



C.C.P. Group Introduction

C.C.P. Contact Probes Co., Ltd.

<https://www.ccpcontactprobes.com>

393 Jianxing Road, Jinjiang City, Fujian Province

No.10 Nanmian Ave. Humen Town, Dongguan, Guangdong Province

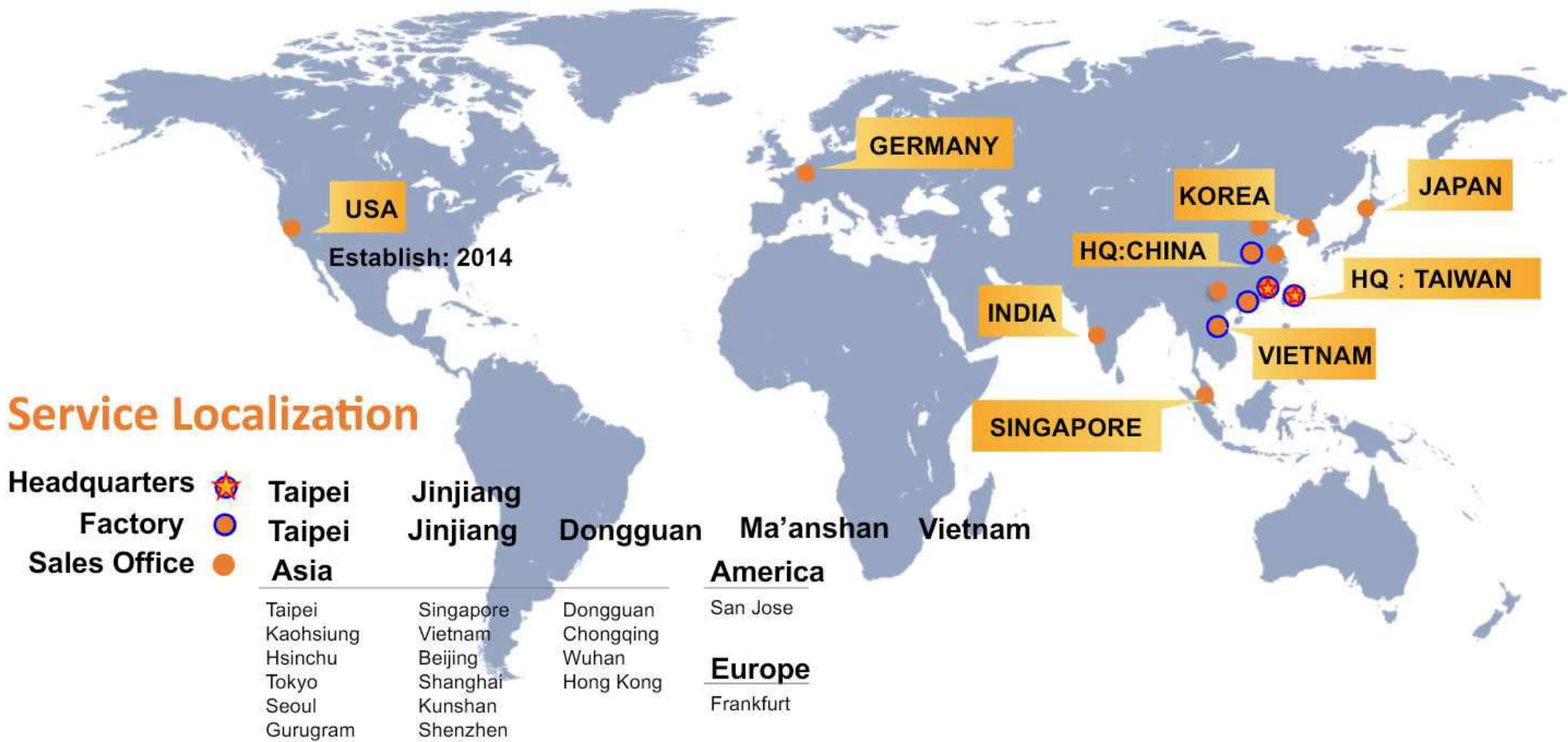
No.8 Lane 24, He ping Road, Banqiao Dist., New Taipei City 220, Taiwan

DEVELOPMENT HISTORY

C.C.P. DEVELOPMENT HISTORY



Company Overview | Footprint



C.C.P. has been supporting tier one businesses and companies globally.



Factory Dongguan Overview

C.C.P. CONTACT PROBES
(DONGGUAN) CO., LTD.



Overview

It was established in 2001	
Product Type	R&D Center; POGO PIN Product
Production Capacity	POGO PIN: 30 Mil pins/month
Factory Area	12000 m²
Factory employees	300 employees
Location	No.10 Avenue, Humen Town, Dongguan City, Guangdong Province
Floor info #1 Building	
1st Floor	Lathing Production Line
2nd Floor	Office and RD Center
3rd Floor	High Speed Cable Production Line
4th Floor	High Speed Cable Production Line
5th Floor	POGO PIN Clean room Automatic Production Line
6th Floor	Lab
Certifications	
IATF 16949:2016、ISO 45001、ISO 14001:2015、IECQ QC080000 ISO 13485、ISO14064、ISO 9001:2015	



Factory Ma'anshan Overview

Ma'anshan Guande Electronic Technology Co., Ltd.

Overview		
It was established in 2020.		
Product Type	Magnesium Alloy Products	
Production Capacity	Laptop Housings: 13,300 pcs/month Vehicle Center Control Panels: 21,500 pcs/month	
Factory Area	22,637 m²	
Factory employees	600 employees	
Location	No. 369 Changzhou Middle Road, Niandou Town, Dangtu County, Ma'anshan City, Anhui Province	
Floor info	#1 Building	#2 Building
1st Floor	Polishing Production Line	
2nd Floor	Warehouse	
3rd Floor	Assembly Line	CNC Machining Line Die Casting Line
4th Floor	Coating Line	
Certifications		
IATF 16949:2016、ISO 45001、ISO 14001:2015、IECQ QC080000 ISO14064、ISO 9001:2015		



Factory Fujian Overview

C.C.P. CONTACT PROBES
(FUJIAN) CO., LTD.



Overview

Started: 2022/7/1

Product Type	POGO PIN; Testing Probes; High Current; Medical & Industrial Application	
Production Capacity	POGO PIN: 150 Mil pins/month; TESTING PROBES: 4 Mil pins/month; High Current: 1.3Mil pins/month	
Factory Area	27000 m ²	
Factory employees	Now 700 employees	
Location	393 Jianxing Road, Jinjiang City, Fujian Province	
Floor info	#1 Building	#2 Building
1st Floor	IQC, Warehouse	Injection Production Line
2nd Floor	CNC Production Line	Lathing Production Line
3rd Floor	High Current Application Production Line	Connector module Assembly
4th Floor	Testing Probe production Line	Stretching & Secondary Processing
5th Floor	Pogo Pin Assembly Line	Reserved

Certifications

IATF 16949:2016、ISO 45001、ISO 14001:2015、IECQ QC080000
ISO 13485、ISO14064、ISO 9001:2015





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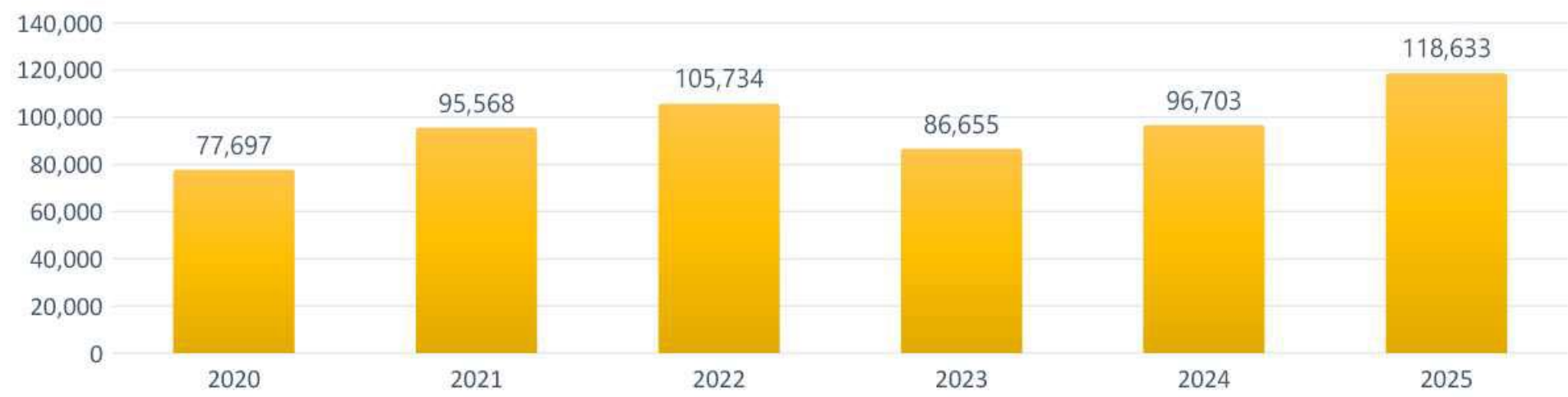
中核集团·核电·有限公司
CHINA NUCLEAR GROUP · NUCLEAR · CO., LTD.



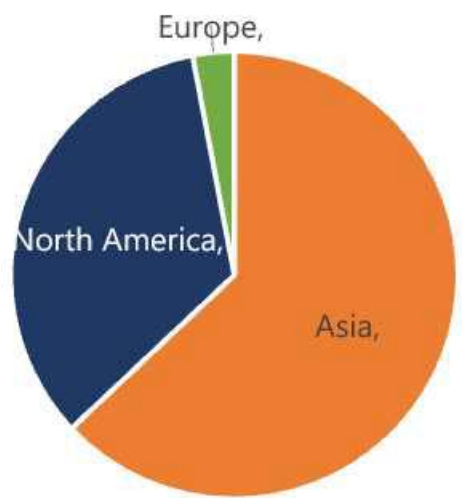


Revenue

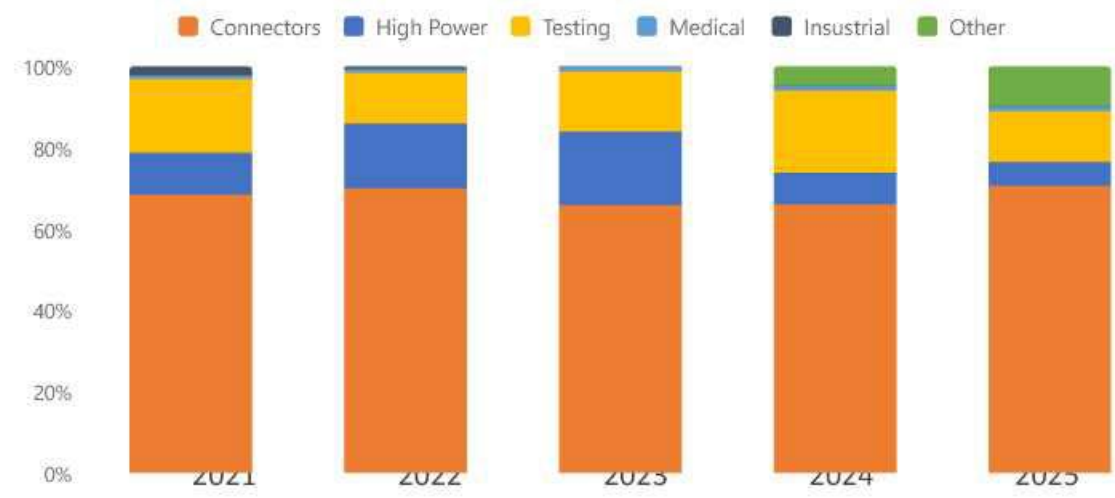
Revenue (\$USD, K)



Revenue by Region



Revenue by Product Line





Product Lines



Product Lines



Consumer

1A~13A

Pogo Pin Conn.
Waterproof Conn.
Magnetic Conn.



Testing

Fine Pitch

IC Testing Probe
PCB Testing Probe
Testing Socket



High Current

13A~250A

Electronic Vehicle
High Current Conn.



Magnesium

Cosmetic and
Structural part

Laptop Frame
Projector Housing
Vehicle Center C
ontrol Frame

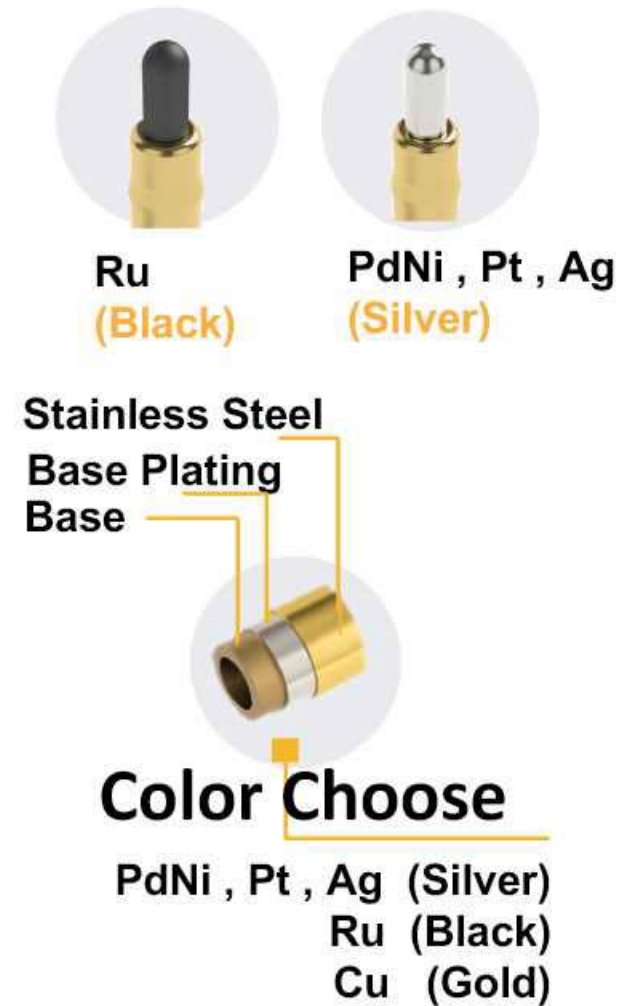
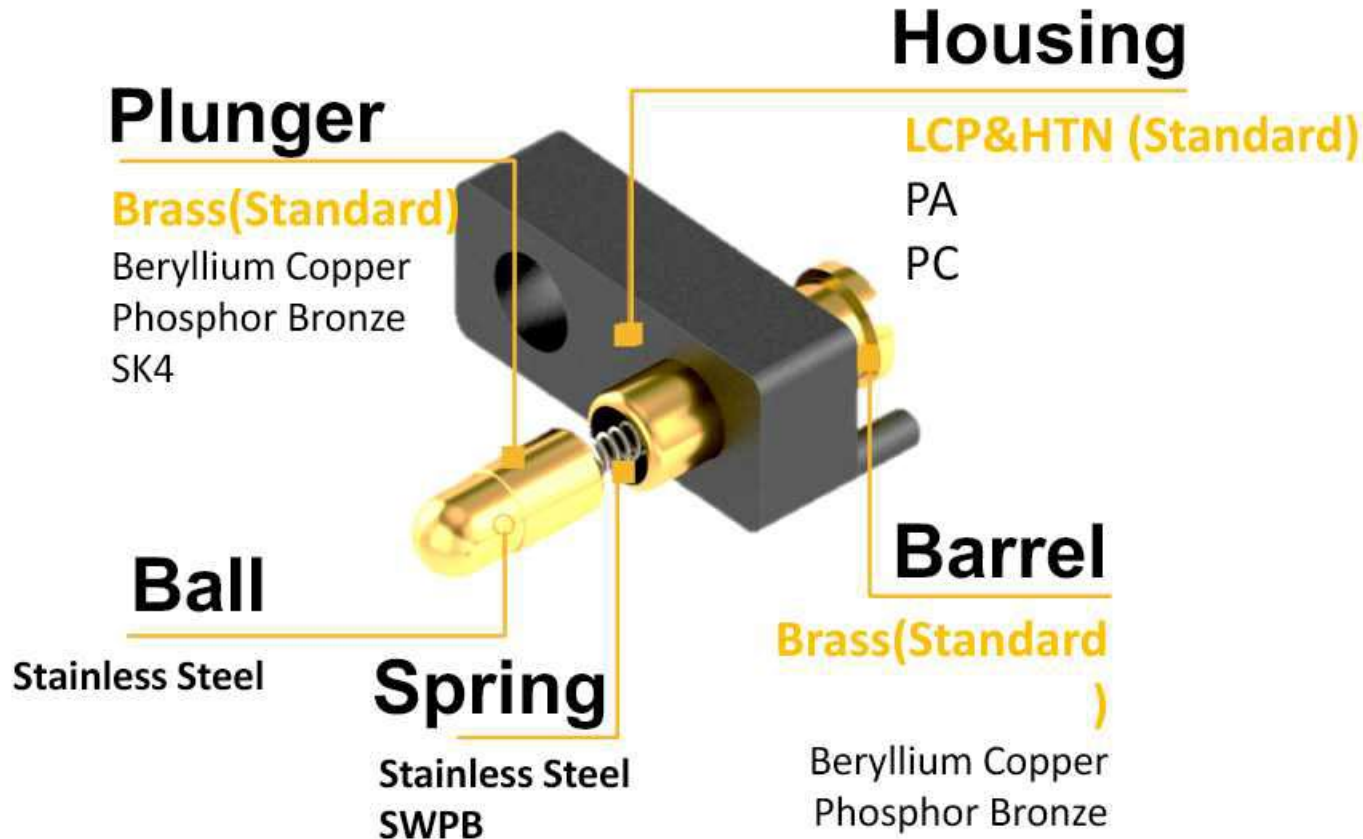


Cable

25Gbps~100Gbps

Server
Pogo Cable
Medical

Connector | Material & Structure Design



Connector | Waterproof & Magnetic



Magnetic Connector



Mobile Phone



Tablet Connector



Pencil



TWS Earbuds



Wearable Device



E-cigarettes



Handheld Device



Connector | Waterproof & Magnetic



Walkie Talkie



Industrial Computer



Monitor



Astro Home Robots



Pixel Tablet



Ring Smart Doorbell



Connector for AR&VR

The HMDs



Insert molding & Assembly

- Sweat **240h** resistant design

The Hand Held Accessories



Insert molding

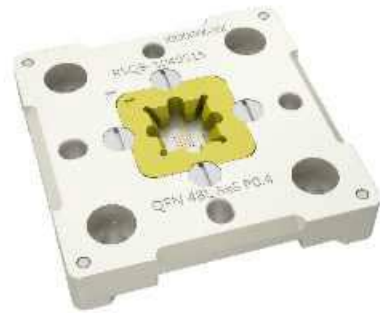
- Sweat **240h** resistant design



Product Lines | Testing



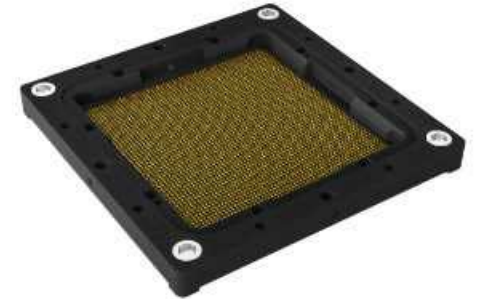
IC Package Testing



Burn-In Testing



High Frequency Testing



**Wafer Level
Package Testing**



Battery Testing



Memory Testing



Product Lines | High Power



EV Charging



Scooter Battery Exchange System



Photovoltaic Terminal and Inner Ports



Product Lines | Magnesium Product



Laptop Housing Case



Frame



VR Frame



Projector Housing



Vehicle Center Control Frame



Medical Frame



Connector | Pogo-Pin Cable & Cable Adapter



**VR Glass Charging
Cable**



**SMART Watch
Charging Cable**



**Medical Cable
Adapter**



**Medical Device
Adapter Cable**



**Medical Device
Battery Cable**



**High Frequency
Adapter**





Manufacturing Capability

1-Manufacturing Capability | Turning

CNC Workshop Overview



CAM Workshop Overview



Jinjiang
Factory

No.	Equipment	Accuracy (mm)	Quantity	Capacity (pcs)
1	CAM	0.005	100	26.0M/month
2	CNC	0.001	48	3.12M/month
3	Mikron	0.001	1	10.4M/month

Dongguan
Factory

No.	Equipment	Accuracy (mm)	Quantity	Capacity (pcs)
1	CAM	0.005	30	7.8M/month
2	CNC	0.001	11	1.36M/month
	Total		190	



Mikron



Multi Task Machine

2-Manufacturing Capability | Machining

Post Processing



Heat Treatment



Spring Machining



Micro Spring Tester



No.	Equipment	Accuracy (mm)	Quantity	Capacity (pcs)
1	Secondary machine	0.01	98	30KK/Month
2	Quenching furnace	SK4	1	Quenching furnace
3	Vacuum tubular furnace	BeCuPd Alloy	2	Vacuum Tubular Furnace

No.	Equipment	Accuracy (mm)	Quantity	Capacity (pcs)
1	MEC spring machine	0.02	1	520K
2	JD spring machine	0.05	16	80 KK/Month
3	Micro spring tester	0.001	2	/

3-Manufacturing Capability | Molding

Injection molding equipment:

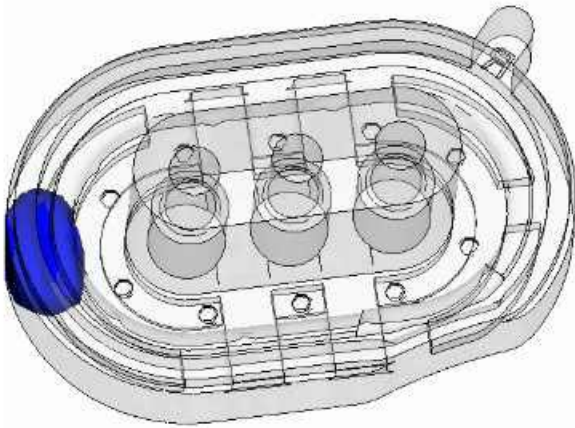


No.	Equipment	Tonnage (T)	Quantity	Capacity
1	Fanuc	50T	x2	338 K/month
2	Toyo	50T&100T	x5&x1	1014 K/month
3	Toyo	130T&230T	x1&x1	338 K/month
4	MultiTech	55T&120T	x4&x1	845 K/month
5	Jieertai	170T&230T&260T	x1&x1&x1	507 K/month
6	Yizhimi	200T	x2	338 K/month
7	Haitian	250T	x2	338 K/month
Total			22	3.72~7.45KK



4-Manufacturing Capability | Tooling

Mold flow analysis



Tooling processing



+GF+ Slow wire



+GF+ CNC



5-Manufacturing Capability | Stamping



- Stamping machine 40T - 80T x8 Base in Dongguan Factory
- Stamping machine 160T - 350T x13 Base in Ma'anshan Factory



No.	Equipment	Tonnage (T)	Quantity	Capacity
1	Ming-Shiuh	35T	2	K/month
2	Xian-Zhuo	45T	4	K/month
3	Xian-Zhuo	80T	1	K/month
4	SEYI	110T	1	K/month
5	SEYI	250T	1	K/month
6	Bote	110T	5	K/month
7	Wen-chong	160T-200T	6	K/month
	Total		22	

6-Plating

Full view of the production area



We have more than **15 years** of production experience in barrel plating. We are equipped with automated production line and online plating parameters monitoring system for process control. We are expertized in plating development and developed **a series of plating call "AP"** since 2016 to improve anti-electrolysis performance. **Capacity: 3000 lots/month**



Automatic degreasing

Automatic pre & post-treatment

Online monitoring

SEM

X-Ray Plating Thickness Tester

AAS



7-Manufacturing Capability | Assembly

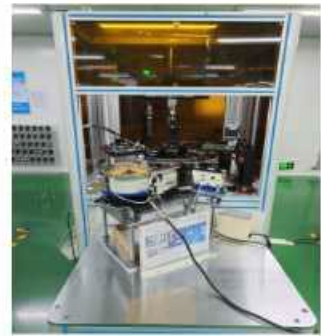
Jinjiang Assembly Workshop Overview



Dongguan Assembly Workshop Overview



Semi Automatic Production Line



Crimping machine

Pre-pressing machine

Resistance measuring

Spring force measuring

NG picking machine

AOI

Auto packing machine

Assembly Capacity 150KK/month.

8-Manufacturing Capability | Assembly



line copying plan to implement and replace labor-intensive production lines was launched.



Auto- assembly & inspecting.

Auto- reclamer

Auto- align components

Auto-Crimping

Fully inspecting the resistance

Spring Force inspected

9-Manufacturing Capability | Magnesium Semi-solid Die-casting



Workshop Overview



No.	Equipment	Tonnage (T)	Quantity	Capacity
1	JSW	280T	2	160K/month
2	Haitian	680T	2	80K/month
3	Haitian	700T	1	40K/month
4	Haitian	850T	1	40K/month
Total			6	



10-Magnesium Post-process | CNC Machining



No.	Equipment	Accuracy (mm)	Quantity	Note
1	LITZ	0.005	39	4 axis
2	Qiaofeng CNC	0.005	50	3 axis
3	Siborui	0.005	32	3 axis
4	Brother CNC	0.005	30	4 axis
Total			151	

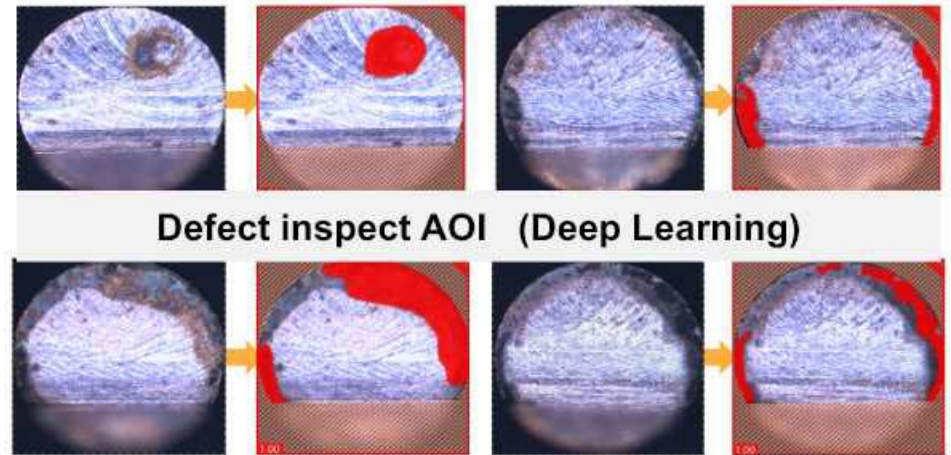
11-Manufacturing Capability | Inspection

Pencil B222 auto assembly line with cosmetic inspection AOI



AOI Device List

NO.	Equipment	Type/ Spec	Precision	Qty	Detectability
1	AOI	For all product	0.015	6	6k/h
2	AOI	For non-standard product	0.01	19	6~8K/h
3	DL AOI	Appearance defect inspection	0.01	22	10k/h
Total				47	

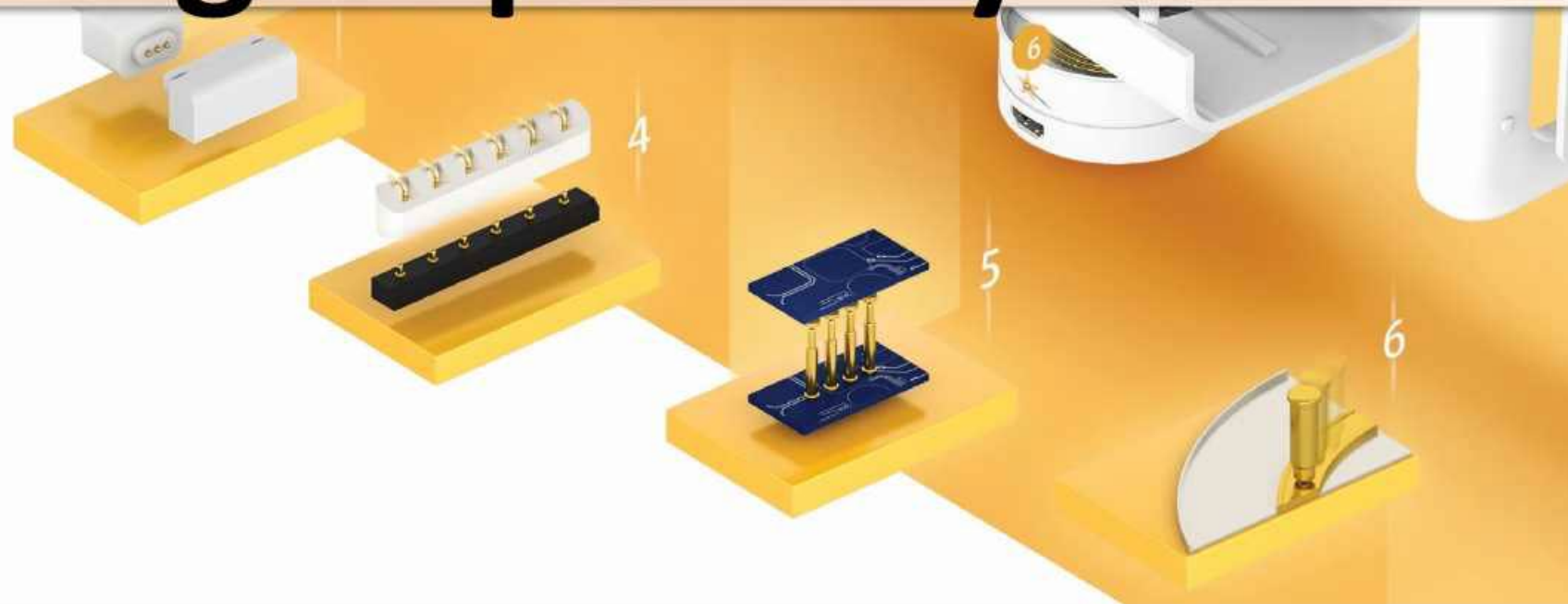


For high-quality inspection requirement of product dimension and appearance defect

- I. C.C.P has developed, customized, and implemented AOI for 360° cosmetic inspection.
- II. Deep learning system Co-developed with COGNEX.
- III. C.C.P has the capability to optimize and enhance on-market system.



Testing Capability



LAB Approved By CNAS

ISO 17025



China National Accreditation Service for Conformity Assessment
LABORATORY ACCREDITATION CERTIFICATE
(Registration No. CNAS L11301)

Dongguan C.C.P. Contact Probes Co., Ltd. Testing Center

(Legal Entity: Dongguan C.C.P. Contact Probes Co., Ltd.)

No.10, Nanmian Road, Nanmian Community, Humen, Dongguan,
Guangdong, China

is accredited in accordance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence to undertake the service described in the schedule attached to this certificate.

The scope of accreditation is detailed in the attached schedule bearing the same registration number as above. The schedule forms an integral part of this certificate.

Effective Date: 2019-10-09

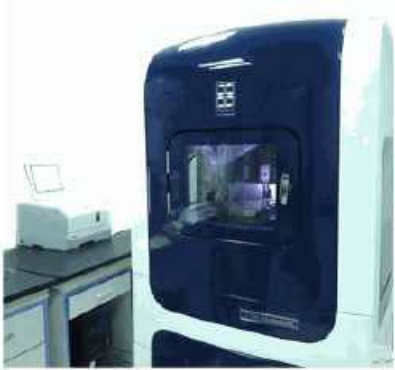
Expiry Date: 2024-08-16

Signed on behalf of China National Accreditation Service for Conformity Assessment

China National Accreditation Service for Conformity Assessment (CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CACA) to operate the national accreditation schemes for conformity assessment. CNAS is a signatory of the International Laboratory Accreditation Cooperation-Mutual Recognition Arrangement (ILAC MRA) and the Asia Pacific Accreditation Cooperation-Mutual Recognition Arrangement (APAC MRA). The validity of the certificate can be checked on CNAS website at <http://www.cnas.org.cn/english/index.html>.



Testing Capability | Advanced Equipment



Equipment	Nano indenter
Force sensitivity	< 30 nN
Manufacturer	Hysitron T950



Scanning electron microscope (SEM)
Max. magnification: 800 k X
Hitachi S-4800



White light interferometers
600 μm *200 μm
0.001 μm



CMM

3 Coordinate measurement machine
X = 300mm, Y = 200mm, Z = 200 mm
0.001 mm



X-Ray Machine
Max. magnification: 150x
Scienscope View X3000

Testing Capability | Test Equipment

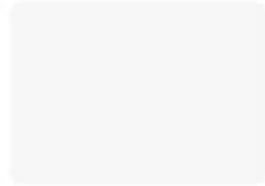
Electrical Performance

1. Network analyzer
2. VNA (Vector Network Analyzer)
3. High current power supply & Electronic load
4. Contact resistance tester
5. Safety comprehensive analyzer



Mechanical Performance

1. Automatic insertion force tester
2. RCA tape abrasion tester
3. Mechanical vibration/shock
4. Durability cycling machine



Environmental Testing

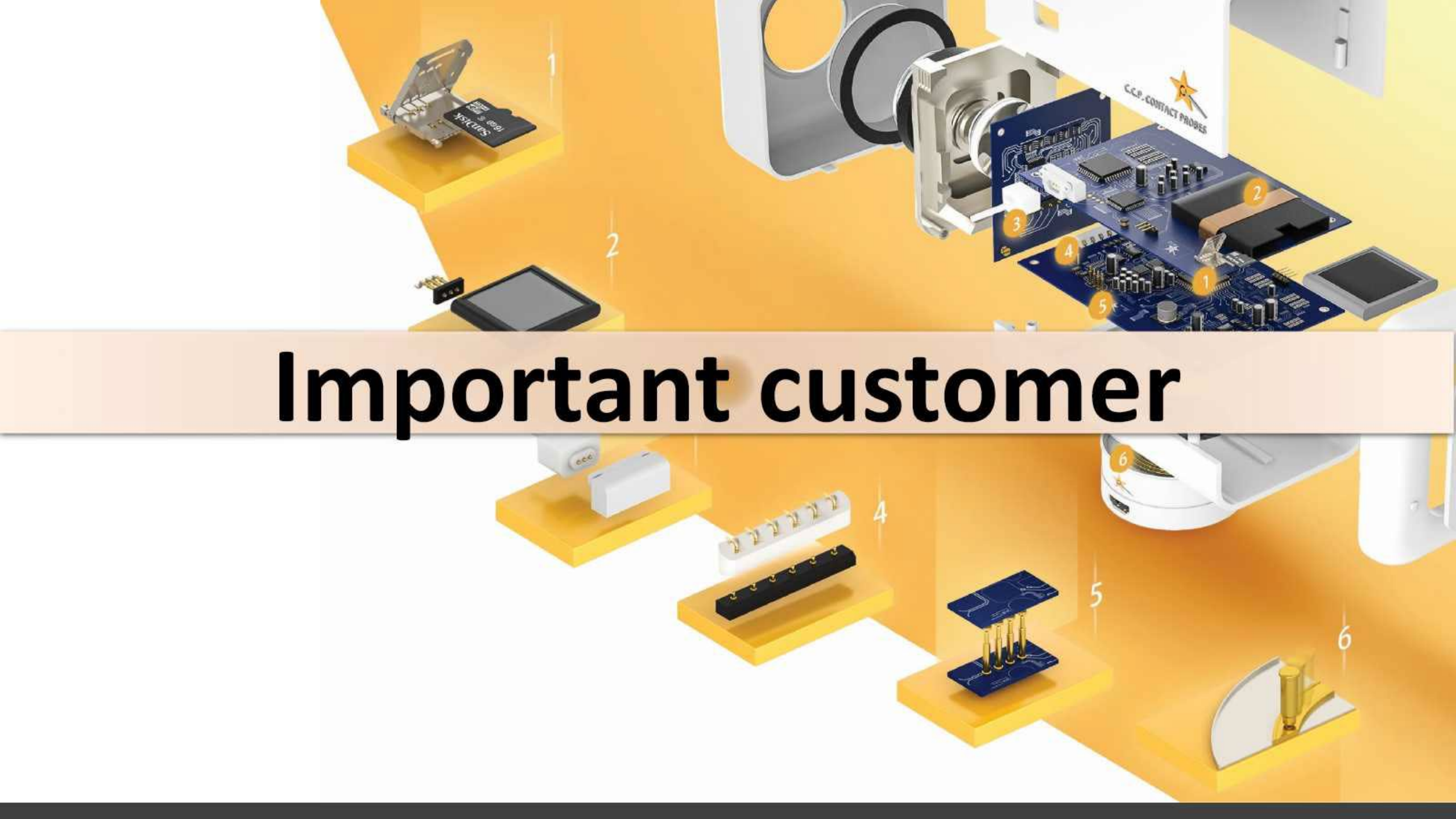
1. Waterproof test machine
2. Flush test chamber
3. Thermal shock test machine
4. Salt spray test machine
5. Temperature & humidity test machine
6. Oven



Other

1. Hot-Air reflow machine
2. 3D laser scanning microscope
3. X-Ray
4. Electrochemical workstation
5. Terminal cross section analyzer





The image is an exploded view diagram of a contact probe assembly, showing various components numbered 1 through 6. The components are arranged in a sequence from top-left to bottom-right. Component 1 is a small black PCB with a gold-plated contact. Component 2 is a larger blue PCB with various electronic components and a gold-plated contact. Component 3 is a small white connector. Component 4 is a white plastic housing with a gold-plated contact. Component 5 is a small blue PCB with a gold-plated contact. Component 6 is a small white plastic housing with a gold-plated contact. The background is a light orange gradient.

Important customer

Important customer



Meta

Google

Microsoft

amazon

HUAWEI

SAMSUNG

SONY

dji
大疆创新

Lenovo 联想

步步高 | 小天才

mi
xiaomi

小鹏

VINFAST

OLA

YAMAHA
雅马哈

gogoro

-chargepoint+

Star Charge
星星充电

Panasonic

LG

muRata
INNOVATOR IN ELECTRONICS



The image is an exploded view diagram of a probe station assembly, showing various components numbered 1 through 6. The components are arranged in a 3D perspective on a yellow background. The main assembly includes a probe head, a control unit, and a base. The probe head is shown in an exploded view, revealing internal components like a probe card and a probe tip. The control unit is a blue printed circuit board (PCB) with various electronic components. The base is a white plastic housing. The components are numbered as follows: 1. Probe card, 2. Control unit, 3. Probe tip, 4. Probe holder, 5. Probe card, 6. Probe tip. The text 'Corporate Culture' is overlaid on the center of the image.

Corporate Culture

Corporate Culture

The mission of C.C.P. management team is to make **accomplishment of Educational Fund** for Employees' Children from kindergarten to university. This is according to the decision by 2015 C.C.P. Board of director meeting.



Employees' home visit



Summer camp for employees' children



The Education Fund for employees' children





THANK YOU!