



Welcome !

- Panel PC /
- Open frame Monitor /
- LCD Module /
- Custom Color LCD /
- Optical Bonding Service /
- EMS / SMT/ DIP

Manufacturer/ Design



晶發科技股份有限公司



Gi Far Milestone



- 1998 ● Established in New Taipei City, Taiwan
- 2000 ● ISO Certification passed, Launch
R&D interface: USB, RS232, Wi Fi System module
- 2002 ● R&D interface: USB, RS232
- 2004 ● Gi Far invested in TFT technology and start TFT LCD business
- 2005 ● Start to develop LCM solution:
USB/RS232/RS485/Wireless system
- 2007 ● R&D TFT LCD Control, interface: MCU/RS232/USB
- 2009 ● LCD Module release: FSC
Produce Monochrome LCD Module
- 2010 ● Purchase owned new factory, land: 3,300m² in Taiwan
The total capital increase to US\$4KK
- 2012 ● Launch process for interface: TFT RS232/SPI/I2C,etc...
- 2013 ● Expand production lines, Construct new factory
- 2016 ● Move to the New factory
- 2018 ● SMT / DIP lines finished
- 2020 ● OCA Optical Bonding Service (Equipment moved in since Nov. 29, 2020)
- 2022 ● Awarded the certification of AS9100:D/JISQ9100:2016/EN9100:2018 Aerospace QMS standard by AFNOR on March 16.
- 2022 ● Awarded the certification of IATF 16949: 2016 Automotive QMS standard by AFNOR on April 6.
- 2023.6 ● Awarded the certification of ISO/IEC 27001:2013(CNS 27001:2014) Information Security System by AFNOR on June 15.
- 2023.7 ● GI FAR has awarded qualified vendor certificate by F-16 maintenance center of Taiwan Air Force Command Headquarter, MND
- 2025 ● Estimated a new SMT line is expected at the end of 2025

Gi Far Tchnology Co., Ltd.

EMS · LCD Module · SMT · DIP Manufacturer/Design in Taiwan

Basic Information



Company Name	GI FAR Technology co., Ltd.
Establish	Since 1998
Capital	USD 1,130,000
Employees	About 50 persons

Business Unit (BU):	
- (1) PANEL PC	PANEL PC
- (2) Open Frame Monitor	Open Frame Monitor
- (3) LCM	LCM Design/Manufacturing (COB, COG, TAB, TFT...etc.)
- (4) Optical Bonding Service	OCA Optical Bonding Service
- (5) EMS service	EMS Design/Manufacturing including SMT, DIP Process



(1) PANEL PC BU

- 15.4"/ 28.6" (1920X540) PANEL PC



PANEL PC

15.4" (1024X768 pixels)



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(1) PANEL PC BU

- 15.4"/ 28.6" (1920X540) PANEL PC



PANEL PC

28.6" (1920X540 pixels)



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(2) Open Frame Monitor BU

- 7" VGA/HDMI Open Frame Monitor(RTP/CTP)



OPEN FRAME MONITOR

© 7 INCH VGA/HDMI Open Frame Monitor (RTP)

© 7 INCH VGA/HDMI Open Frame Monitor (CTP)



Applications

- ◆ Ticket kiosks
- ◆ ATM machines
- ◆ POS systems
- ◆ Shopping Cart Appliance
- ◆ Medical appliance
- ◆ Transportation systems



(2) Open Frame Monitor BU

- 7" VGA/HDMI Open Frame Monitor(RTP/CTP)



OPEN FRAME MONITOR

© 7 INCH VGA/HDMI Open Frame Monitor (RTP)

© 7 INCH VGA/HDMI Open Frame Monitor (CTP)

OPEN FRAME MONITOR

M4 USER HOLE
DP=4mm MAX
SCREW PENETRATION

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(2) Open Frame Monitor BU

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OPEN FRAME MONITOR



© 7 INCH VGA/HDMI Open Frame Monitor (RTP)

© 7 INCH VGA/HDMI Open Frame Monitor (CTP)



(3) LCM BU - COB/COG/TAB/TFT

LCM



TFT Solution
JD7 series: 3.5, 4.3, 7.0"



TFT LCM



RS232/RS485
UART Display



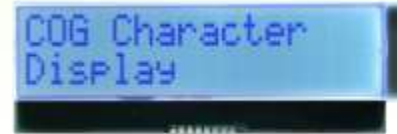
Custom Design



TAB LCM



USB UART Display



COG Character



COB Graphic



RS232/RS485
UART Display



COG Graphic



COB Character

(3) LCM BU

-Color LCM for 2/3/4 wheelers applications



Color LCM



Color LCM for 2/3/4 wheelers applications

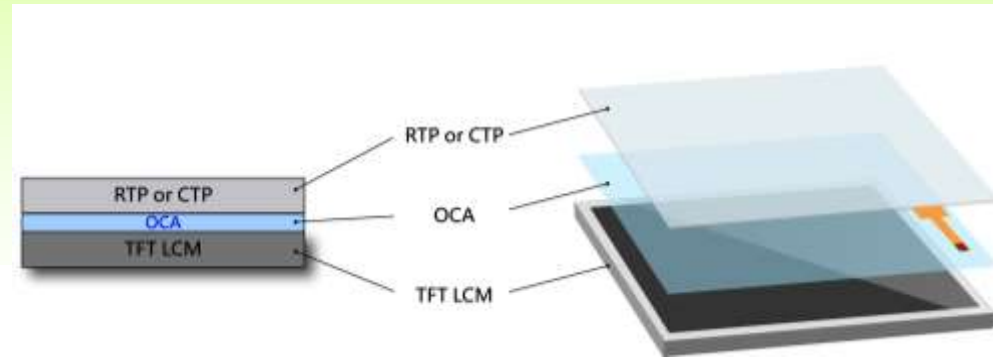


Gi Far Tchnology Co., Ltd.
EMS · LCD Module · SMT · DIP Manufacturer/Design in Taiwan

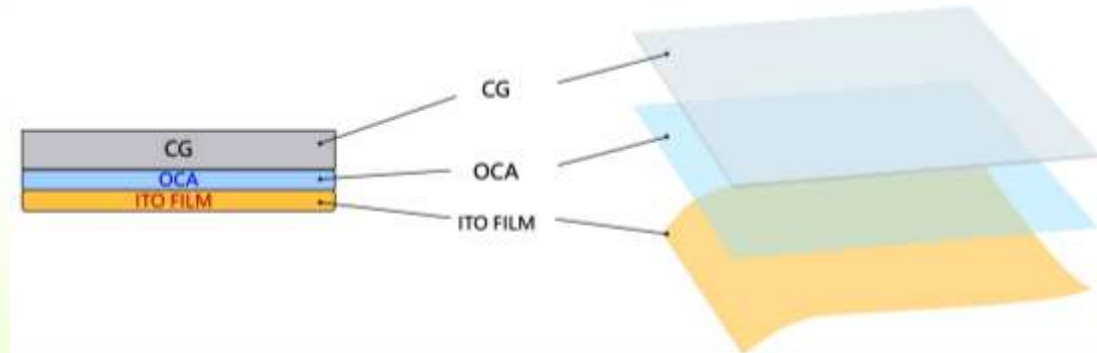
(4) Optical Bonding B.U. -OCA Optical Bonding Service

● OCA Optical Bonding

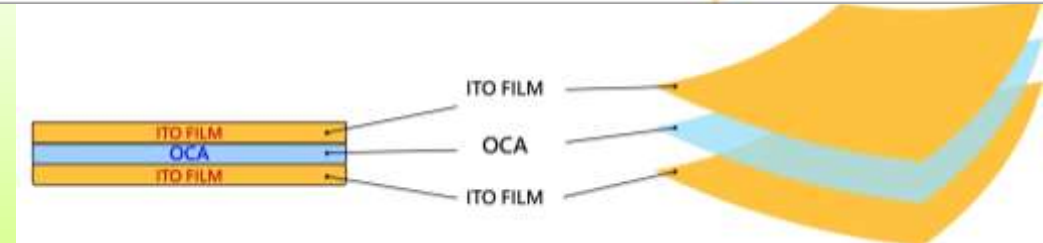
1. Hard to Hard : G2G



2. Soft to Hard :
S2G



3. Soft to Soft :
S2S



(4) Optical Bonding B.U.

-OCA Optical Bonding Equipment

● OCA Optical Bonding

Ambient Lamination / Vacuum Lamination Equipment



Type 1: Ambient Lamination

- ◆ Lamination Speed : Tack Time 30sec~60 sec
- ◆ Lamination Accuracy : $\pm 0.1\text{mm}$
- ◆ Lamination Dimensions (mm) : 500×600 (max.)
- ◆ Lamination Gap : $0 \sim 10\text{mm}$
- ◆ Lamination Pressure : $35 \sim 130\text{Kg}$

Type 2: Vacuum Lamination

- ◆ Lamination size: max. 27-inch (Diagonal)
- ◆ Lamination speed: It depends on case by case basis.

(5) EMS BU -EMS Service /SMT



EMS

SMT LINE



Gi Far Tchnology Co., Ltd.
EMS · LCD Module · SMT · DIP Manufacturer/Design in Taiwan

(5) EMS BU -EMS Service /SMT

EMS /SMT



- Maximum size of the board: 65cmx37cmx2.5cm(length)x(width)x(thickness)
- Minimum size of the board: 5cmx5cmx0.8mm (length)x(width)x(thickness)
- Minimum size of the parts: 0201*1~□74mm/50*150mm
- IC minimum pitch:0.2mm is the minimum
- BGA pitch: 0.25mm is the minimum
- BGA diameter: 0.1mm
- Lead-Free process
- Single, double side work

(5) EMS BU-SMT production /inspection equipment

EMS /SMT, DIP

Germany ERSA off-line high precision automotive/electronic/military industrial selective wave soldering machine (DIP)



BGA X-Ray Inspection Machine(Left)
DIP AOI Inspection Machine (Right)



Automatic Wire Bonding Machine

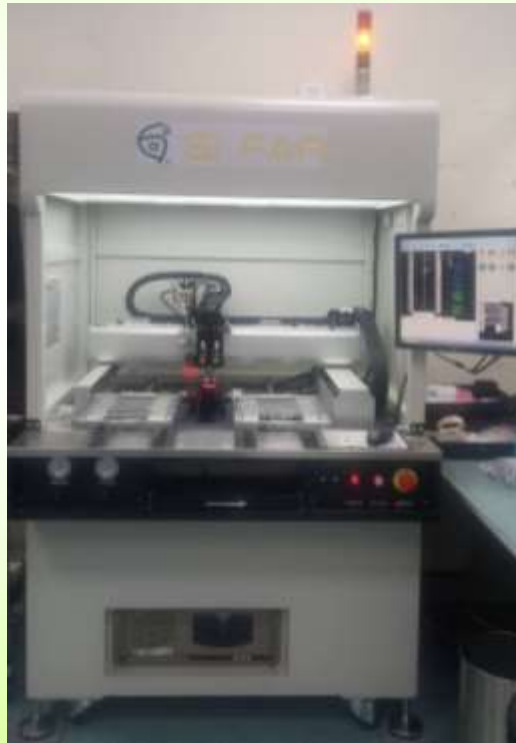


SFCs,
Shop Floor Control System



(5) EMS BU-SMT production equipment

- COB Chip automatic coating and laminating machine



**(5) EMS BU-SMT
production equipment**

Equipment – DIP-ersa 2020



- **DIP-ersa 2020 Selective Wave Soldering machine**
- **Germany ERSA off-line high precision automotive/electronic/military industrial selective wave soldering machine**

X-RAY Counting Machine

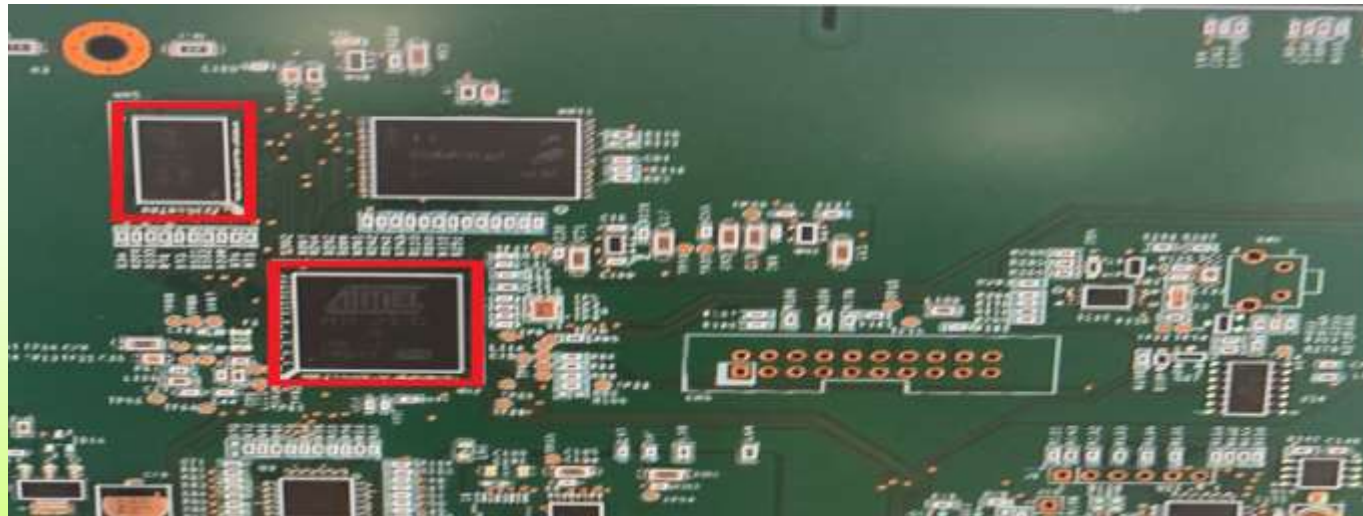


X-RAY Counting Machine











- Achievement reference:
Local automobile brand "LUXGEN" in-vehicle
AV system application PCBA board with BGA process.
- "Zero" defect till now for all shipped out PCBA products.

**BGA process actual product achievement:
In-vehicle AV system application PCBA**



PCB SMT · DIP · Assembly

PCB SMT · DIP	PCB SMT · DIP	PCB SMT · DIP	PCB Assembly
			
			

FPC SMT

FPC SMT		
FPC SMT	FPC SMT	FPC SMT
		
		

Applications



Industrial field
Manufacturer equipment field

Industry auto controller, Automobile & Motorcycle & Bike (4/3/2 wheelers), Industrial PC (1U/2U), etc....

Medical device field

Sporting, Industrial, Medical equipments, etc...

Home appliance field
Consumer electronics field

Printer, Calculator, Translator, Gaming device, Databank, MP3, POS system, etc....

Communication field

Cellular phone, Wireless phone, Fax machine, Pager, Navigator, etc...

Civil Aviation/Aerospace /Military field (Army, Navy, Air Force)

Aircraft cockpit display, aircraft entertainment display, training equipment display, Defense & Military equipment display.



Gi Far Tchnology Co., Ltd.

EMS · LCD Module · SMT · DIP Manufacturer/Design in Taiwan

Applications



Monochrome LCM
Graphic & Character
TN / COB / COG /
OLED / TFT



Application → → → → → → → → →



Applications



Gi Far Tchnology Co., Ltd.
EMS · LCD Module · SMT · DIP Manufacturer/Design in Taiwan

Applications

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MADE IN TAIWAN



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EVM-Electronic Voting Machine



Applications

Civil Aviation/Aerospace /Military field (Army, Navy, Air Force)/Others



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晶發科技股份有限公司
GI FAR TECHNOLOGY CO., LTD.

航太認證 AS9100D

資安認證 ISO 27001

GI FAR
Display / EMS / Taiwan

★ Aerospace AS9100:D certified factory since 2022-3-16
★ Automotive IATF 16949: 2016 certified factory since 2022-4-06
★ Information security ISO/IEC 27001:2013 certified factory since 2023-6-15
★ ISO 9001 / ISO14001 certified factory in Taiwan.

Application:

Medical equipments HMI System Industrial PC Automotive Industry auto controller Consumer electronics

LCD Module/ EMS/ SMT/ DIP
Manufacturer/ Design
in Taiwan

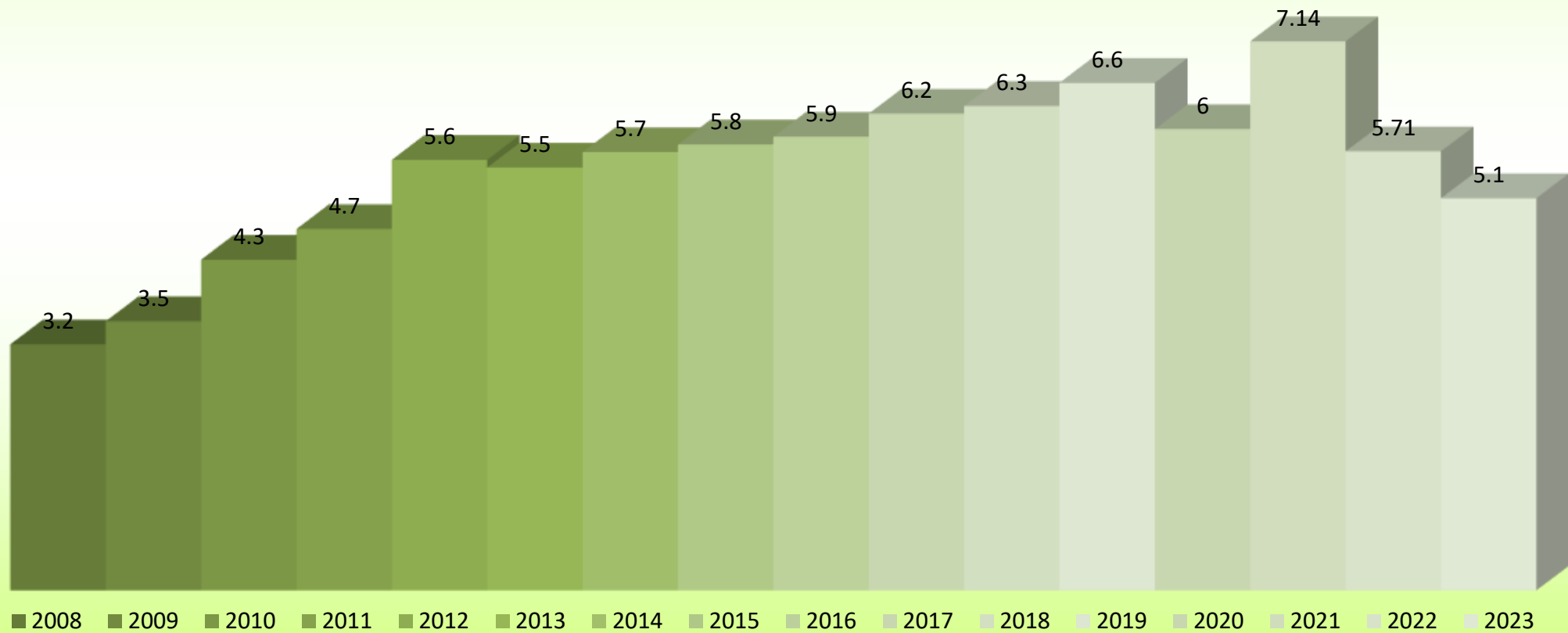


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EMS、LCD Module、SMT、DIP Manufacturer/Design in Taiwan

Sales Turnover

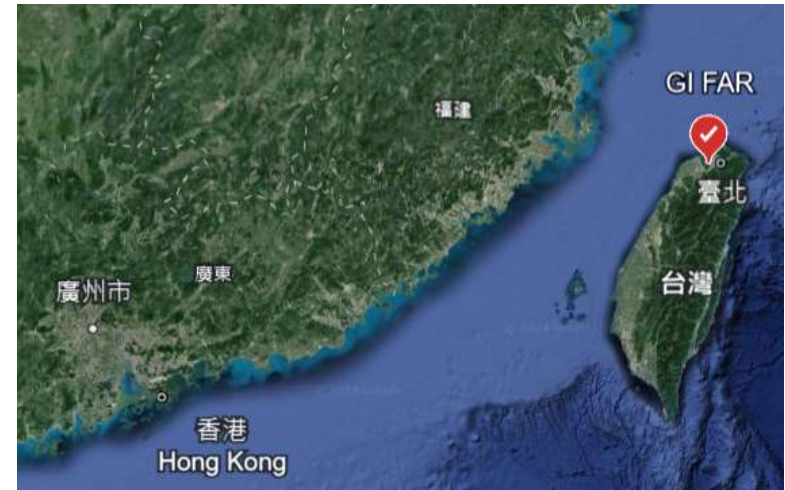


Unit: USD/Million



Business Partners





Win-Win Partnership



GI FAR TECHNOLOGY CO., LTD

(Headquarters & Factory)

No. 81, DongFeng St., Shulin District, New Taipei City, 23874, Taiwan

TEL: +886-2-8684-1188 FAX: +886-2-8684-8532

Overseas: sales@gifar.com.tw

Domestic: jacky@gifar.com.tw

stanley@gifar.com.tw

-Overseas(English): osd-sa@gifar.com.tw

Contact: Mr. Tony Wu

-Overseas(Japanese): osd-ea@gifar.com.tw

Contact: Ms. Jocelyn Wang

WWW.GIFARLCM.COM

