



# 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: 3,300m<sup>2</sup> 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



<b>Company Name</b>	<b>GI FAR Technology co., Ltd.</b>
<b>Establish</b>	Since 1998
<b>Capital</b>	USD 1,130,000
<b>Employees</b>	About 50 persons
<b>Business Unit (BU):</b>	
- (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



# Quality Assurance (AS9100D / IATF169479 / ISO9001 / ISO14001 / ISO27001)



**afaq**  
AFNOR CERTIFICATION

## Certificat Certificate

N° 2022/99608.1

AFNOR Certification certifies that the quality system implemented by:  
AFNOR Certification certifie que le système qualité mis en place par :

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

for the following activities:  
pour les activités suivantes :

DESIGN, MANUFACTURING AND ASSEMBLY OF LCM DISPLAY;  
PRINTED CIRCUIT BOARD ASSEMBLY (PCBA).  
LCM顯示器之設計、製造與組裝；印刷電路板組裝(PCBA)

has been audited in accordance with the EN 9104:001:2013 and found to meet the requirements of the standard:  
a été audité conformément à l'EN 9104:001:2013 et a été jugé conforme aux exigences requises par la norme :

**AS9100:D / JISQ 9100:2016 / EN 9100:2018**

and is developed on the following locations:  
et est déployé sur les sites suivants:

NO. 81, DONGFENG ST., SHULIN DIST., NEW TAIPEI CITY 23874, TAIWAN(R.O.C.)  
23874新北市樹林區東豐街81號

Issue Date (year/month/day) 2022-03-16      Expiry date 2025-03-15  
Date d'émission (année/mois/jour)      Date d'expiration

**cofrac**  
CERTIFICATION  
DE SYSTÈMES  
D'ASSURANCE  
QUALITÉ

**iaqg**  
INTERNATIONAL  
ASSURANCE  
QUALITY GROUP

Julien NZERI  
Managing Director of AFNOR Certification  
Directeur Général d'AFNOR Certification

Version du certificat - Certificate Version : 1

11 rue Francis de Pressensac - 63071 La Plaine Saint-Denis Cedex - France - T: +33 (0)4 41 02 80 00 - F: +33 (0)4 49 17 96 00  
1000 St. Charles St. - 1100104 - 439-878-0000 Hong Kong - www.afnor.org  
02875 8475 / 800088 (toll-free) - 0753 466 8800 (Mobile) - 0476 104000 (fax) - 0476 104000 (fax) - 0476 104000 (fax)

**afaq**  
AFNOR CERTIFICATION

## Certificat Certificate

No : 99604      No IATF : 0447700

AFNOR Certification certifie que le système de management mis en place par :  
AFNOR Certification certifies that the management system implemented by:

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

pour les activités suivantes :  
for the following activities:

DESIGN, MANUFACTURING AND ASSEMBLY OF LCM DISPLAY;  
PRINTED CIRCUIT BOARD ASSEMBLY (PCBA).  
LCM顯示器之設計、製造與組裝；印刷電路板組裝(PCBA)

a été évalué et jugé conforme aux exigences requises par :  
has been assessed and found to meet the requirements of:

**IATF 16949: 2016**

and is developed on the following locations:  
et est déployé sur les sites suivants:

NO. 81, DONGFENG ST., SHULIN DIST., NEW TAIPEI CITY 23874, TAIWAN(R.O.C.)  
23874 新北市樹林區東豐街 81 號

Ce certificat est valable à compter du (année/mois/jour)  
This certificate is valid from (year/month/day)

2022-04-06      2025-04-05  
Date d'émission (année/mois/jour)      Date d'expiration

**cofrac**  
CERTIFICATION  
DE SYSTÈMES  
D'ASSURANCE  
QUALITÉ

**iaqg**  
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**afaq**  
AFNOR CERTIFICATION

## Certificat Certificate

N° 2022/99610.1

AFNOR Certification certifies that the management system implemented by:  
AFNOR Certification certifie que le système de management mis en place par :

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

for the following activities:  
pour les activités suivantes :

DESIGN, MANUFACTURING AND ASSEMBLY OF LCM DISPLAY;  
PRINTED CIRCUIT BOARD ASSEMBLY (PCBA).  
LCM顯示器之設計、製造與組裝；印刷電路板組裝(PCBA)

has been assessed and found to meet the requirements of:  
a été évalué et jugé conforme aux exigences requises par :

**ISO 9001 : 2015**

and is developed on the following locations:  
et est déployé sur les sites suivants:

NO. 81, DONGFENG ST., SHULIN DIST., NEW TAIPEI CITY 23874, TAIWAN(R.O.C.)  
23874 新北市樹林區東豐街 81 號

This certificate is valid from (year/month/day)      2022-03-16      until      2025-03-15  
Ce certificat est valable à compter du (année/mois/jour)      Date d'émission (année/mois/jour)      Date d'expiration

**cofrac**  
CERTIFICATION  
DE SYSTÈMES  
D'ASSURANCE  
QUALITÉ

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INTERNATIONAL  
ASSURANCE  
QUALITY GROUP

Julien NZERI  
Managing Director of AFNOR Certification  
Directeur Général d'AFNOR Certification

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1000 St. Charles St. - 1100104 - 439-878-0000 Hong Kong - www.afnor.org  
02875 8475 / 800088 (toll-free) - 0753 466 8800 (Mobile) - 0476 104000 (fax) - 0476 104000 (fax) - 0476 104000 (fax)

**BQC**  
ASSESSMENT

## CERTIFICATE

This is to Certify that the  
Environment Management System of  
**GI FAR TECHNOLOGY CO., LTD.**  
No.81, Dongfeng St., Shulin Dist., New Taipei City, 23874, Taiwan (R.O.C.)

has been found to comply with  
**ISO 14001:2015**

This certificate is applicable to the following scope:  
The Registration Covers The Design And Manufacturing Of LCD/LCM And Wireless Products.

Certificate No :: I-ESC202011013

Date of Initial Registration	24 November 2023
1 <sup>st</sup> Surveillance Audit on/before	24 October 2024
2 <sup>nd</sup> Surveillance Audit on/before	24 October 2025
Certificate Expiry	23 November 2025
Recertification Due	23 November 2025

Authorized Signatory  
**BQC ASSESSMENT PRIVATE LIMITED**  
Website: www.bqcassess.com, E-mail: info@bqcassess.com, Ph: +91 9896001000

**IAS** ACCREDITED MSCB - 124      **IAF** ACCREDITED      **BQC** ACCREDITED

BQC Assessment Pvt. Ltd. is accredited by International Accreditation Services (IAS), United States of America vide MSCB Number 124.  
Accreditation details are available with IAS (International Accreditation Service) Inc, USA, at www.iascertification.org  
The validity of this certificate can be verified at www.bqcassess.com or through info@bqcassess.com  
This certificate is the property of BQC Assessment Pvt. Ltd. and must be returned to us upon request.

**afaq**  
AFNOR CERTIFICATION

## Certificate Certificate

TTI21340-00

**GI FAR TECHNOLOGY CO., LTD.**

Scope : Management and Maintenance of Management department, Enterprise Resource Planning System, and Information Computer Facilities Related to Information Assets, Software Assets, Physical Assets and Network Infrastructure Construction.  
This is In Accordance With The Statement Of Applicability, Version: REV. B, the release Date: February 16, 2023.

NO. 81, DONGFENG ST., SHULIN DIST., NEW TAIPEI CITY 23874, TAIWAN(R.O.C.)

AFNOR ASIA certifies that all the arrangements covering the above mentioned activities and locations are established to meet the requirements of the international standards:

**Information Security Management Systems  
ISO/IEC 27001 : 2013 (CNS 27001 : 2014)**

ORIGINAL DATE OF CERTIFICATION 15-JUN-2023	DATE OF ISSUE 15-JUN-2023	DATE OF EXPIRY 31-OCT-2025
APPROVED BY 		
Trevor Wilmer Director for Certification ON BEHALF OF AFNOR ASIA		

AFNOR ASIA (UK) 英國標準協會有限公司 - 205, No. 152, Chung Ping Road, Taichung, 40101 R.O.C., Taiwan  
T: +86 03 228 2065 F: +86 03 228 7088 fax: 0360010000@afnor.com.tw



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

(1) PANEL PC BU

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



# PANEL PC

15.4" (1024X768 pixels)



PANEL PC 15"



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

Gi Far Tchnology Co., Ltd.

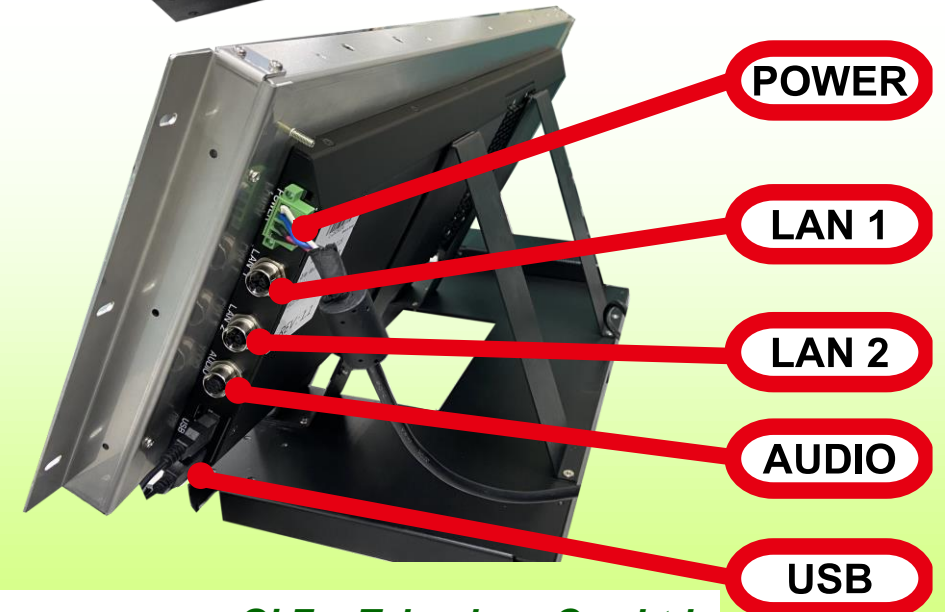
# (1) PANEL PC BU

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



# PANEL PC

## 28.6" (1920X540 pixels)



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

**Gi Far Tchnology Co., Ltd.**

# (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

[WWW.GIFARLCM.COM](http://WWW.GIFARLCM.COM)



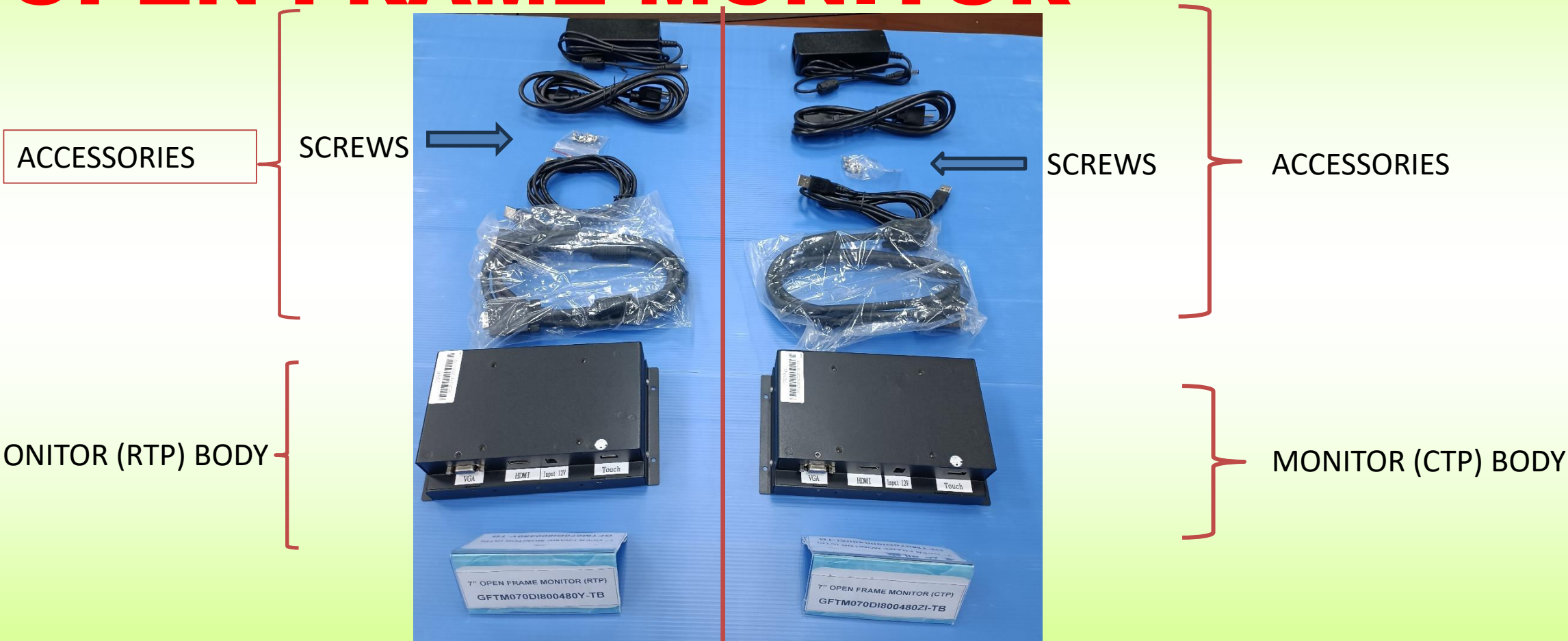
Gi Far Tchnology Co., Ltd.  
EMS · LCD Module · SMT · DIP Manufacturer/Design in Taiwan

# (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)



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

## LCM



TFT Solution  
JD7 series: 3.5, 4.3, 7.0"



TFT LCM



RS232/RS485  
UART Display



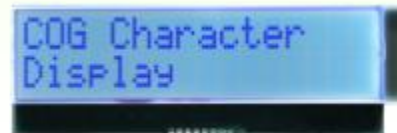
Custom Design



TAB LCM



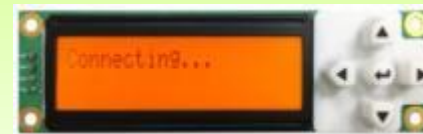
USB UART Display



COG Character



COB Graphic



RS232/RS485  
UART Display



COG Graphic

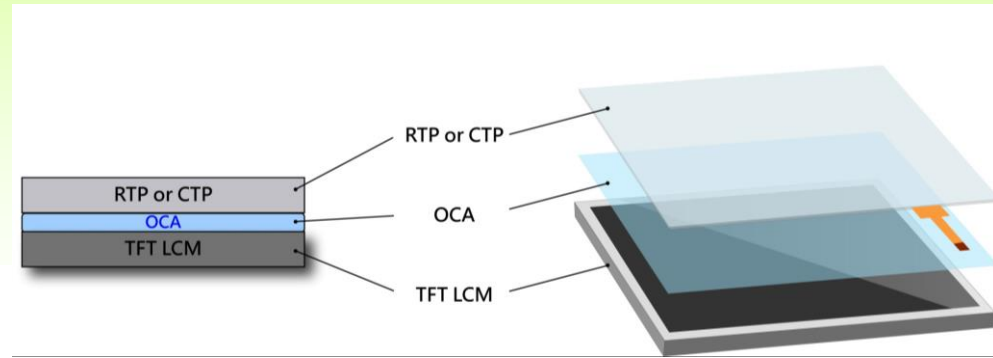


COB Character

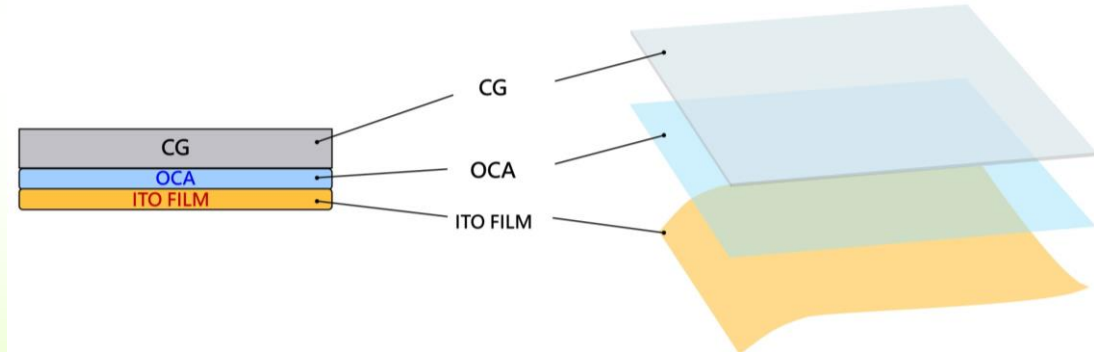
# (4) Optical Bonding B.U. -OCA Optical Bonding Service

## ● OCA Optical Bonding

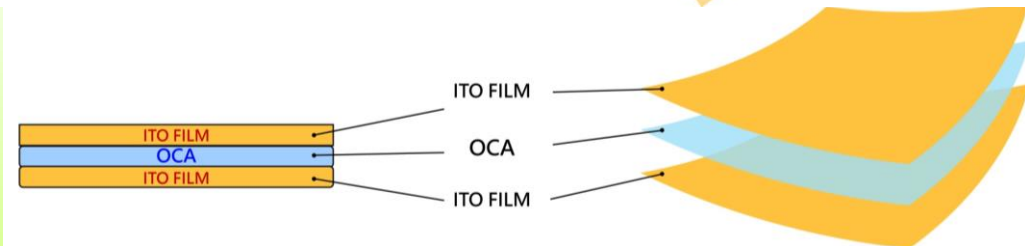
1. Hard to Hard : G2G



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 : 0~10mm
- ◆ Lamination Pressure : 35 ~ 130Kg

### 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

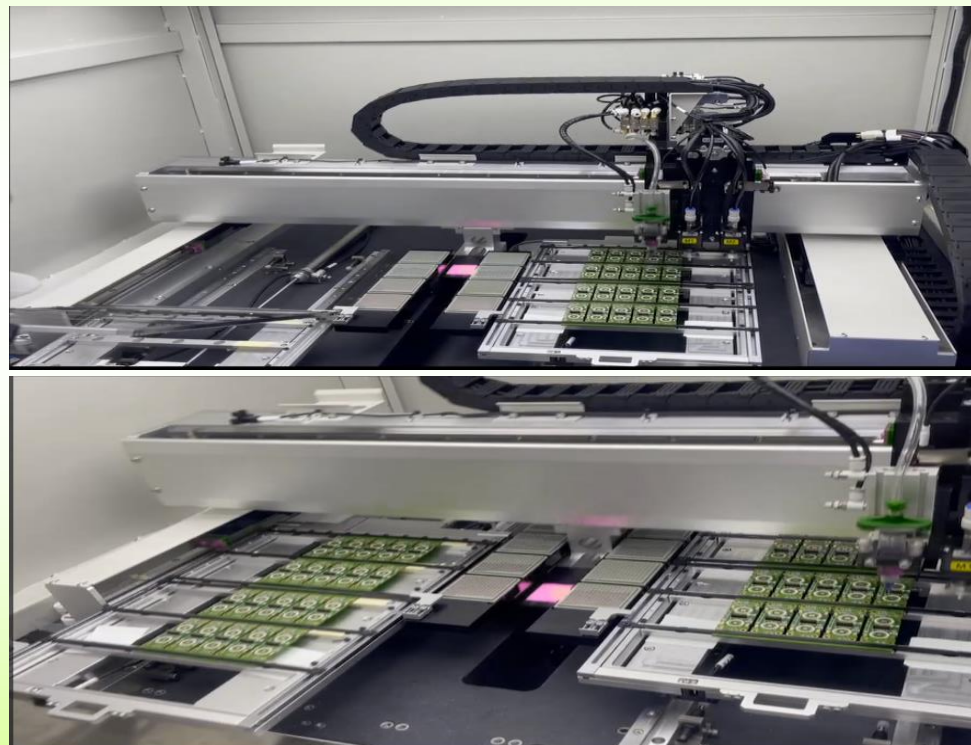
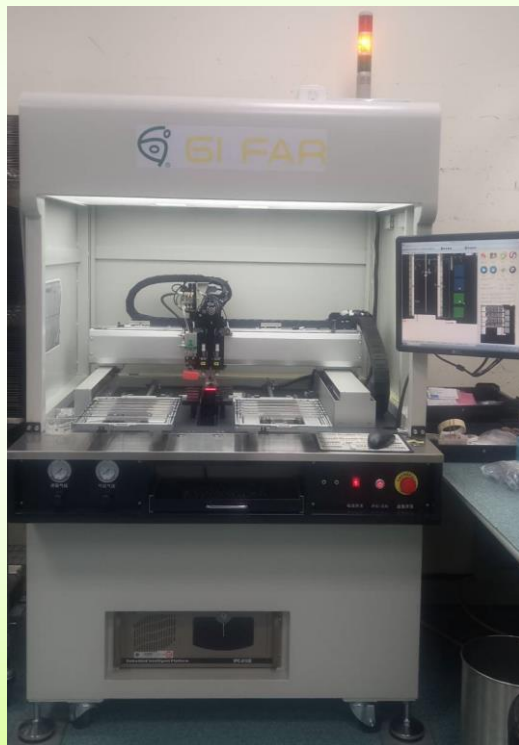


SFCs,  
Shop Floor Control System



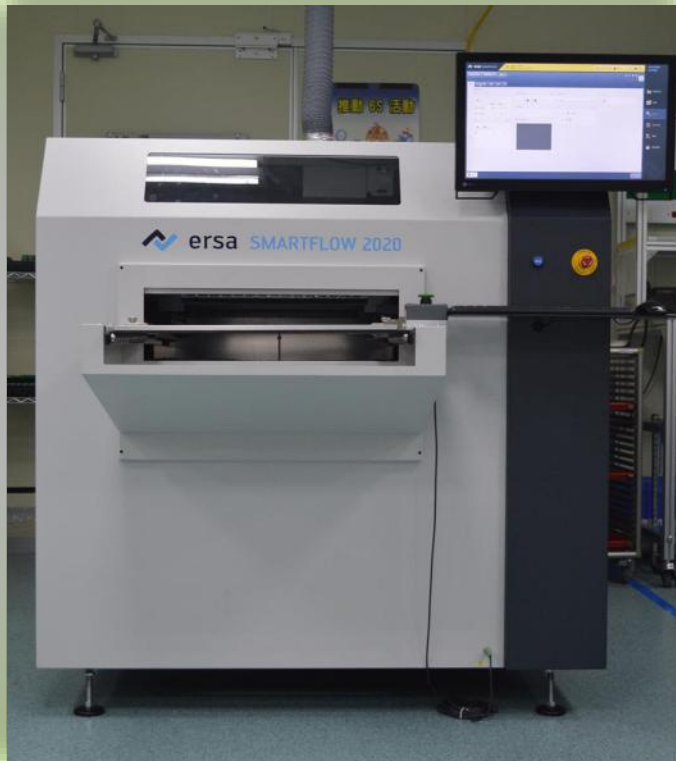
## (5) EMS BU-SMT production equipment

- COB Chip automatic coating and laminating machine



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

**Equipment  
– DIP-ersa 2020**

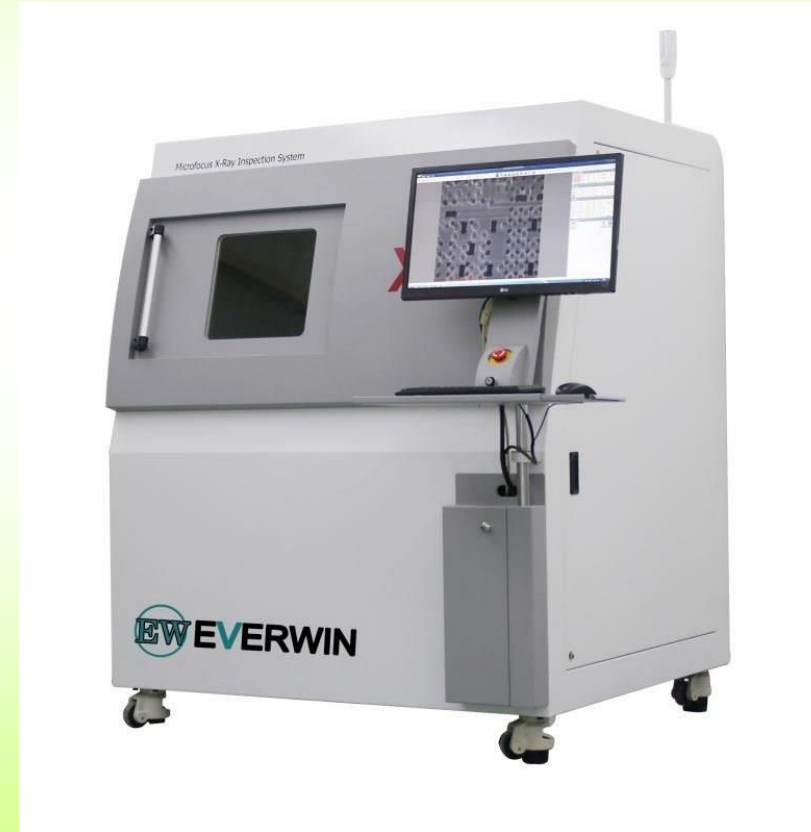


- **DIP-ersa 2020 Selective Wave Soldering machine**
- **Germany ERSA off-line high precision automotive/electronic/military industrial selective wave soldering machine**

## X-RAY Counting Machine

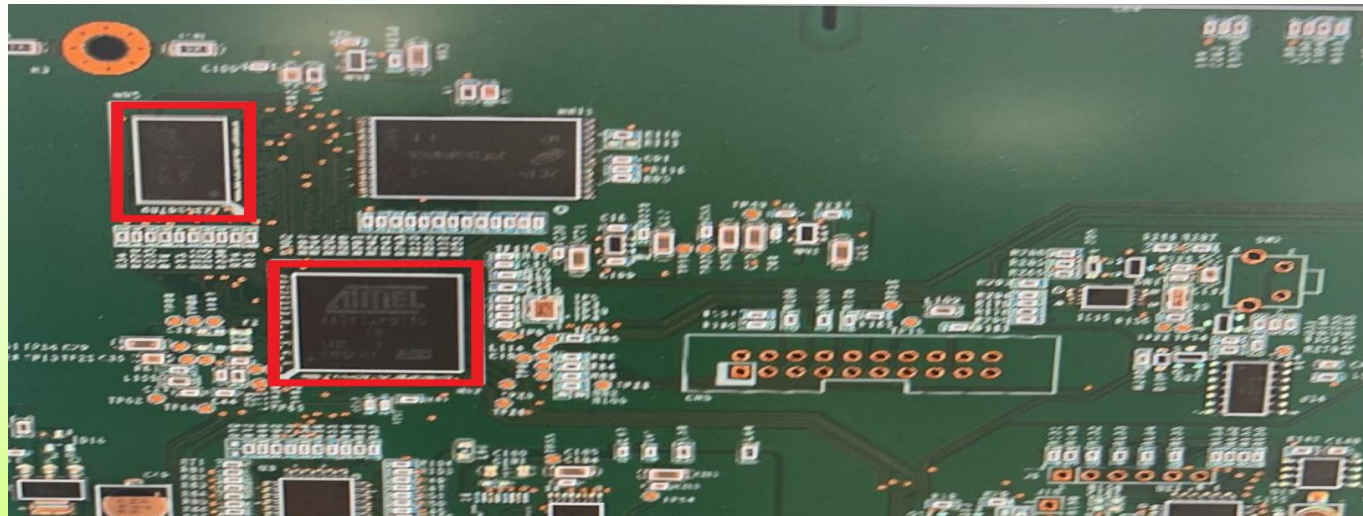


## X-RAY Counting Machine






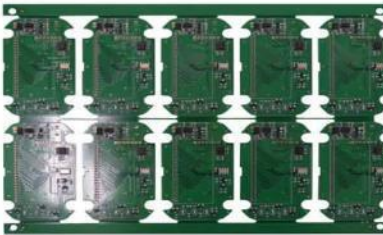




- Achievement reference:  
Local automobile brand "LUXGEN" in-vehicle  
AV system application PCBA board with BGA process.
- "Zero" defect till now for all shipped out PCBA products.

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

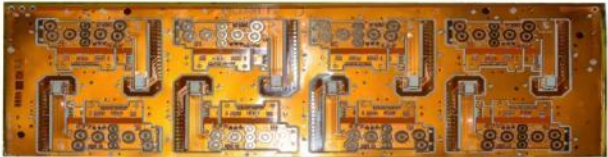
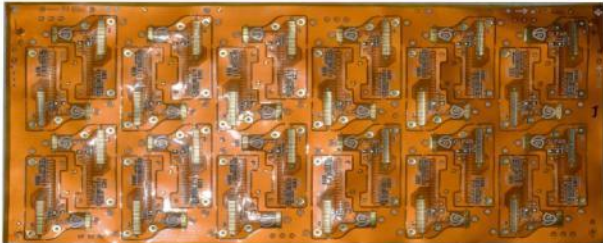


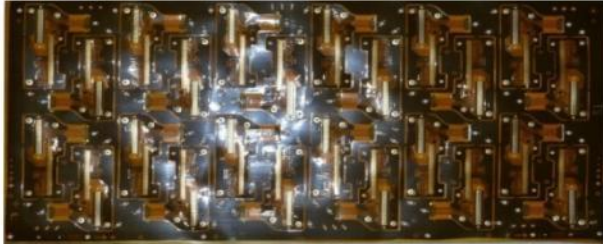



## PCB SMT 、 DIP 、 Assembly

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



# Applications



The diagram features the GI FAR logo at the top center, with the text "Display / EMS / Taiwan" below it. A central hub labeled "IIoT & Embedded Systems" is connected to six application areas: "Consumer electronics" (with a smartphone icon), "Automotive" (with a car dashboard icon), "HMI System" (with a control panel icon), "Communication field" (with a laptop and wireless signals icon), "Industry auto controller" (with a control screen icon), and "Industrial PC" (with a server rack icon). The background shows a factory floor with various industrial equipment, including an Omron control cabinet on the left and a CKD VP5200L-V machine on the right.

晶發科技股份有限公司  
MADE IN TAIWAN

www.gifar.com

WWW.GIFARLCM.COM



## EVM-Electronic Voting Machine



# Applications

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



WWW.GIFARLCM.COM

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



**GI FAR**  
Display / EMS / Taiwan

**航太認證 AS9100D**

**資安認證 ISO 27001**

**航太認證 AS9100D Certificate**

**資安認證 ISO 27001 Certificate of Registration**

★ 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**



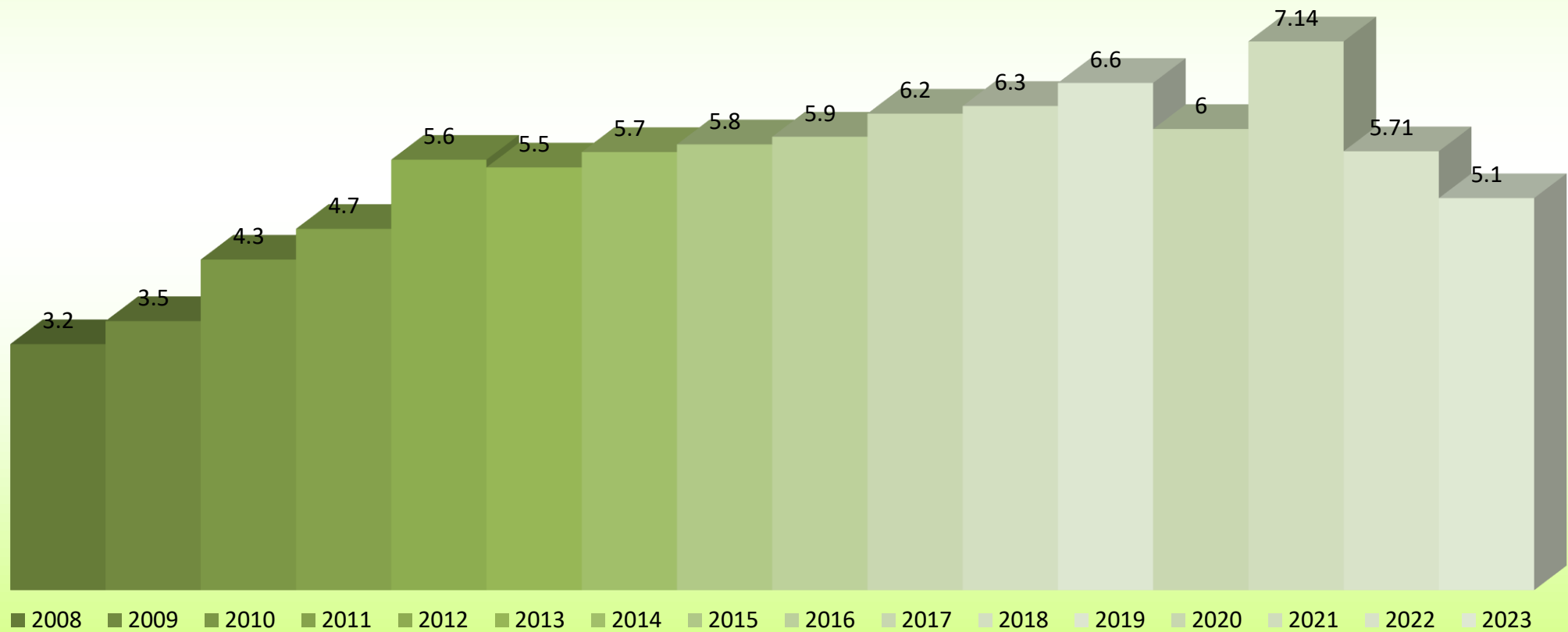
**Gi Far Tchnology Co., Ltd.**

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

# Sales Turnover



Unit: USD/Million



# Business Partners

FLEXTRONICS X

HITACHI  
Inspire the Next

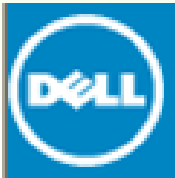
Portwell

flex

VISHAY

EPSON

FXLINK  
Foxlink Image Technology



ADVANTECH

Ingrasys

AXIOMTEK

FOXCONN

DELTA

Inventec

GW INSTEK

MORE  
TECHNOLOGY & SERVICE



住友電工

JABIL



# 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

