



# REFOND MINILED

Make display beyond your imagination

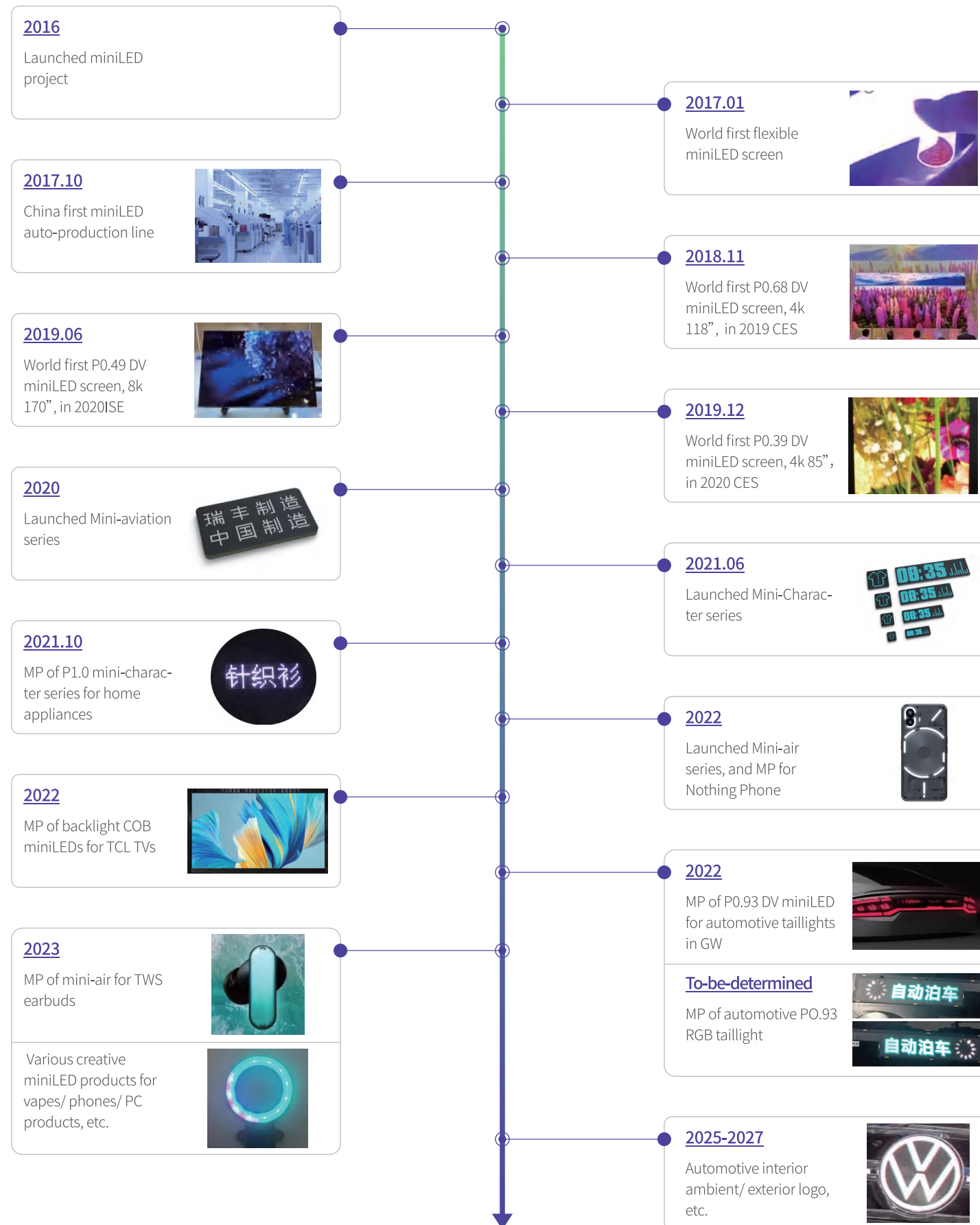
# MINILED



www.refond.com

Refond Optoelectronics

## REFOND MINILED MILESTONES



## REFOND MINILED PORTFOLIO

### Direct View

**Display Module Unit**

**P0.49:** RGB-78.4\*88.2mm /160\*180px  
**P0.68:** RGB-81.6\*91.8mm/120\*135px  
**P0.93:** RGB-80\*92mm/80\*100px  
**P1.25:** RGB-150\*168.75mm/ 120\*135px  
**P1.5:** RGB-47\*200mm/128\*30px  
**P1.5:** R-80\*1000mm/50\*660px Flexible

**Smart surface**    **Taillights**

**LOGO lights**    **Rollable sunroof**

**Large Screen Series**

**Super Thin Mini Strip**  
Thickness<0.5mm

**Smart mini Flex Strip**  
L≤1000mm, Width>0.5mm

**RGB Version**

**White Version**

**Mini-air series**

**Dot matrix series**

R/G/B/W/RGB available  
Pitch:0.2~1.5mm

### Backlight 0 OD solution

- 3D reflective structure
- Light diffuser
- LED chip
- Silicone resin
- Highly reflective layer
- PCB
- IC & SMD components

2.12", 2.5" for VR  
 3", 3.5" for DVC/ DSC  
 7.02", 10.95" for handheld gaming and drones  
 16", 17.3" for laptop  
 27", 34" for MNT  
 55~110" for TV  
 12.3" for automotive display



創新科技. 豐富人類生活!  
Innovation enriches life

深圳市瑞豐光電子股份有限公司  
SHENZHEN REFOND OPTOELECTRONICS CO.,LTD.

Stock code: 300241

Refond Optoelectronics Building, Ronghui Road, Guangming District, Shenzhen, Guangdong, China

TEL:+86-0755-29675000

FAX:+86-755-6683-9322 sales@refond.com

## LABORATORY

377 R&D employees, 22.5 of the total employees  
14 masters and doctors

Refond Laboratory Center obtained CNAS accreditation in 2015 and consists of laboratories in Shenzhen, Yiwu, and Gedian (under construction). With comprehensive laboratory capabilities, it is committed to building a first-class LED research and development center. It has been successively approved as a national-level laboratory, the Shenzhen LED TV backlight engineering technology research and development center, and the Guangdong LED TV backlight engineering technology research and development center, and has been awarded the CNAS certificate.

Adhering to the philosophy of valuing talent, research, and innovation, Refond has submitted a total of 576 patent applications over the years, successfully registering a large number of patents, with a total of 433 authorized patents, including 172 invention patents.

The Refond Laboratory Center adopts the latest theories and experimental technologies in various disciplines to continuously innovate and conduct in-depth research in three major areas: product software and hardware development, advanced process development, and material development. It has also established special teams for the joint development and design of advanced equipment, reducing product failure rates throughout the entire process from product design, process design to reference guidance, and testing feedback, providing better system optical design solutions.



## QUALITY ASSURANCE

SYSTEM  
CERTIFICATION



IATF 16949  
ISO 9001  
IECQ QC 080000  
ISO 14001  
ISO 17025  
ISO 45001  
IEC 27001  
ESD (ANSI S20.20)



Quality System



Through international benchmarking of major enterprises and third-party SGS social responsibility audits, meet the requirements of the EICC Electronic Industry Code of Conduct.

Third-party testing meets international standards requirements ROHS, REACH, HFIEC/EN 62471LM80, and others.

## MANUFACTURING CAPABILITIES



Shenzhen Headquarters



Shenzhen Production Base

**Area:** 34,000 square meters  
**Employees:** 300+  
**Production:** Automotive LEDs/Large and Small Backlight/MiniLED



Zhejiang Production Base

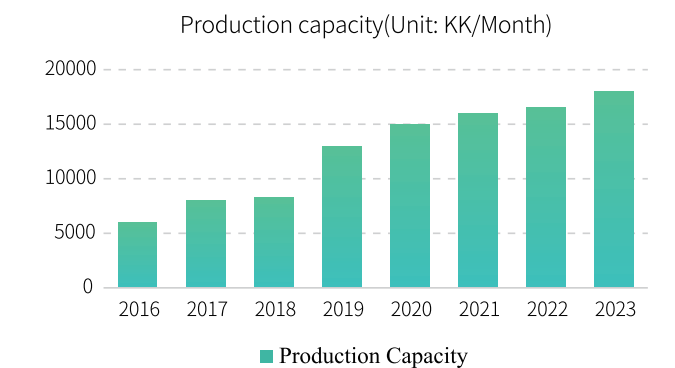
**Area:** 160,000 square meters  
**Employees:** 1300+  
**Production:** Lighting/Electrical/RGB/Optocoupler/Specialty LEDs



Hubei Production Base

**Area:** 100,000 square meters  
**Employees:** 500+  
**Production:** Automotive LEDs/MiniLED/Backlight/Touch Display/Electronic Paper Modules

Refond operates three production bases in Shenzhen, Guangdong; Gedian, Hubei; and Yiwu, Zhejiang, with an area of approximately 294,000 square meters. The company boasts mature manufacturing processes and comprehensive automated production lines, with over 6000 advanced pieces of equipment, including cutting-edge automated quality inspection devices. With an annual production yield rate exceeding 99%, the high level of automation and information-driven hardware and software systems ensure Refond's strong manufacturing capabilities and product quality.



## ABOUT REFOND

Corporate Mission: Innovation enriches life.

Corporate Vision: Become the world's leading technology company

Refond Optoelectronics Co., Ltd. (Stock Code: 300241), established in 2000, is a globally renowned innovative technology company engaged in the research, development, production, and sales of LEDs, modules, and application solutions.

Technological innovation, leading-edge technology, and product differentiation are the core competencies that ensure Refond's success. The company has steadily expanded and promoted development in professional fields such as lighting, display, automotive, electronics, and touch display, establishing strategic partnerships with top global brands. Refond focuses on research and business development in emerging fields such as automotive lighting and displays, Mini LEDs, AI sensor devices, and touch display electronic paper to enhance its core competitiveness and sustainable profitability.

As a pioneer in Mini LED innovation, Refond Optoelectronics established China's first Mini LED production line in 2016. For the latest Mini LED applications, Refond offers limitless possibilities in optoelectronic display solutions. We provide two innovative product options: Mini Direct Display and Mini Backlight, both of which have been successfully applied in automotive, 3C consumer electronics, TVs, and home appliances. With a highly experienced R&D team and extensive mass production expertise, Refond delivers high-quality products and services.