testing and sorting system. FitTech also committed to develop testing and sorting systems of laser diode and laser micromachining system. To fit customers' requirements, we have a superior R&D team with high integration capabilities, and with our after-sales team, we provide all-round solutions for customers.

## Main Product



### LED testing and sorting system

FitTech provides total testing solutions for LED/ Flip chip LED wafer or chip. Including auto probing and testing systems, sorting system, chip counter, detaching tape system, etc..



### LD testing and sorting system

FitTech provides testing solutions for VCSEL/PD/DFB/FP/EML. Including near/far field pattern test, high/low temp. test, eye safety measurement, divergence angle measurement, etc. test items.



### Laser micromachining system

FitTech ventured into the research and development of laser micromachining systems for semiconductor and PCB industry, such as drilling, cutting, marking, scribing, cleaning machine, etc.



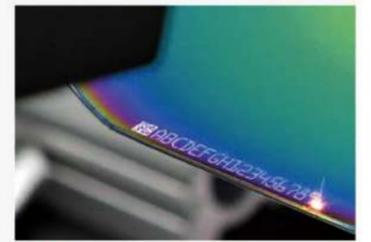
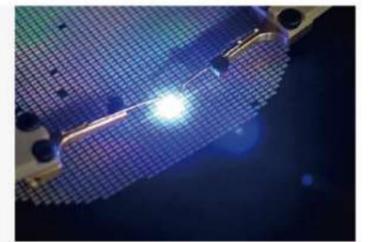
### LED/LD testing and sorting service

FitTech builds OEM foundries, and provides customers LED/LD testing and sorting service by our own developed machines.



### Automation solutions

FitTech invests in intelligent manufacturing, develops MES system, automation and smart factory solutions of LED testing and sorting.



## Contact Information

- ◆ TEL : 886-4-2350-2319
- ◆ FAX : 886-4-2350-4502
- ◆ Address : No.3, Gongyequ 35th Rd., Xitun Dist., Taichung City 407, Taiwan



# EPISTAR 晶元光電股份有限公司

EPISTAR CORPORATION

# EPISTAR 晶元光電股份有限公司

EPISTAR CORPORATION

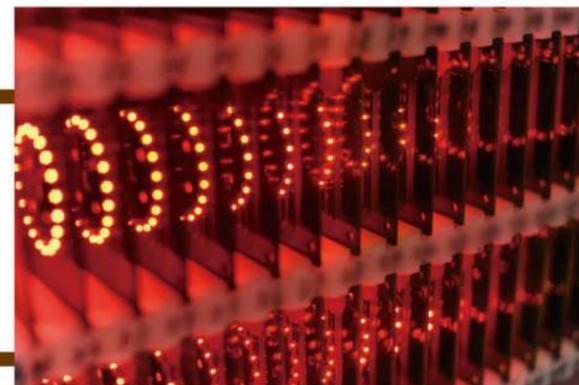
## 公司簡介

1996年，多位富有遠見的人才共同創立了EPISTAR，並昭告LED時代的來臨，數十年後的今日，固態照明不僅已進入大眾市場，更擁有無窮的潛力和希望。EPISTAR不斷創新、突破與深入的洞察，成為磊晶的創新設計生產者，並以日積月累的专业知識和全方位的能力穩坐世界LED供應商的龍頭寶座，同時與聲譽卓著的世界品牌，協力推廣手機螢幕、筆電和電視等領域的LED應用技術，努力創造日常固態照明的優勢。

EPISTAR秉持以一貫的初衷，展現智慧營造良好的「客戶-供應商」關係。EPISTAR始終相信，在互助共生、緊密交織的LED產業中，唯有與客戶密切合作，方能創造出雙贏加乘的佳績。基於此

EPISTAR設計出獨有的「Co-activation Service」服務模式，與客戶協同設計開發提升產品性能，解決工程端與應用問題，並追求完美的品質控管水準。透過「Co-activation Service」緊密的合作關係，精確評估下游企業和消費者的多元需求，協助所有EPISTAR客戶服務其客戶時，也獲得最佳的客戶滿意度。

EPISTAR位於推動LED科技應用商業化，引領全球邁向固態照明時代的關鍵地位。展望當下，LED時代已經拉開序幕，EPISTAR也正以前所未有的方式茁壯成長，迎接各項挑戰，努力實現LED應用無限可能，將更好的光源帶入日常生活中。



## 主要產品

- 四元（紅黃光）LED 磊晶片及晶粒
- 紫外線 / 遠紅外線 LED 晶粒
- 氮化物（藍綠光）LED 磊晶片及晶粒
- HCPV 太陽能晶片

## 產品特色

- ITO 應用全球第一：首創 ITO 應用在 LED 晶粒製程（四元、氮化物、三五族太陽能電池）
- Bonding 技術全球第一：全球最完整的 Bonding 相關專利
- 四元產品產能全球第一：全球主要四元晶粒製造廠中，擁有最完整且齊全的產品線
- 高電壓 LED、倒裝晶片...等先進產品製造技術完整，具有全球領先地位

## 服務專線

- ◆ 電話：03-5678-000
- ◆ 傳真：03-5783-080
- ◆ Email：sales@EPISTAR.com
- ◆ 地址：300 新竹市力行路 21 號

## We Actualize LED Potential

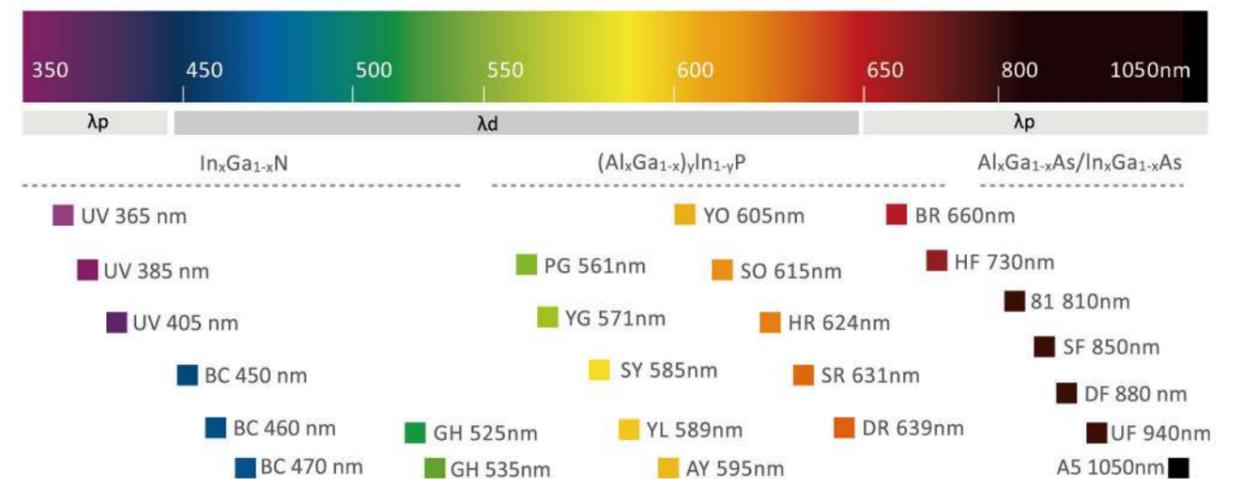
In 1996, a handful of visionaries founded EPISTAR to usher in the LED era. With accumulated expertise and expansive capacity, today EPISTAR sits firmly as the premier global supplier. EPISTAR has already worked with some of the most well-known brands around the world, popularizing LED applications on smart phones, laptops, television, and much more. Thus EPISTAR is able to inject the benefits of solid state lighting into everyday life.

The singular vision that has powered EPISTAR from the beginning also contains insights into client-supplier relationship. EPISTAR has always believed

that working closely with clients is critical to producing the highest quality end-products. That is why EPISTAR has developed a unique “Co-activation Service Model”, working alongside clients as their partner, co-designing chips and production processes, while perfecting quality control.

EPISTAR's pivotal role in LED's full commercialization has guided the world into the solid state lighting era. Today that era is fast approaching full-bloom, and EPISTAR is more equipped than ever to take on increasingly challenging feats, to help illuminate the world in a better light.

## Full Spectrum LED Product Portfolio



## Contact Information

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# LEDtech 華興電子工業股份有限公司

LEDTECH ELECTRONICS CORP.

### 企業宗旨與經營理念

華興電子工業股份有限公司創立於西元 1977 年，以立足台灣、放眼世界的宏觀理念，貫徹全球化的運籌佈局，致力於專業分工以及資源整合，強化我們的核心技術與優勢能力，最重要的是發揮團隊合作精神，以追求華興公司永續經營與回饋社會的使命。四十多個年頭以來，華興秉持著「誠信」、「負責」、「精益求精」的座右銘，專業生產發光二極體指示燈與顯示器，四十多年來不斷的培育人才，研發新產品，更新自動化生產設備，以滿足客戶的需求。

### 有關子公司華能光電

華能光電成立於西元 2007 年，為華興集團旗下的子公司，擁有業界數十年經驗之經營團隊和先進研發技術團隊組成的專業 LED 照明公司。我們擁有豐富的 LED 封裝及 LED 模組設計與組裝技術作後盾，故更了解如何運用 LED 的光特性去製造出符合客戶需求的產品，更致力開發節能環保，更高光效率及高品質的光源與應用。

### 核心力量與競爭優勢

我們專業堅強的經營團隊成員們共累積超過 230 年以上的 LED 產業經驗，長期合作之銷售通路據點分佈全球超過 70 個國家，擁有穩定的供應鏈與策略合作夥伴，專精於 LED、電子、光學、導熱、材料、效率、結構技術之整合，具創新研發能力，提供高品質、高信賴的產品達到符合市場客戶的需求。

### 主要產品介紹

#### (一) LED 封裝



- LED Lamp
- SMD LED
- Based LED
- Flexible Light Strip
- LED Display
- LED Backlight
- Rigid Light Strip
- High Power LED

#### (二) LED 照明模組



利用 COB 照明模組 3W~200W，製成球泡燈、嵌燈、泛光燈、天井燈、路燈等各式產品。

### (三) LED 照明應用產品

類別	燈管類	燈具類	射燈類	球泡類
產品	T5	嵌燈	MR11	E26
	T8	泛光燈	MR16	
	T9	天井燈	GU10	
	T12	格柵燈	PAR30	
	(一般/低溫)	中東燈	PAR38	
		山型燈	AR11	E27
		工事		

### 產品特色與優勢

LED 與傳統產品相較之下無紫外光問題、使用壽命長、發光效率佳，符合環保需求，可確實達到節能省碳之效益。我司產品皆經過長時間信賴度測試與壽命試驗，不僅低光衰，演色性更可高達 97%，燈具設計具有有效散熱。此外，最新產品使用 COB 技術之熱電分離設計，能有效降低熱阻，提升元件壽命，減少維修，在產品亮度、色溫 BIN 區集中上更是品質的保證，能取代單點 LED 光源，光形更易設計，解決照明產品重影，降低組裝成本問題。我們透過定制化的服務，讓產品更能夠契合消費者的需求。

### 認證與專利

目前華興已通過 ISO14001、ROHS Compliance 環境系統認證，QS-9000、ISO-9002、ISO-9001(2000)、TS-16949 品質認證、UL 安規認證與 CE 認證，為台灣少數獲得 CNS 認證與節能標準的廠商之一，並在 2010 年得到國家級高新技術企業之榮譽，截至 2012 年 4 月已於全球取得共 224 個專利。

### 成功案例

華興集團深耕市場，為低溫照明的領導者，佈局橫跨全球各大洲前三大冷凍、冷藏、冰櫃、冷飲自動販賣機之製造商。至今年 4 月於全球銷售超過 25,000,000 支 LED 燈管/燈條，在低溫照明、商業空間、交通運輸、特殊照明、一般空間照明等不同領域上皆有許多成功案例，如下：

- 低溫照明：冷凍倉儲、蛋糕展櫃、超市、便利商店。
- 商業照明：百貨專櫃、化妝品展櫃、超市、量販店、工廠、便利商店、餐廳、地下街商品店。
- 交通運輸：公車、列車、地鐵。
- 特殊照明：大樓外觀裝飾、有機農場、博物館、藝廊、美術館。
- 一般照明：超市、銀行、學校、辦公室、會議廳、體育館、地下停車場。

### 展望未來

隨著消費者對於節能環保、永續地球的意識提升，並配合各國政府政策的提倡與法規的訂立，未來全球將走向 LED 照明的新世紀。華興集團秉持初衷，掌握元件封裝應用技術與成本優勢，專注研發 LED 產品應用，並結合市場需求，盼提供更高品質、高效能、低成本的產品，為客戶創造更大的效益。選擇華興產品，將是你最明智的選擇！

### 華興子公司 華能光電 成功案例分享



低溫照明  
案例：台灣全家便利商店



商業空間照明  
案例：日本地下街商品店



交通運輸照明  
案例：義大利巴士



特殊照明  
案例：臺灣國立故宮博物院



一般空間照明  
案例：日本超市



# 華能光電科技股份有限公司

ENERGYLED CORPORATION

## Company profile

Established in 2007, Energyled Corporation, a subsidiary of a Taiwan public-listed company LEDTECH, with 44 years of LED packaging experience from LEDTECH, has dedicated in being a total LED lighting provider by supplying the LED lighting finished products based on the self-supplied LED lighting components.

### We specialize in



Flood Light



Gen IV High Bay Light



High Wattage Spot Light



Low Temperature Lighting

and many more...

We look forward with much interest to exploring LED lighting market with you.

## Contact Information

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- ◆ TEL: 886 2 2218-6891 Ext. 1742
- ◆ E-mail: tino\_wen@energyled.com.tw



# 鼎元光電科技股份有限公司

TYNTEK CORPORATION



# 鼎元光電科技股份有限公司

TYNTEK CORPORATION

## 公司簡介

鼎元光電科技股份有限公司為 LED、Silicon Device 及光通訊元件專業製造商，秉持品質、創新、服務、環保的經營理念，並提供最優質的服務，客戶遍及中國、日本、韓國、歐洲和美國。

## 主要產品

### 化合物半導體元件

#### 1.Visible LED Chip

GaP /GaP	Red,Green
GaAsP/GaP	Yellow ,Orange Red
AlGaAs/GaAs	SH,DH,DDH high brightness Red
AlGaInP/GaAs	As Type Yellow,Green,Orange, Red
AlGaInP/Si	Wafer Bond Red,Yellow

#### 2.Infrared LED Chip

GaAs/GaAs	940nm Infrared LED
AlGaAs/GaAs	940nm Infrared LED
AlGaAs/AlGaAs	700 ~ 900nm Infrared LED
AlGaAs/Si	Wafer Bond 730 ~ 940nm Infrared LED

#### 3.Opto Fiber Communication Device Chip

InGaAs/InP	1300nm LED and Photo diode
AlGaAs/GaAs	850nm Photo diode and VCSEL

#### 4.OEM and ODM service in compound semiconductor devices.

### 矽半導體元件

#### 1.Photo-Transistor Chip

Photo-coupler
Photo-interrupter
Photo-Switch
Ambient Sensor

#### 2.Photo-Diode Chip

Standard Type for Remote controller
Data Communication
Smoke Sensor
Optical Encoder
Ambient Sensor

#### 3.Zener-Diode /TVS Chip

ESD Protection
Surge Protection
Voltage Regulation

#### 4.OEM and ODM service in Bi-polar silicon devices.

## 連絡資訊

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- ◆ FAX : +886-37-582908
- ◆ E-Mail : service@serv.tyntek.com.tw

## About Us

Tyntek is the LED, Silicon Device, and Opto Fiber Communication Device professional manufacturer. Based on our quality, innovation, service and environmental protection management belief, we provide the superior service. Also, Tyntek's customers are all over the global including China, Japan, Korea, Europe, and U.S.A.

## Products & Service

### Compound Semiconductor Devices

#### 1.Visible LED Chip

GaP /GaP	Red,Green
GaAsP/GaP	Yellow ,Orange Red
AlGaAs/GaAs	SH,DH,DDH high brightness Red
AlGaInP/GaAs	As Type Yellow,Green,Orange, Red
AlGaInP/Si	Wafer Bond Red,Yellow

#### 2.Infrared LED Chip

GaAs/GaAs	940nm Infrared LED
AlGaAs/GaAs	940nm Infrared LED
AlGaAs/AlGaAs	700 ~ 900nm Infrared LED
AlGaAs/Si	Wafer Bond 730 ~ 940nm Infrared LED

#### 3.Opto Fiber Communication Device Chip

InGaAs/InP	1300nm LED and Photo diode
AlGaAs/GaAs	850nm Photo diode and VCSEL

#### 4.OEM and ODM service in compound semiconductor devices.

### Silicon Semiconductor Devices

#### 1.Photo-Transistor Chip

Photo-coupler
Photo-interrupter
Photo-Switch
Ambient Sensor

#### 2.Photo-Diode Chip

Standard Type for Remote controller
Data Communication
Smoke Sensor
Optical Encoder
Ambient Sensor

#### 3.Zener-Diode /TVS Chip

ESD Protection
Surge Protection
Voltage Regulation

#### 4.OEM and ODM service in Bi-polar silicon devices.

## Contact Information

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# EVERLIGHT 億光電子工業股份有限公司

EVERLIGHT ELECTRONICS CO.,LTD.

## EVERLIGHT

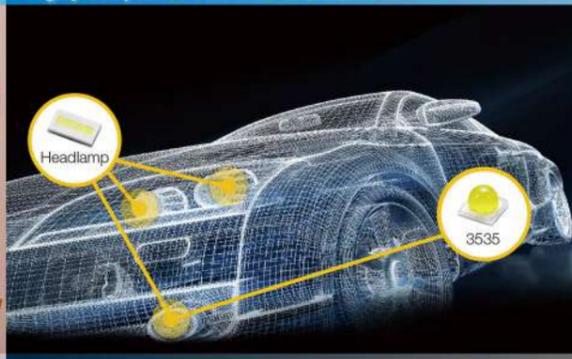
### 2021 One Source for Every Needs

億光為世界級光電產業領導者，以超過三十八年以上於LED產業的深厚實力，整合專業研發、業務及市場團隊，以客戶需求為導向，就其各種不同的應用提供完整全方位的解決方案，包括High Power LEDs, SMD LEDs, Lamps, Lighting Components, LED Lighting Modules, Digital Displays, Opto-couplers and Infrared Components等。客戶可以依照本身應用產品的需求，在億光選擇到最適合的封裝產品，億光將繼續開發更多元應用的LED產品，提供客戶各種無可挑剔的產品方案，共創雙贏的未來！



Light, Small and Thin

Highly Competitive Cost and Performance



3.3V and 5V CMOS compatibility / High CMR > 10,000 V/us

EVERLIGHT Automotive LED Lights offer Safe Driving

[www.everlight.com](http://www.everlight.com)

# EVERLIGHT 億光電子工業股份有限公司

EVERLIGHT ELECTRONICS CO.,LTD.

## EVERLIGHT

### 2021 One Source for Every Needs

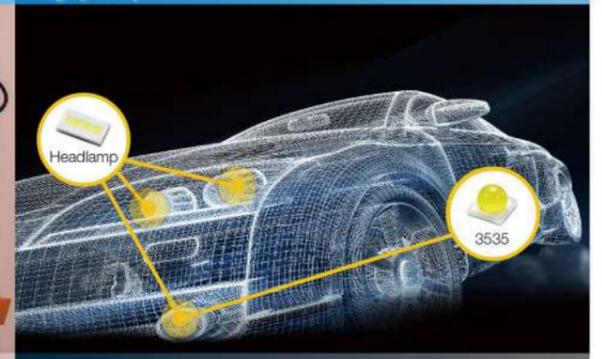
With diversified comprehensive portfolios,EVERLIGHT is able to offer a total solutions in order to fulfil all demands at one stop purchasing experience. In the meantime, all EVERLIGHT products are RoHS Compliant, contributing to a sustainable and environmental-friendly lifestyle around the world.

[www.everlight.com](http://www.everlight.com)



Light, Small and Thin

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3.3V and 5V CMOS compatibility / High CMR > 10,000 V/us

EVERLIGHT Automotive LED Lights offer Safe Driving

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PLAYNITRIDE

# 鏢創科技股份有限公司

PLAYNITRIDE INC.

PLAYNITRIDE

# 鏢創科技股份有限公司

PLAYNITRIDE INC.

## 公司簡介

PlayNitride Inc. 成立於 2014 年，集結一群目標「改變世界」的夥伴，要為氮化物產業帶來新思維，透過創新的研發技術和多元的商業模式，現已成為 MicroLED 技術領域的領導廠商之一。

其中獲得 2018 SID 「I-Zone Best Prototype Honoree」 肯定的 PixeLED® Display 顯示技術，展現了 PlayNitride Inc. 在 MicroLED 元件製作與巨量轉移的卓越能力。而於 2019 與 2020 的 CES 上展出的 MicroLED 模組電視，更是與顯示業界大廠的策略結盟成果，讓世界看到 PlayNitride Inc. 在 MicroLED 顯示技術的強勁競爭力。2019 年 5 月，鏢創也獲得 2019 SID 「People's Choice Award」 最佳展位獎，由現場專業觀眾與評審的認可和青睞透過投票，在數百家參展企業中脫穎而出，PlayNitride Inc. 於小型攤位項目獲得最佳展位獎。

目前，PlayNitride Inc. 是多家全球頂尖企業的合作夥伴，其中包括台 / 韓 / 日顯示器大廠與知名品牌系統商。展望未來，從晶片至系統，並擴及至新型態的顯示應用科技如 AR/VR、穿戴式裝置 / 手機或車載應用等，PlayNitride Inc. 將扮演好 MicroLED Display Ecosystem 的上下游整合角色，持續專注開發關鍵技術，提供 MicroLED 顯示器的不同產品或解決方案，與合作夥伴一同向未來宣示 MicroLED 顯示器量產化的可能性與可行性。



2019 SID Best Small Booth Award



7.56" Transparent Display

## 連絡資訊

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PLAYNITRIDE

## About Us

PlayNitride Inc. was formally established in 2014. A group of companions with the goal "Change the World" were assembled to introduce new thinking to influence the nitride industry. Through the breakthrough innovations and diverse business models, PlayNitride Inc. has become a leading company in the field of MicroLED technology.

PlayNitride Inc. were awarded of "Best Prototype Honoree" of I-Zone and "People's Choice Award - Best Small Booth" in 2018 and 2019 SID Display Week. Our exhibition was the high-profile booth and also showed the outstanding ability to build a transparent display by using PixeLED® display technology, which is innovative and unique process to transfer RGB MicroLEDs onto a backplane. Furthermore, the MicroLED module TV exhibited at the CES 2019 and 2020, which was the result of alliance with the industry leaders in MicroLED display technology.

At present, PlayNitride Inc. is a reliable partner of many global top companies, including Taiwan/Korean/Japanese display manufacturers and well-known brand system vendors. Looking toward the future, PlayNitride Inc. will dedicate ourselves to integrating MicroLED Display Ecosystem from wafer to system, and further to new emerging applications such as AR / VR, wearable devices, mobile phones, and automotive applications with extensive experience in the MicroLED display. PlayNitride Inc. will continue to focus on developing key technologies and providing different solutions for MicroLED displays to show the world the possibility of MicroLED displays.



2019 SID Best Small Booth Award



7.56" Transparent Display

## Contact Information

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- ◆ Contact: [inquiry@playnitride.com](mailto:inquiry@playnitride.com)

PLAYNITRIDE



# AMA Association for Sensors and Measurement

AMA Association for Sensors and Measurement



# AMA Association for Sensors and Measurement

AMA Association for Sensors and Measurement

## Company Profile

AMA is the first contact for sensor and measuring technology and provides a comprehensive overview of sensors, measuring, and testing technology in its detailed industry directory. The Association cultivates an innovation dialog at the leading trade fair SENSOR+TEST, at community stands of major fairs worldwide, and at the Sensor and Measurement Science International (SMSI). AMA also offers technology seminars and theme days focusing on topics in the area of sensor and measuring technology.

## Services

The AMA Association is an industry association and thus allocates the broad spectrum of sensor and measuring fields to specialized committees and study groups. Technical developments, trends in the sensor and measuring industry, questions on standardization, or the support of marketing activities: the AMA always links up and networks its members.

AMA have 450 members in the following area :

- I. Sensors
  - S.01 Sensors and sensing elements by measured parameter
  - S.02 Sensors and sensing elements by measurement principle
  - S.03 Sensor components and accessories
  - S.04 Equipment for the production of sensors and actuators
- II. Measurement Technology
  - M.01 Telemetry system and components
  - M.02 Modeling and simulation, HiL
  - M.03 Measuring equipment
  - M.04 Measuring equipment with integrated sensor
  - M.05 Measurement modules, measurement data acquisition systems
  - M.06 Software
  - M.07 Measurement components and accessories
  - M.08 Image processing
  - M.09 Testing equipment

- III. Services
  - D.01 Research and Development, R&D, and knowledge transfer
  - D.02 Contract manufacture, production
  - D.03 Calibration and Testing
  - D.04 General contracting services



**AMA Innovation Award**  
 AMA Innovation Award for outstanding research and development work.



**Trade Fairs**  
 Besides the SENSOR+TEST, AMA offers participation at the AMA Centers at other fairs in Germany and abroad.



**Seminars**  
 Seminars for vocational qualification in high-technology areas.



**AMA Conferences**  
 International networking platforms for sensor and measuring technology

## Contact Information

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- ◆ Website: <https://www.ama-sensorik.de/en/>

# 會員 Member

Taiwan Optoelectronic Semiconductor Industry Association

