

Accumulate Steadily and Act Sincerely

2025

SUNKING

Leading manufacturer of double-sided and
multilayer PCB with high precision and reliability.

Company Profile





About us

SUNKING Circuits CO.,LTD. founded in 2009, is the industry's leading manufacturer of double-sided and multilayer PCB with high precision and reliability. The headquarter of Sunking is in the Greater Bay Area of Huizhou Xinle Industrial Zone, with Guangdong Huizhou and Jiangxi Ji'an two major production bases. The group has more than 1,000 employees, a comprehensive monthly production capacity 160,000 square meters, and maintains long-term and stable partnership with over 100 high-quality enterprises.

Our products cover all kinds of gold wire bonding board, HDI board, automotive board, battery protection board, optical fiber board, flexible metal board, aluminum substrate board, thick copper board and other types of circuit boards, which can meet the needs of customers in many industries. Widely used in computer, power supply and security electronics, industrial control, automotive electronics (new energy), communication equipment, national defense, medical instruments, aerospace and other fields. Products are exported to Europe, America, Southeast Asia, Japan, Korea, Hong Kong, Taiwan and other countries.





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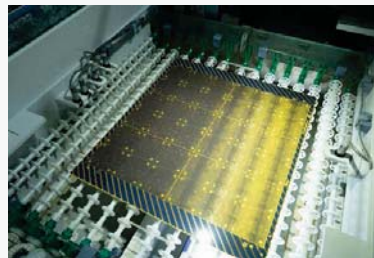
Company Profile

Products



02

03



Technology

Capabilities



04

05



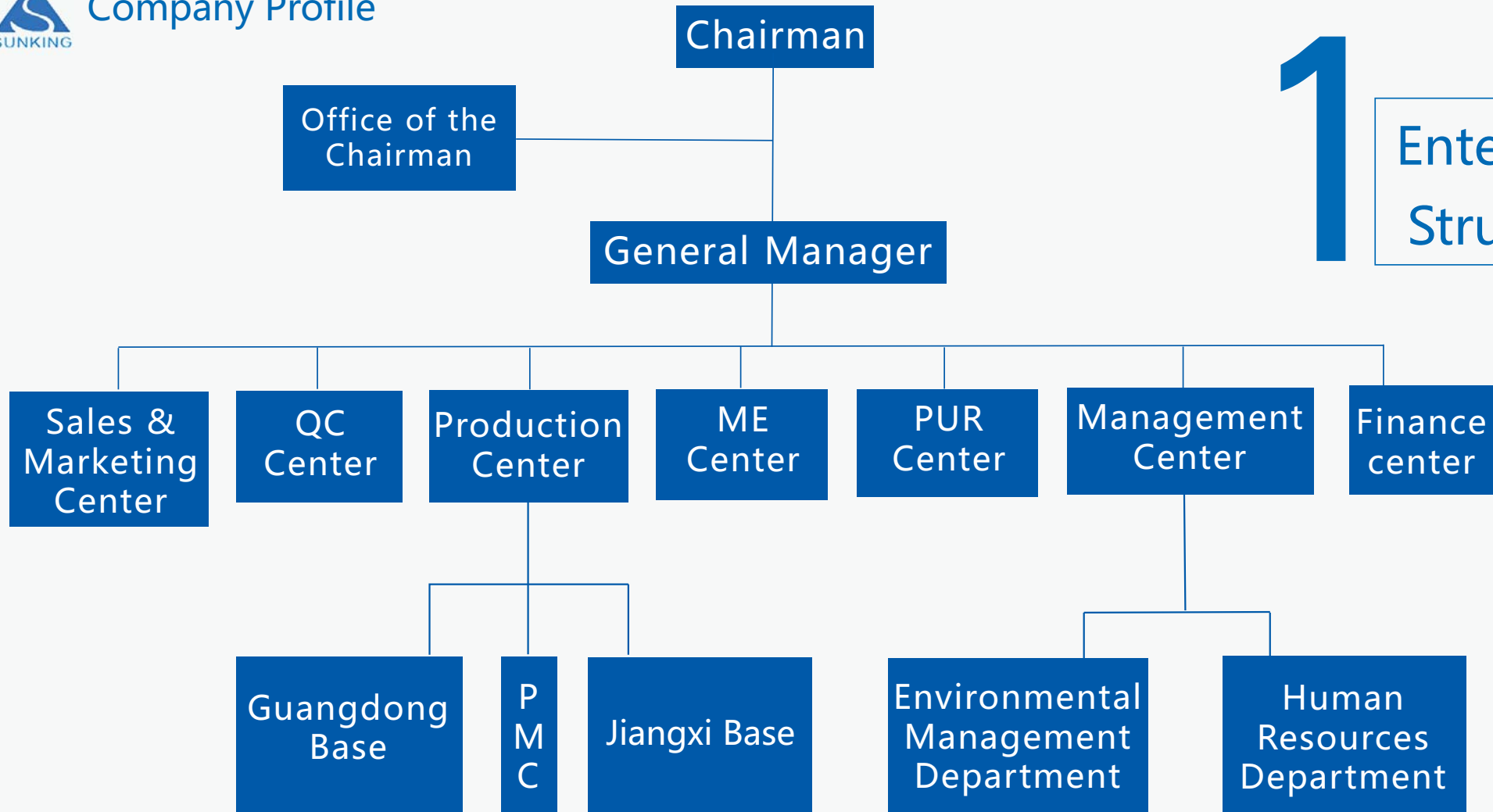
Corporate Culture



Company Profile



Company Profile



1

Enterprise
Structure



Company Profile

2

Guangdong Production Base

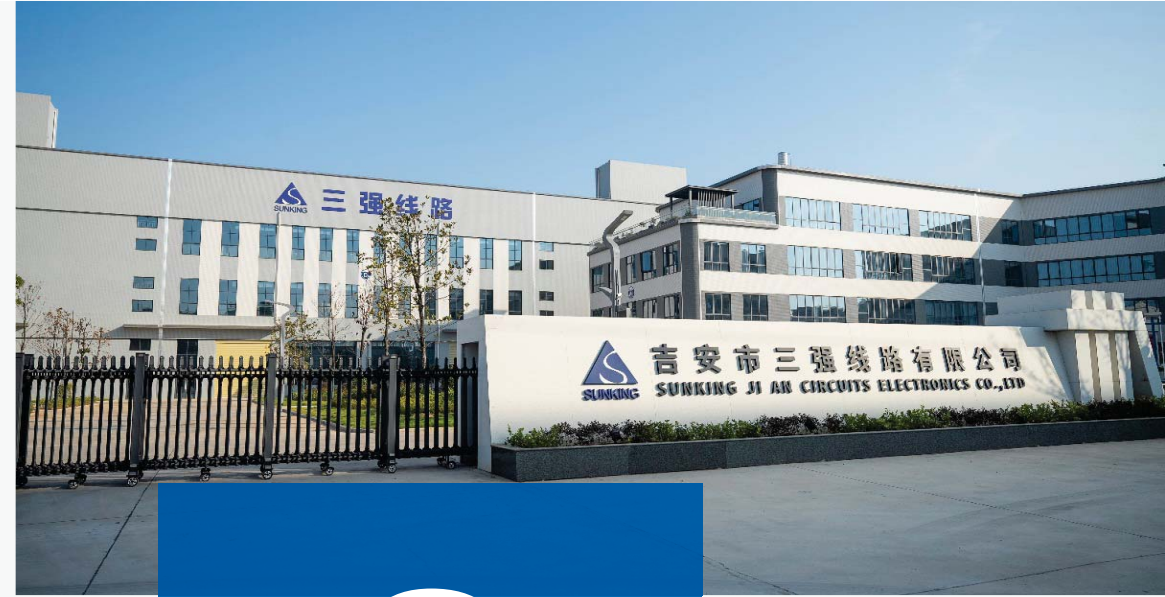
The production base in Huizhou, Guangdong is closely connected to the core cities of the Guangdong-Hong Kong-Macao Greater Bay Area, seizing the commanding heights of global industrial technology innovation. Adjacent to the airport and expressway, with convenient transportation network and quick response to customer needs. Huizhou base has a monthly production capacity of 60,000 square meters, focusing on the production of special materials (BT materials), polymer materials, COB and communication module boards.





Company Profile

Jiangxi Ji 'an production base covers an area of 84,000m², with total floor area of 120,000 m². The first phase of the base has been completed and put into operation in 2024, with a monthly production capacity of 100,000 m² now, including 80% of double-sided and multi-layer circuit boards and 20% of HDI boards. The scale of Jiangxi base has reached the leading level in the industry. We integrate ERP management system and MES intelligent traceability system, the production line is highly automated and intelligent, which can provide customers with high quality and efficient delivery.



3

Jiangxi Production Base



Company Profile



ninebot 九号



利亚德
LEYARD



SHINRY 欣锐科技



SUNKING

Important Business Partners

4



Company Profile

专精特新中小企业

惠州市三强线路有限公司

广东省工业和信息化厅

有效期：2023年1月18日-2026年1月17日

惠州市
工程技术研究开发中心

惠州市科学技术局

5

Honorary title

创新型中小企业

惠州市三强线路有限公司

广东省工业和信息化厅

有效期：2022年12月20日-2025年12月19日

高新技术企业

广东省科学技术厅 广东省财政厅 广东省国家税务局 广东省地方税务局
二〇一七年



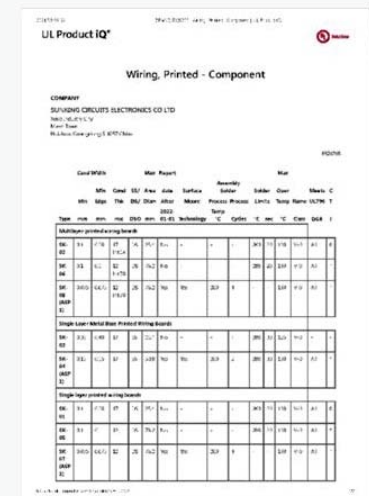


Company Profile

DNV ISO14001:2015 Environmental Management Systems
DNV ISO9001:2015 International Organization for Standardization
DNV IATF16949:2016 International Automotive Task Force
CQC China Quality Certification Centre
U L Underwriter Laboratories Inc.
ISO45001、QC080000

6

Certification





Company Profile



Patents

6

Invention Patents

32

Utility Model Patents

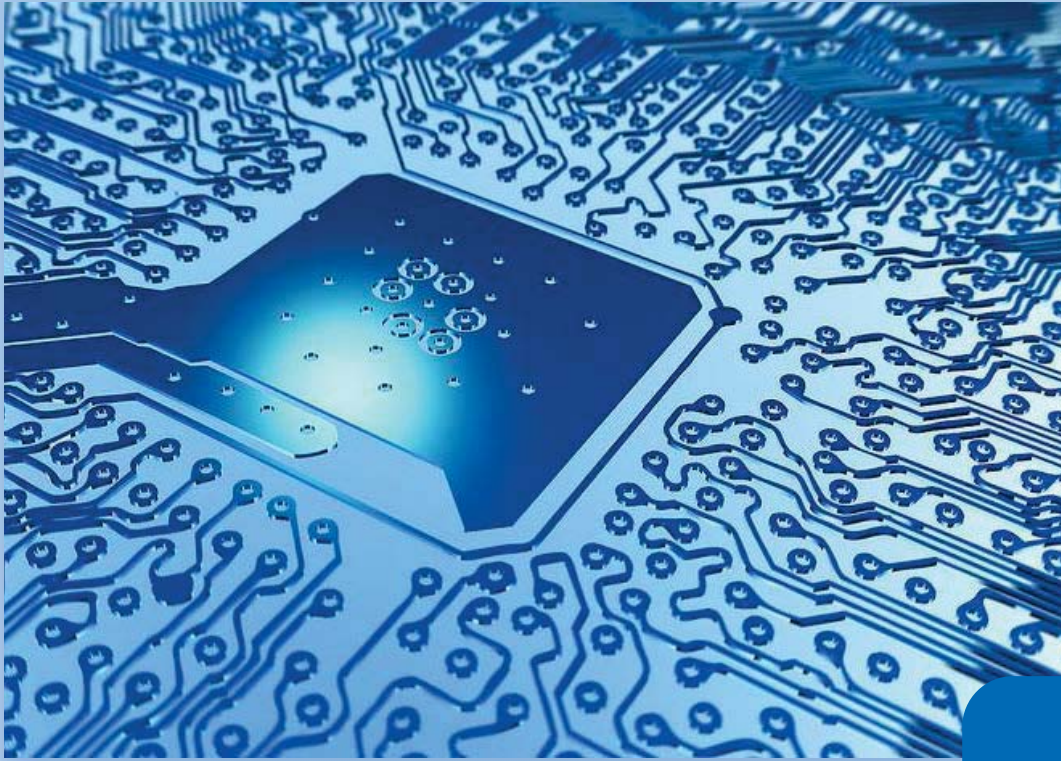
7



Multiple Products



Multiple Products



Optical
Bonding
PCB

Battery
Protection

Industrial
Control

Automotive
Electronics

Special
Material
(BT)

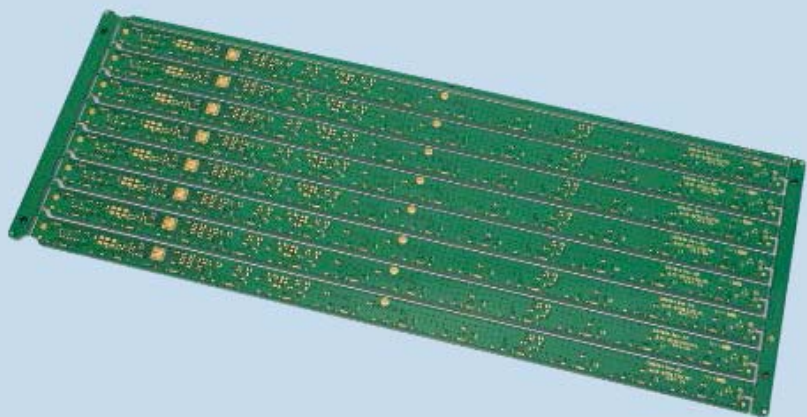
Mini
LED

Network
Communication



Multiple Products

1 Optical Bonding PCB



Technical feature: gold wire bonding, COB, Au thickness 4μ "

Product application: printer, multifunction printer, copier

End Customer: HP, Canon, Brother, Epson



Technical feature: gold wire bonding, Au thickness 4μ "

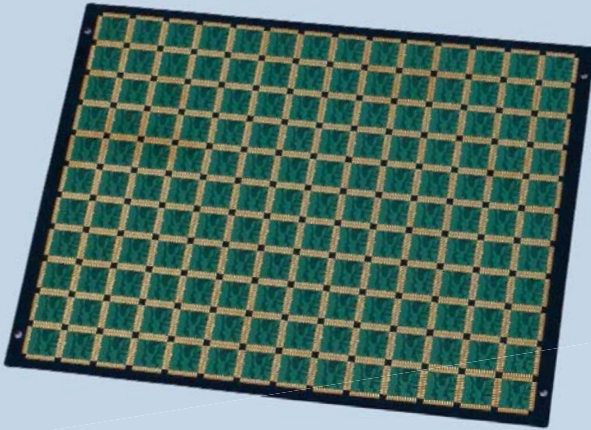
Size: 19.3x663.2 (mm)

Product application: online AOI





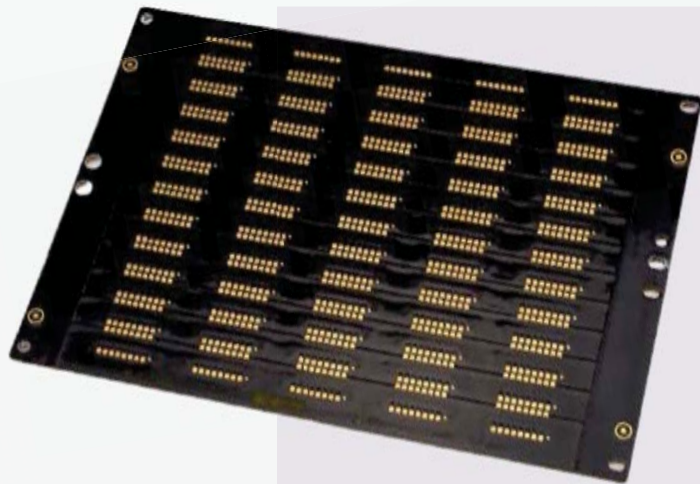
Multiple Products



Technical feature: gold wire bonding, COB, IC substrate

Product application: automotive HD imaging system

End Customer: BYD



Technical feature: gold wire bonding, COB, IC substrate, Au thickness 4 μ "

Product application: robot vacuum cleaner

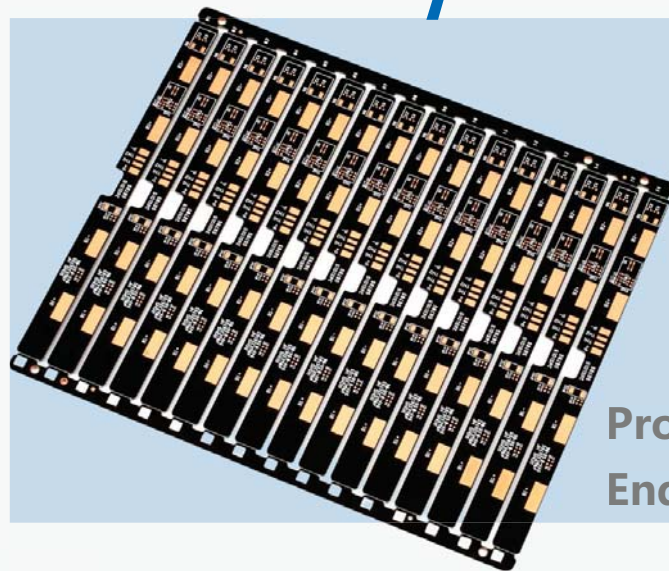
End Customer: Mi



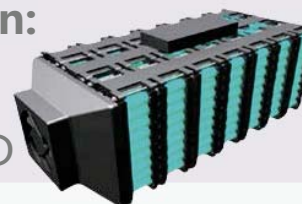
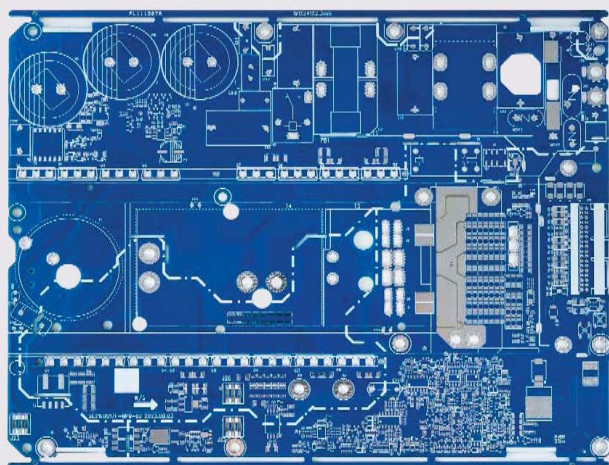


Multiple Products

2 Battery Protection



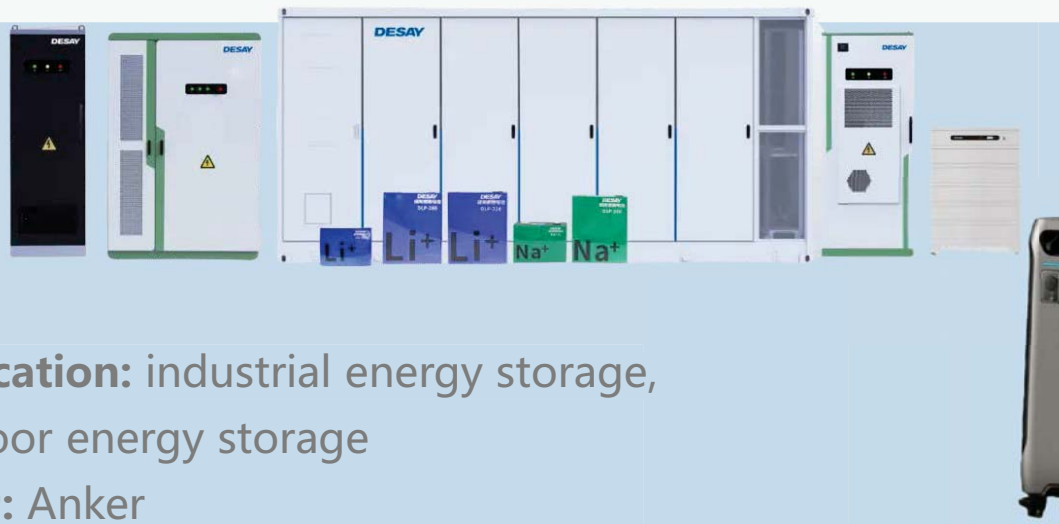
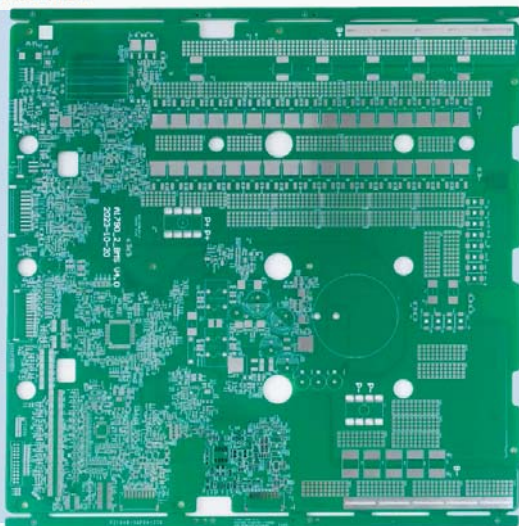
Product application: 3C battery
End Customer: Amazon



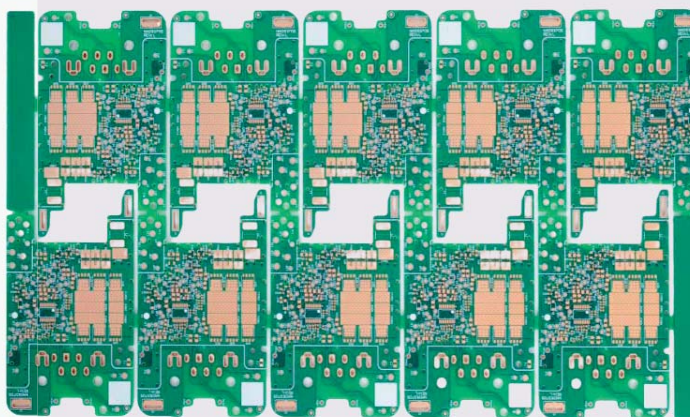
Product application:
automotive battery
End Customer: BYD



Multiple Products



Product application: industrial energy storage,
portable outdoor energy storage
End Customer: Anker

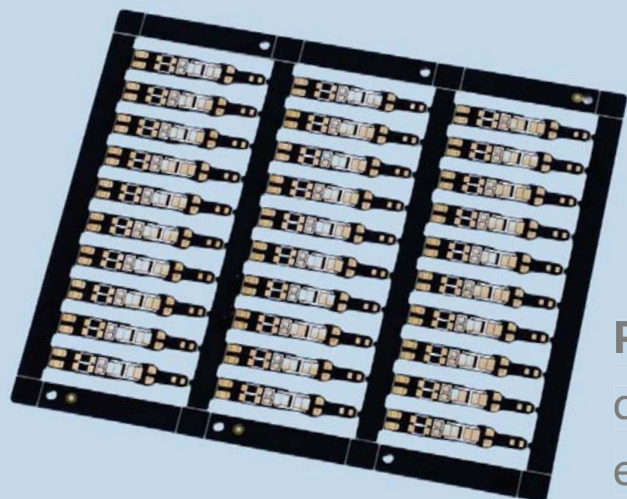


Product application:
power tool
End Customer:
BlackDecker, HiKOKI



Multiple Products

3 Industrial Control



Product application:
digital detonator,
electronic exploder

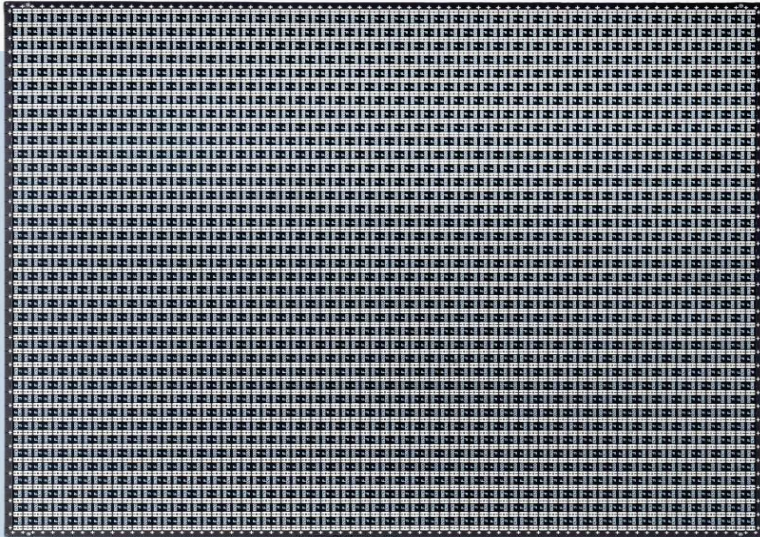


Product application:
thermostat
End Customer:
YUDIAN





Multiple Products



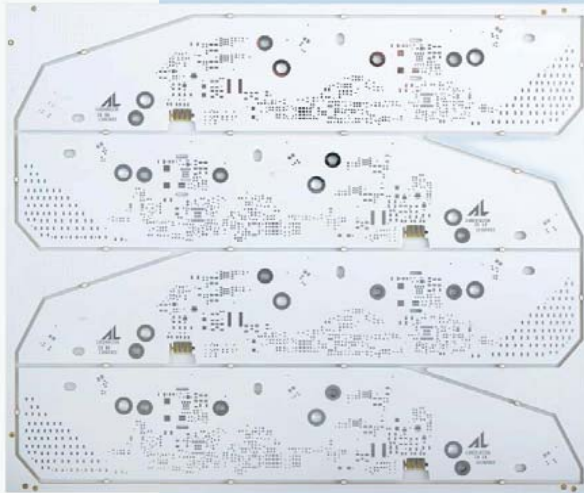
Technical feature: positive temperature coefficient fuse

Product application: overheat or overload protection of component

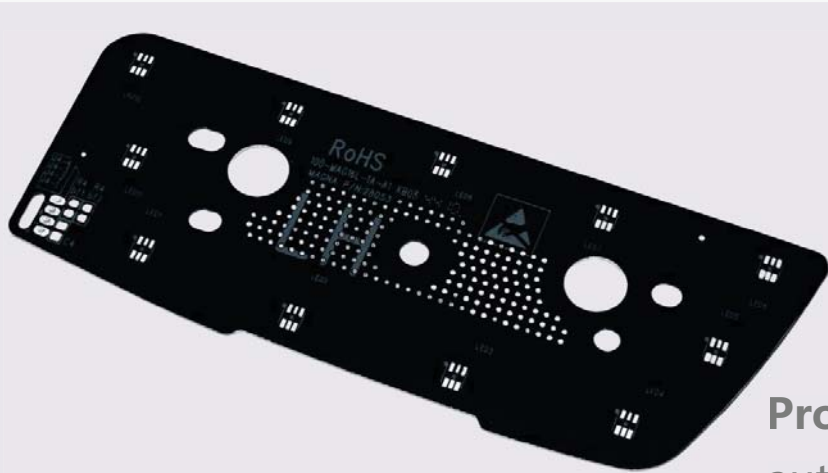


Multiple Products

4 Automotive Electronics



Product application:
automobile headlight
End Customer: Land
Rover

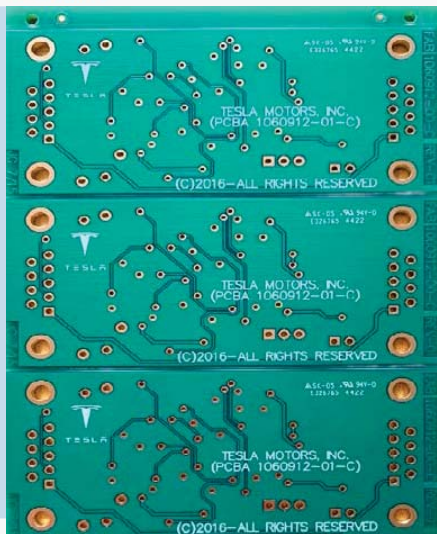


Product application:
automobile dashboard

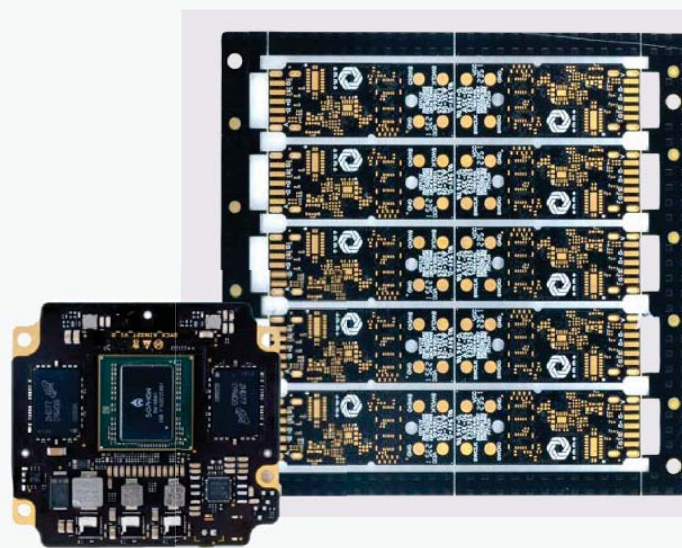




Multiple Products



Product application: new energy automobile charging converter
End customer: Tesla

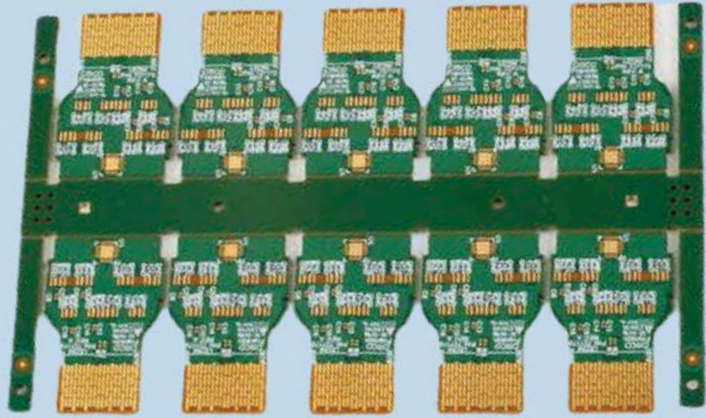


Product application: intelligent cabin (HUD)





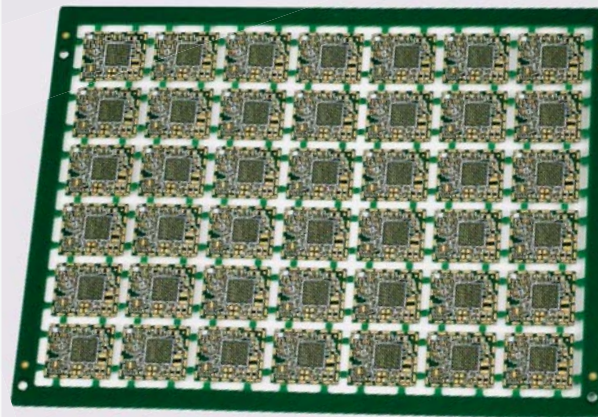
Multiple Products



Product application:
5G optical fiber module
End Customer: Telecom



5 Network Communication



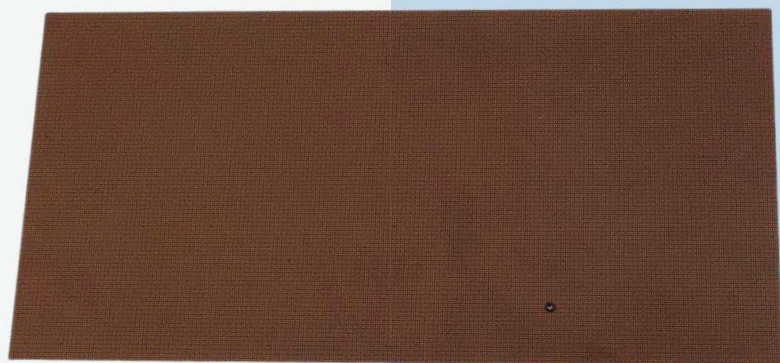
 **Bluetooth®**

Product application:
Bluetooth module
End Customer: TCL,
Changhong



Multiple Products

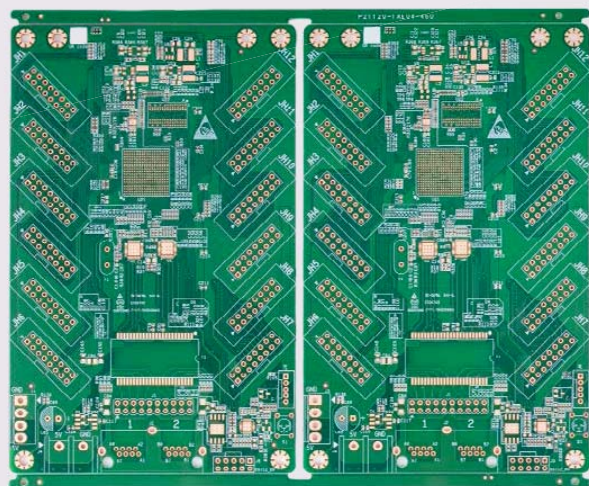
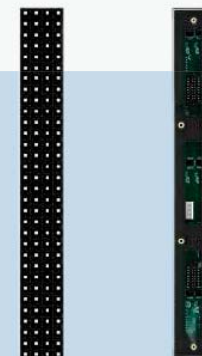
6 Mini LED



Technical feature: HDI

Product application: outdoor display, backlit display, LED advertising machine

End Customer: Leyard, Haijia



Product application:

LED controller

End Customer:

NOVASTAR





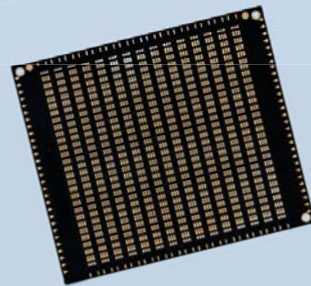
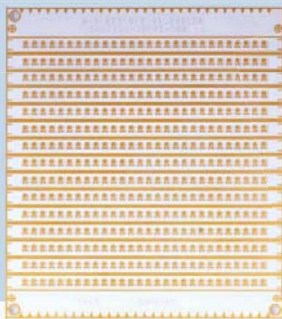
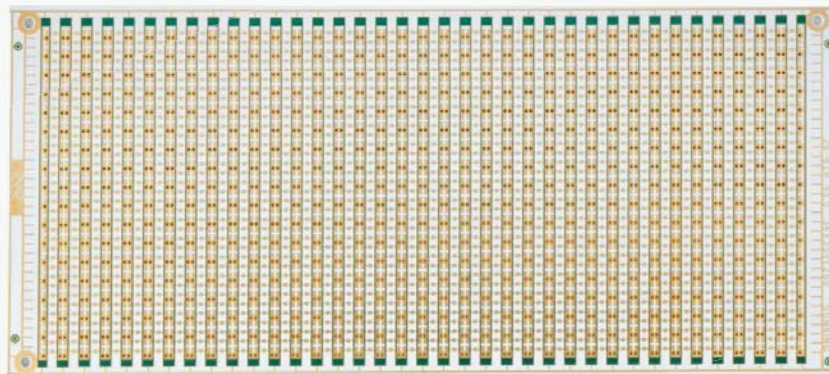
Multiple Products



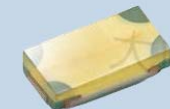
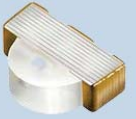
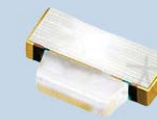
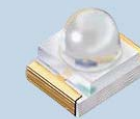
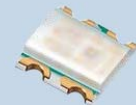
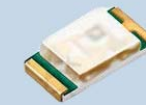
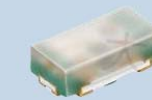
Product application:
8K LED TV
End Customer: Mi



7 Others and Special Material (BT)

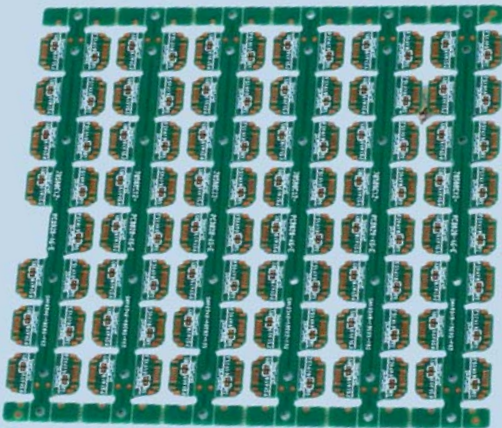


Technical feature:
BT、soft board
Product application:
LED products
End Customer:
Rohm, Everlight





Multiple Products



Product application:
super charger
End Customer: OPPO,
VIVO



Technical feature:

HDI

Product application:

smart watch, sports
health watch

End Customer:

Amazfit



03

Technical Capability



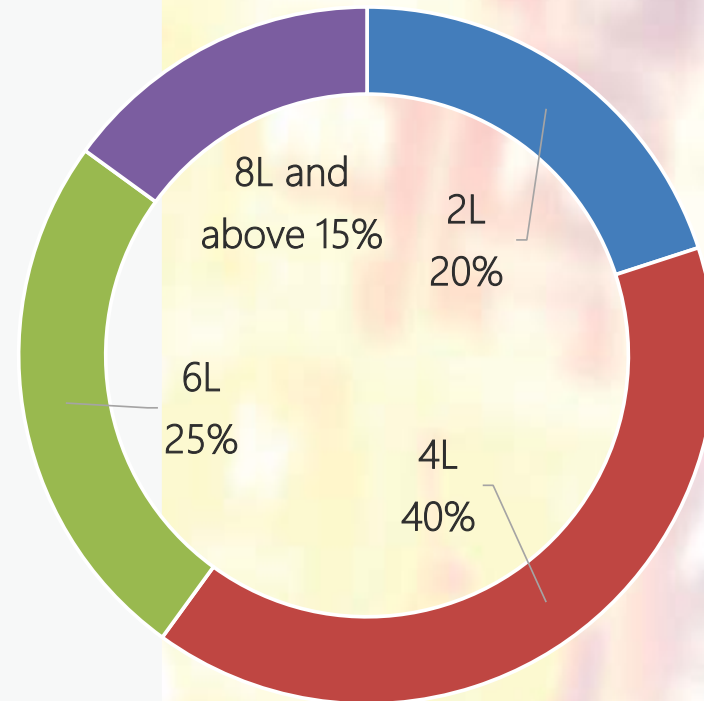
1

Surface Treatment

Hot Air Leveling
Lead Free HAL
OSP
Immersion Gold
Immersion Tin
Immersion Silver
Gold Finger Plating
Flash Gold
Peelable Blue Mask
Resin Plug Hole

2

Production layers





Technical Capability

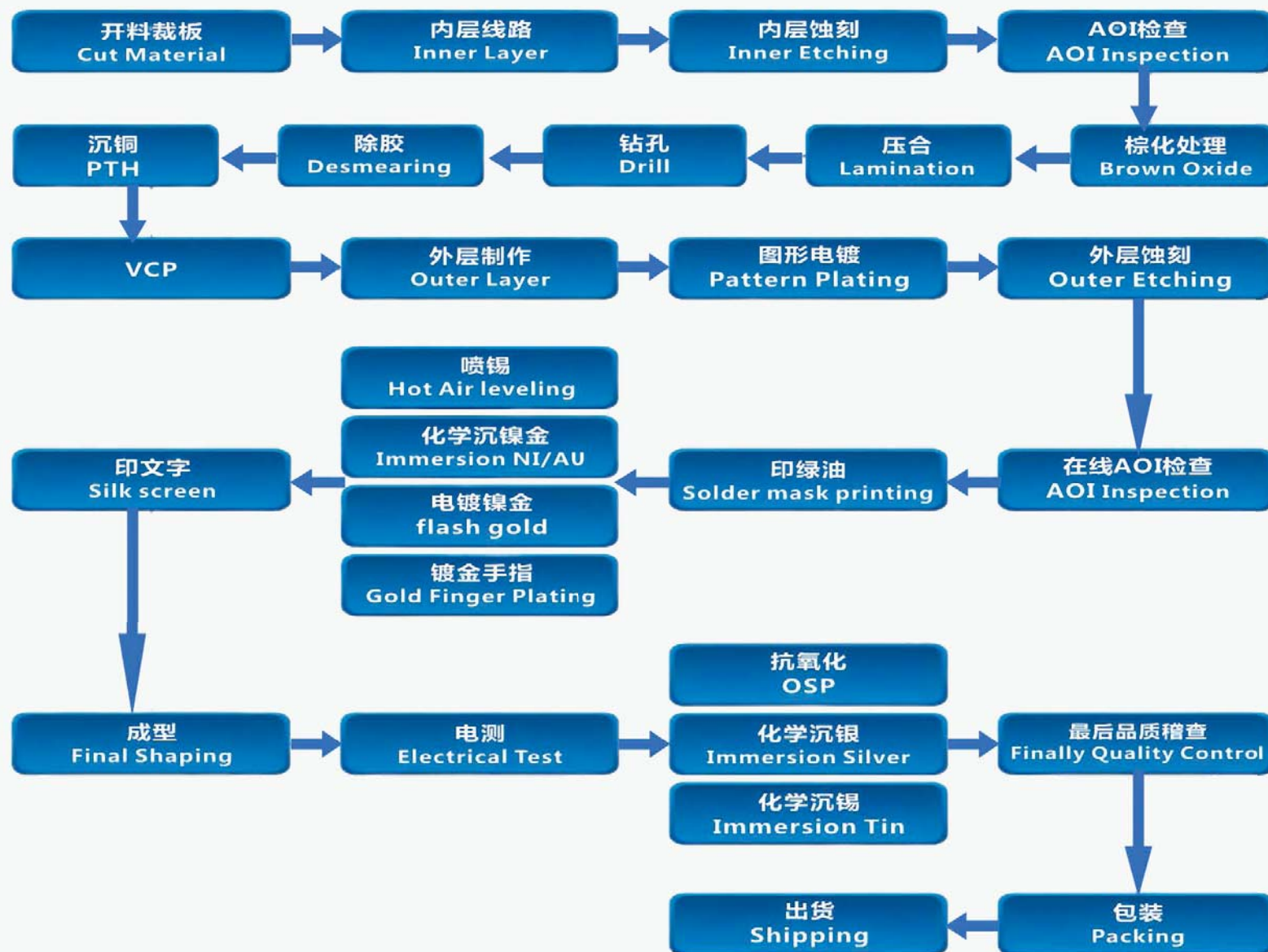
3

Capability

Item	English Unit	Metric Unit
Panel Size	20x40 (")	508x1016 (mm)
Max Layers	20	20
Thickness	0.00394-0.236 (")	0.1-6 (mm)
Min Hole Size	0.0059 (")	0.15 (mm)
Aspect Ratio	20:01	20:01
Width/Gap	1.5/1.5 (mil)	0.0381/0.0381 (mm)
Impedance Control	+/- 5%	+/- 5%
In/Out Base Copper Thickness	10/10 (oz)	10/10 (oz)
Plating Thick Gold	Au 0.8-60 (μ ")	Au 0.02-1.524 (μm)
	Ni 50-300 (μ ")	Ni 1.27-7.62 (μm)
Immersion Gold	Au 0.8-10 (μ ")	Au 0.02-0.254 (μm)
	Ni 50-300 (μ ")	Ni 1.27-7.62 (μm)
Soldermask Thickness	0.2-1.2 (mil)	5.08-30.48 (μm)
Peelable Thickness	4-20 (mil)	101.6-508 (μm)



Technical Capability



4

Process



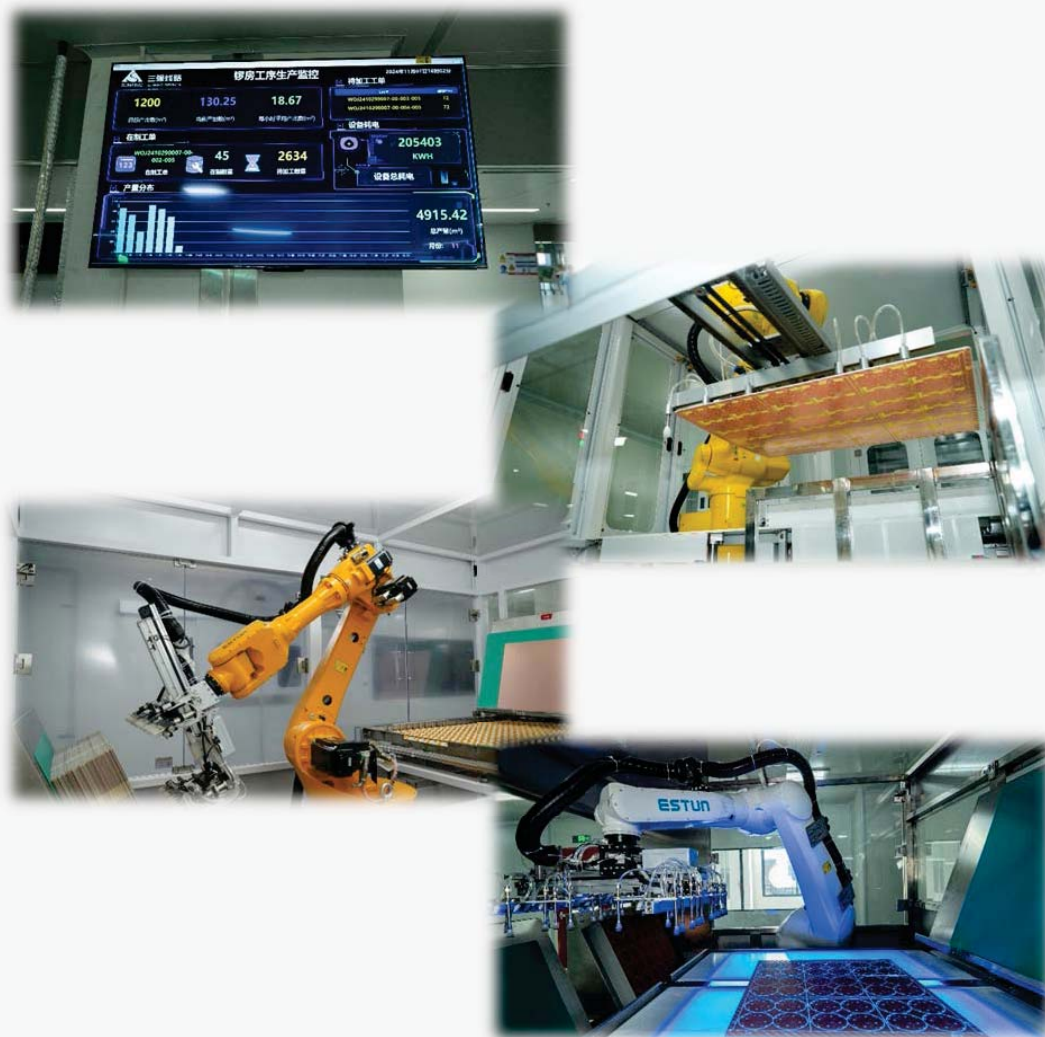
Excellent Capabilities



Excellent Capabilities

The fully automatic intelligent production line is one of the core advantages of SUNKING. We have engaged MES intelligent traceability system to achieve full-chain visualization, information sharing, rapid traceability, data analysis, and compliance management. Every link in the production process, from cutting materials to transportation and sales, is monitored and recorded in real time. The entire production process uses mechanical hands to pick up and place materials, and the highly automated and intelligent production line integrates mechanical equipment, information systems, sensor technology, etc. to achieve full automation and precision in the production process.

Smart Factory





Excellent Capabilities





Excellent Capabilities





Excellent Capabilities



Desmearing & Horizontal PTH



VCP



Excellent Capabilities



Outer Automatic LDI



Outer DES



Intelligent AI Defect Analysis System



Virtual Rescan Machine



Excellent Capabilities



Automatic CCD Parallel Exposure Machine



Automatic Roller Coating Line



Soldermask Automatic LDI



Automatic Jet Printer



Excellent Capabilities





Excellent Capabilities



Automatic V-CUT Machine



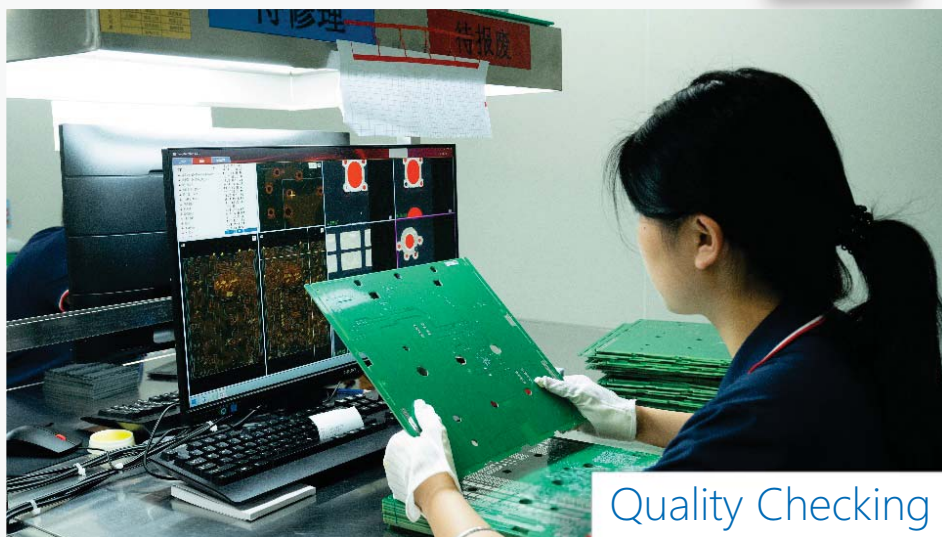
Routing



Horizontal Rinsing Line



Excellent Capabilities





Excellent Capabilities

Physics Laboratory



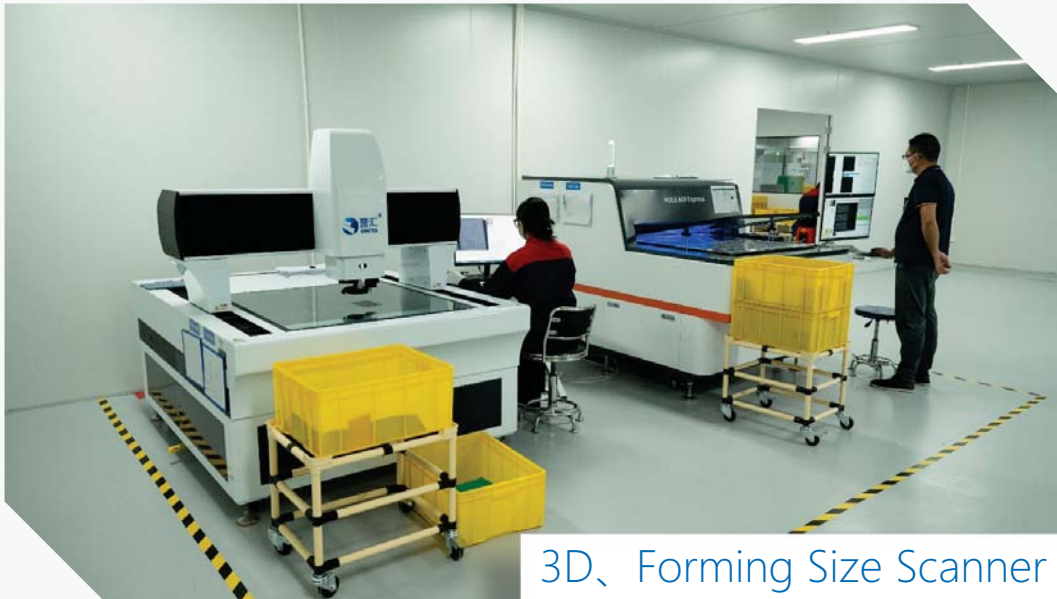
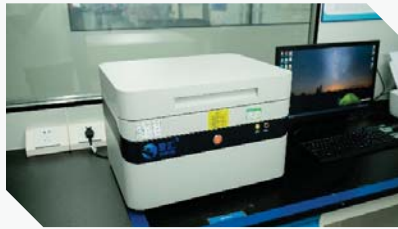
Chemical Laboratory





Excellent Capabilities

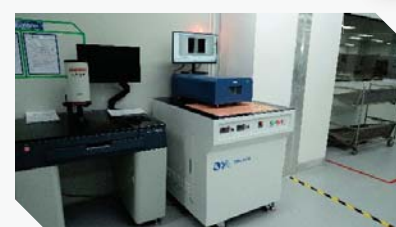
Test Equipment



3D、Forming Size Scanner



Ni-Au Thickness Tester



05

Corporate Culture



Corporate Culture





Corporate Culture

SUNKING not only pursue career excellence, but also cherish the harmony and progress of the team.

We are committed to creating a passionate and dynamic corporate culture, adhering to the concept of "people-oriented", providing employees with a good working and living environment and welfare benefits. Enhancing the centripetal force and cohesion of employees, and promoting the development of enterprises.





SUNKING persevere for 15 years as if it were one day, reputation deeply. Thanks to the support of global customers and investors, thanks to the SUNKING staffs' dedication and perseverance. In the future, we will continue to uphold the spirit of "accumulate as much as possible but to release a little at a time, emphasize action to achieve long-term goals, people-oriented, integrity and pragmatism" to meet the test of The Times.

Conclusion



Please follow SUNKING's WeChat public account and start a beautiful journey to grow with us!



www.sunkingpcb.com



Thank You !