



**ANGEL**  
**ELECTRONICS**

**MST**  
Multiserve Technology Co., Ltd.

***Your reliable Contract Manufacturing Service Provider***



恩捷電子

ANGEL  
ELECTRONICS



坤盟科技

Multiserve  
Technology

Company Profile

Capability & Technology

Footprint

Market Share



Content



關於恩捷電子

品質第一、以客為尊；  
品質第一：沒有品質，就沒有市場；  
以客為尊：客戶滿意是我們全體員工最高榮耀。

★ Established in 1985

★ GM: Peter Chen

★ Location: New Taipei City

★ Employees: 153

★ Production floor space: 5000 m<sup>2</sup>(1500 ping)  
New factory complete in 2026, 9,000m<sup>2</sup> (2700 ping)

★ ISO Certification:  
ISO 9001:2015  
ISO 14001:2015  
ISO 13485: 2016  
IATF 16949:2016





President



GM



# Human Organization



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We endeavor to provide the best service and insist on the best quality from supply chain management, manufacture, quality control to delivery on time for our customers.

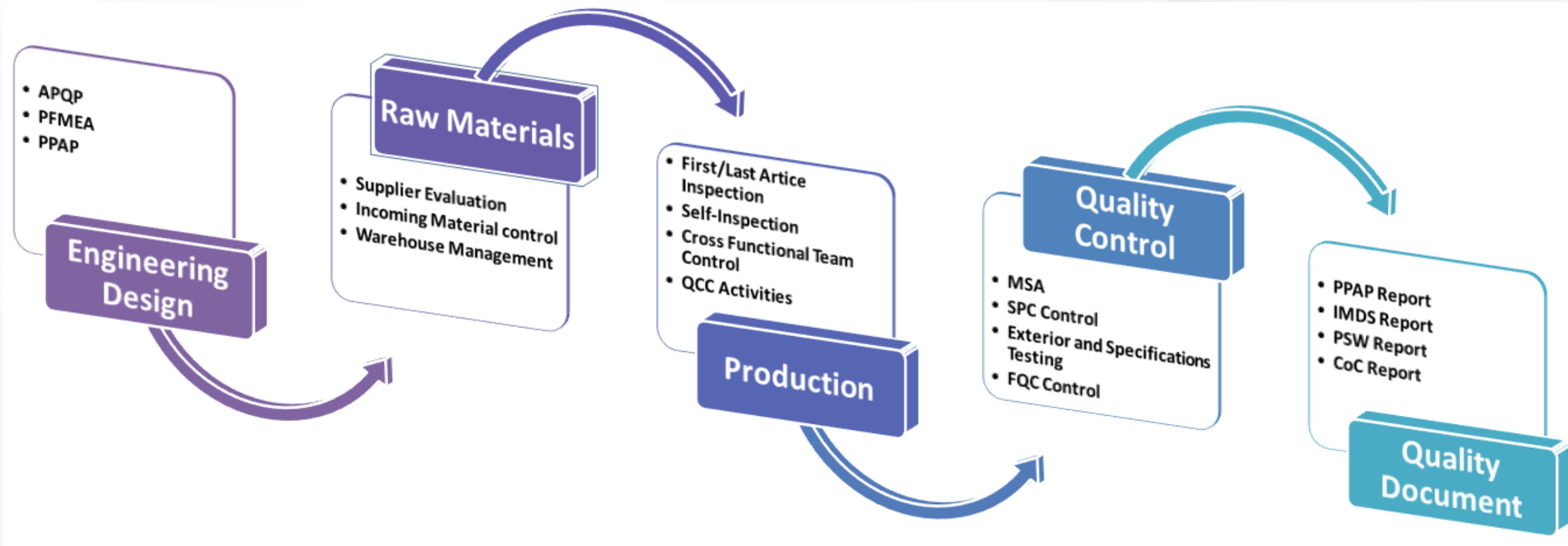
- EMS - Electronic manufacturing service
- CMS - Contract manufacturing service
- Full Turn-Key manufacture
- System build and integration
- SMD Assembly
- BGA Assembly with X-Ray inspection
- PTH - Through-hole assembly
- Selective Conformal coating & Potting
- Lead-Free assembly
- Rapid quote
- Rapid prototyping
- PCB fabrication
- Harness/Cable assembly
- Raw material/Component Sourcing
- Cost reduction program
- High-Mix-Low volume manufacturing



 **Full Service Package**

**關於恩捷電子**

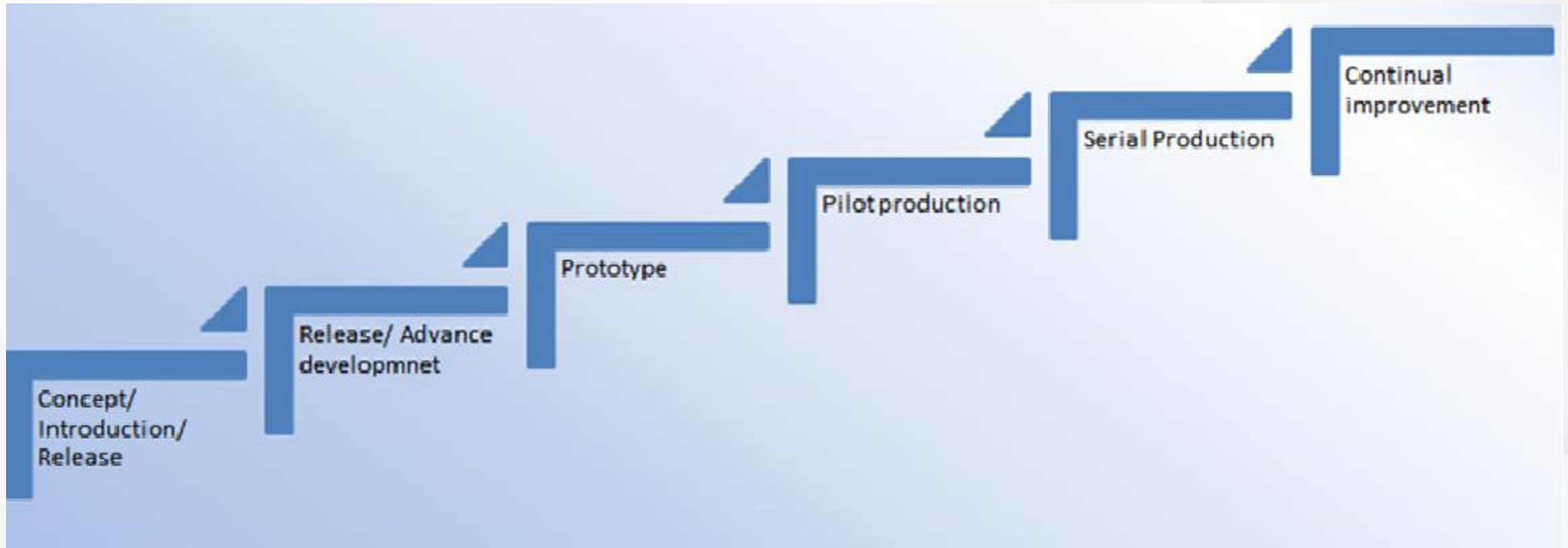
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# Control Frame

## 關於恩捷電子

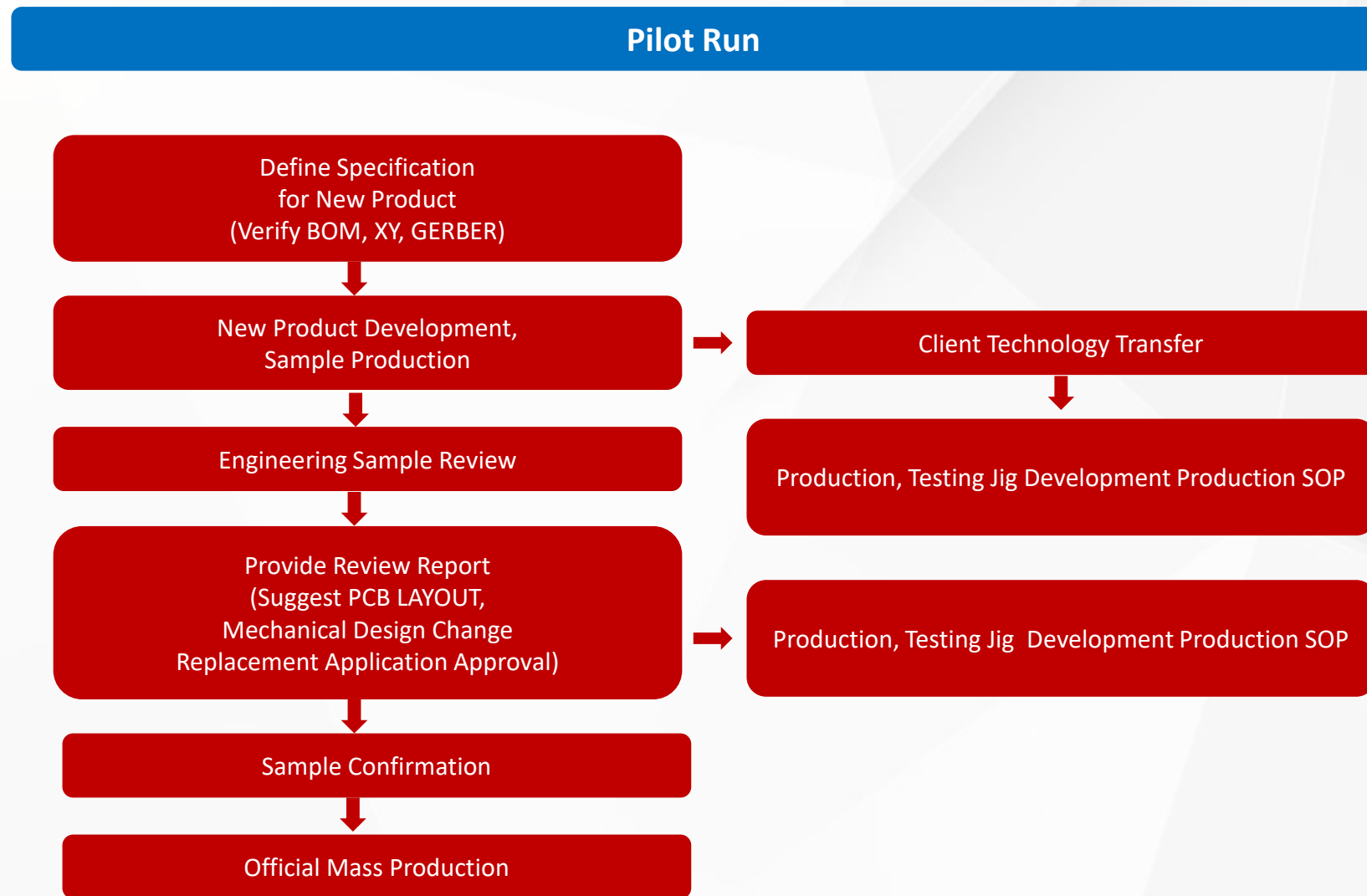
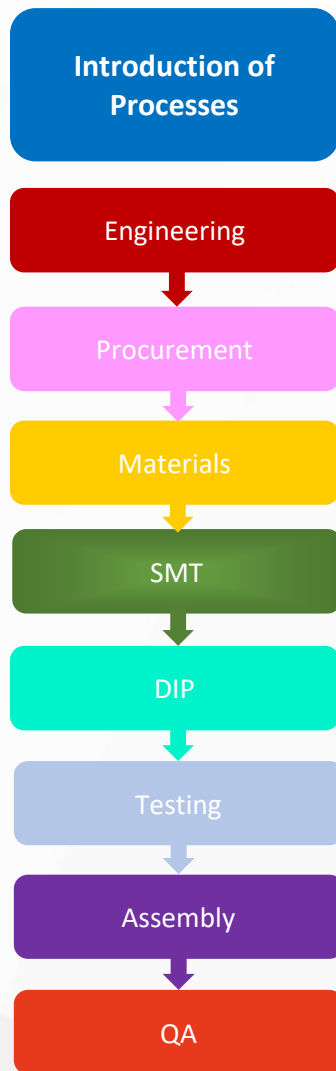
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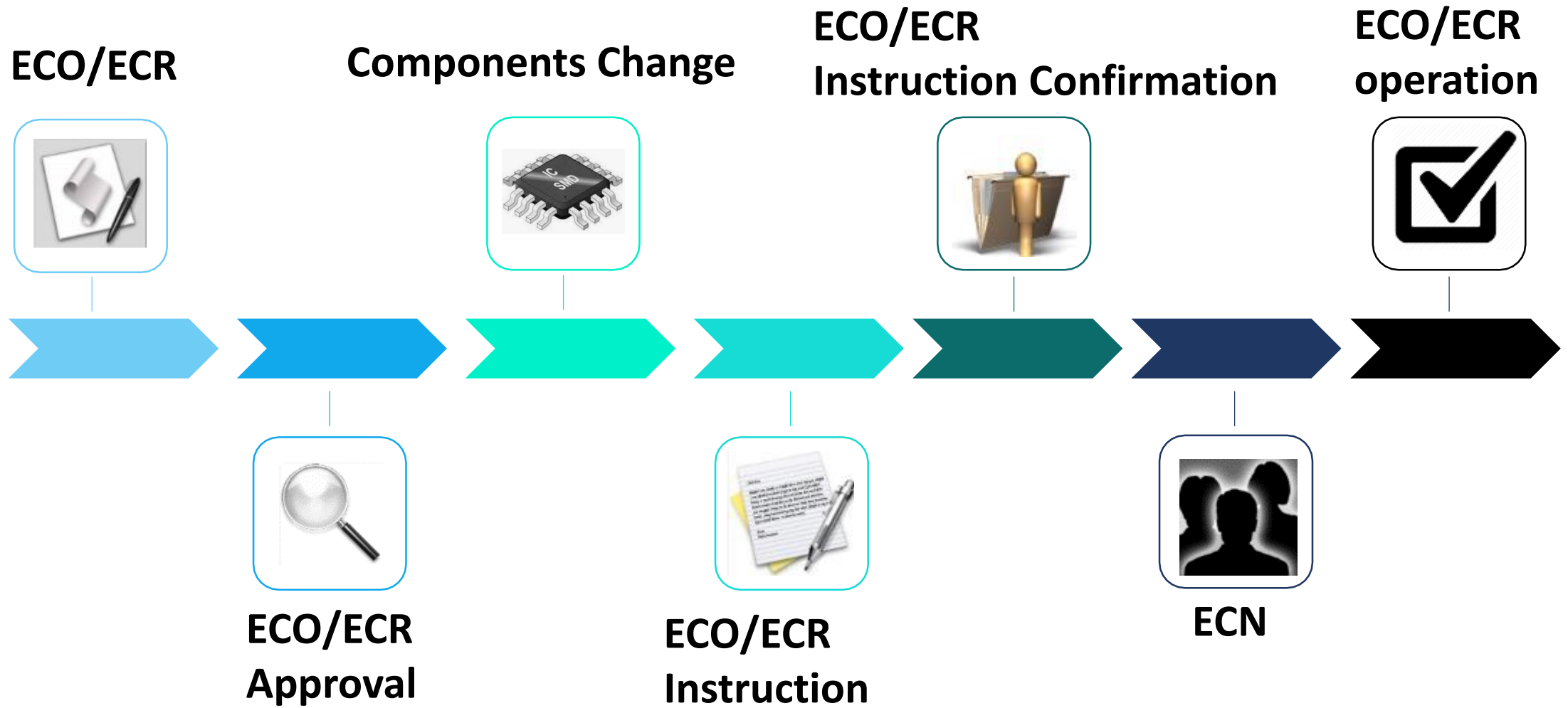
## Product Development

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Documents change must be approved by the customer and MST before the process.

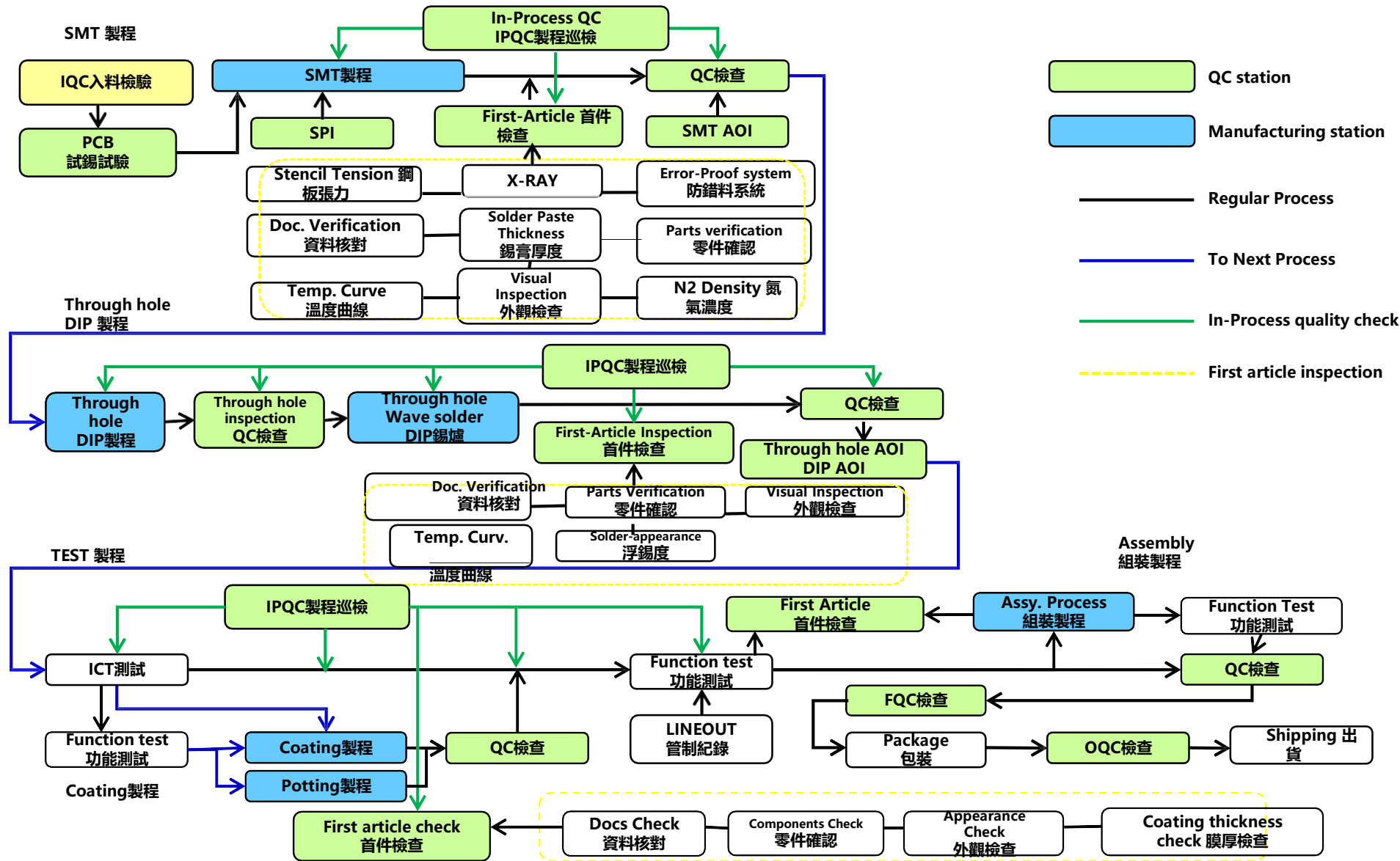
1. Strategic Sourcing: Collaborates with a global network of suppliers for lowest material costs, best quality, and on-time delivery.
2. Supplier Relationships: Treats suppliers as assets, emphasizing stability in partnerships.
3. Supply Chain Management: Views effective supply chain management as crucial to EMS success.
4. Performance Evaluation: Periodically assesses suppliers based on quality, cost, delivery, and flexibility.
5. Continuous Improvement: Uses supplier performance evaluations to update strategies and implement improvement plans.



# Components Procurement

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✓ **SMT (3 lines)**

- **YAMAHA  $\Sigma$ -G5S2 + YAMAHA  $\Sigma$ -G5S2 + YAMAHA  $\Sigma$ -G5S2**
- **YAMAHA  $\Sigma$ -G5S + HITACHI  $\Sigma$ -G5**
- **HITACHI  $\Sigma$ -G5 + HITACHI  $\Sigma$ -G5**
- **Double-sided processes/ Precision 01005 / Capability 477,500 spots/Hr**
- **IGS Nitrogen Generator**

LINE	BRAND	MODEL	PRECISION (Chip)	CAPACITY (Hr)
1	Yamaha	$\Sigma$ -G5S2 + $\Sigma$ -G5S2 + $\Sigma$ -G5S2	01005	234,500 Chip
2	Yamaha/Hitachi	$\Sigma$ -G5S + $\Sigma$ -G5	01005	121,500 Chip
3	Hitachi	$\Sigma$ -G5 + $\Sigma$ -G5	01005	121,500 Chip

## ✓ **Through Hole** (1 line)

- **Double waves soldering machine**

Maximum width 500mm. None-clean process.

- **Auto spot welding machine** (4 stations )

Effective working area (X/Y) :500x500mm.

- Hand soldering skill certificated by Japan customers & updated regularly.

## ✓ **Assembly** (3 lines)

## ✓ **Burn-In Room** (2 rooms)

- 4x6M, 3x5M, the highest temperature: 90° C average +/-3° C

## ✓ **Conformal Coating** (3 lines)/**Potting** ( dispenser)

- PCB Size:500\*500mm/coating area:420\*320mm(PV6000\*2)
- PCB Size:650\*650mm/coating area:476\*575mm(PV Delta 8\*1)
- Variety of coating materials (Acrylic, silicon etc.)




























## ✓ **ESD protection & moisture control for components**



- **AOI (Automatic Optical Inspection)**
- **ICT (In-Circuit-Test)**
- **SPI (Solder Paste Inspection)**
- **Function Test Tools**
- **X-Ray Inspection**
- **Custom Function Test Tools**





# Staff Ability Certification

恩捷電子股份有限公司													
職能現況一覽表													
項次	姓名	技能項目	工序別										
			1	2	3	4	5	6	7	8	9	10	11
			插件	組裝	SMT機台操作	迴焊爐操作	AOI操作	手焊錫能力	品管規範(QC人員)				
1	 000094	柯宗興											
			2	2	4	4	2	3	3	0			
2	 000100	蔡源德											
			2	2	4	4	2	2	3	0			
3	 000095	莊惠玲											
			2	2	1	1	3	3	3	0			

恩捷電子股份有限公司													
職能現況一覽表													
項次	姓名	技能項目	工序別										
			1	2	3	4	5	6	7	8	9	10	11
			插件	組裝	手焊錫能力	品管規範(QC人員)	電動起子操作與量測	裁板機操作	點膠機操作	整料機台操作	錫爐、噴霧機調整操作	ICT操作	
1	 000062	張美嬌											
			2	2	2	3	2	2	2	1	0	1	0
2	 000394	陳慧君											
			2	2	2	2	2	2	2	1	0	1	0
3	 000102	黃語淳											
			2	2	2	3	2	2	2	2	1	1	0

# SMT



**SMT Equipment**



**Components Verifying System**



**Nitrogen Generator**



**X-Ray Inspection**



**Stencil Cleaning**



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# The Others Process



**Through Hole**



**Electric Function Test**



**Conformal Coating**



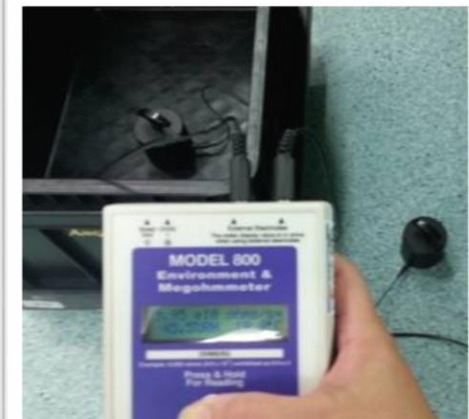
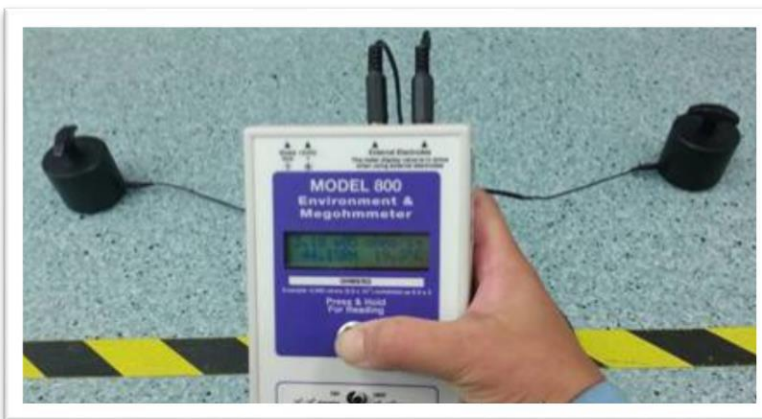
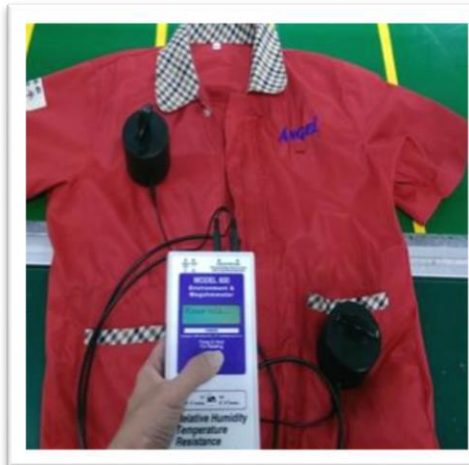
**Potting**



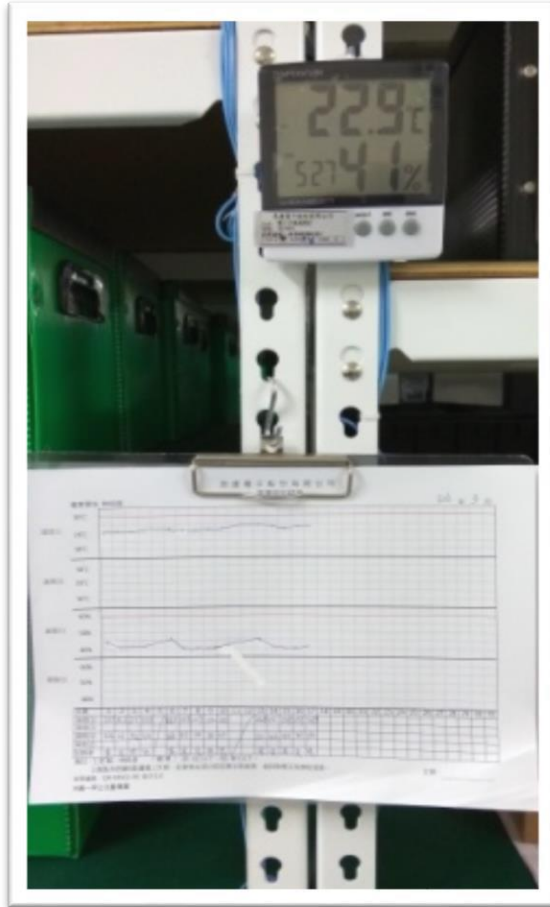
**Burn-In**



# ESD Protection

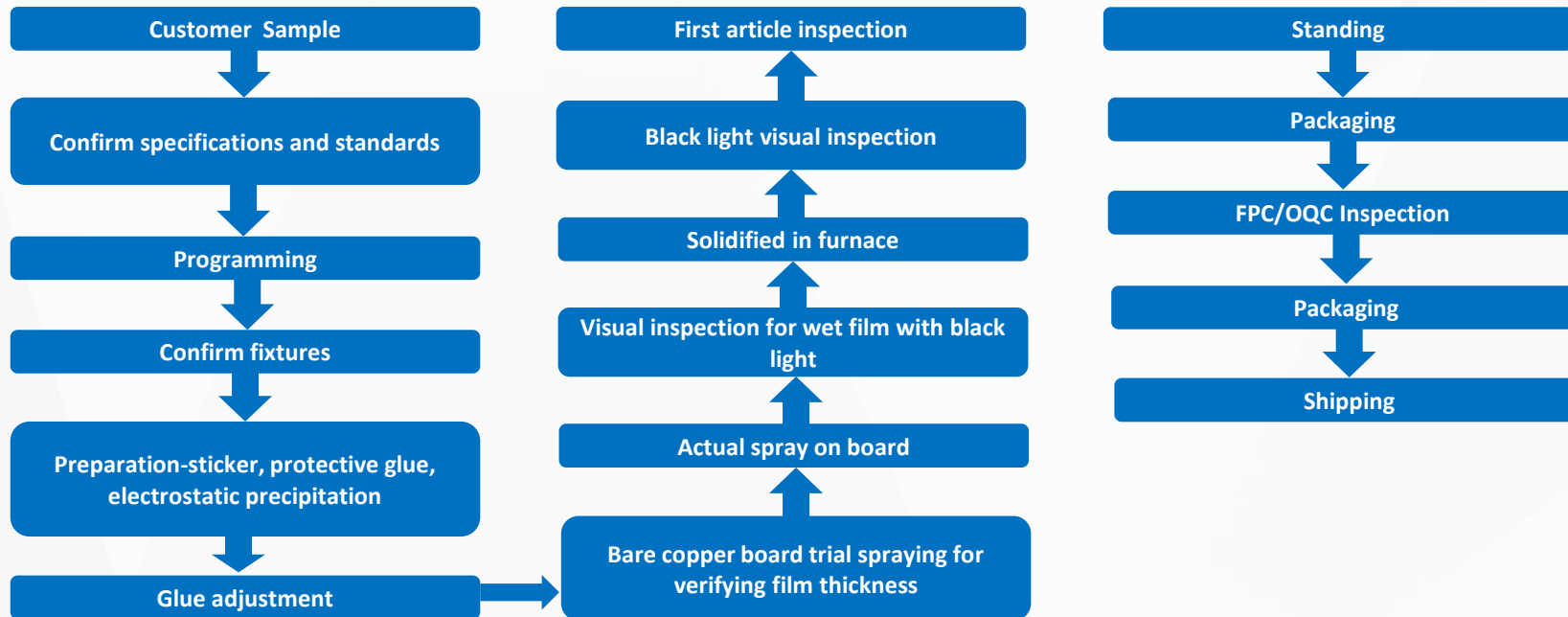


# Temperature & Moisture Management



1. Protection Against Environmental Factors: Offers Conformal Coating to safeguard electronic devices from water, moisture, dust, chemicals, and harsh environments, ensuring stability.
2. Automated Production Line: Utilizes PVA coating machines to automate production, reducing labor-intensive processes.
3. Enhanced Productivity: Automation enhances productivity and ensures consistent quality.
4. Competitive Advantage: Provides customers with competitive advantages in the market through advanced coating technologies.

#### Conformal Coating Processes



## Conformal Coating & Potting

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MACHINE	BRAND	MODEL NO.	QTY	REMARK
Nitrogen generator	IGS	NHS-150	1	60 Nm3H, 99.99%
Stencil Cleaning machine	OKI	ACT-100	1	
Auto solder paste printing machine	EKRA	XPRT 5	1	PCB Size:460*460mm
Auto solder paste printing machine	YAMAHA	YCP-10	1	PCB Size:510*460mm
Auto solder paste printing machine	GKG 凱格精機	GLE	1	PCB Size:510*510mm
3D SPI Solder Paste Inspection machine	VCTA 振華興	V860L	1	PCB Size:510*460mm
3D SPI Solder Paste Inspection machine	VCTA 振華興	V850	1	PCB Size:400*330mm
High speed mounting machine	HITACHI	Σ-G5	3	Plus 2 tray carts
High speed mounting machine	YAMAHA	Σ-G5S	1	
High speed mounting machine	YAMAHA	Σ-G5S2	3	Plus 1 tray cart
Reflow oven	YuanXing 圓星(皇迪)	YX-LFHACRF	2	20 districts
Reflow oven	YuanXing 圓星(皇迪)	HD-NAACRF	1	16 districts
X-RAY	SHIMADZ 島津	AMX-1000 PLUS	1	Inspection Analysis

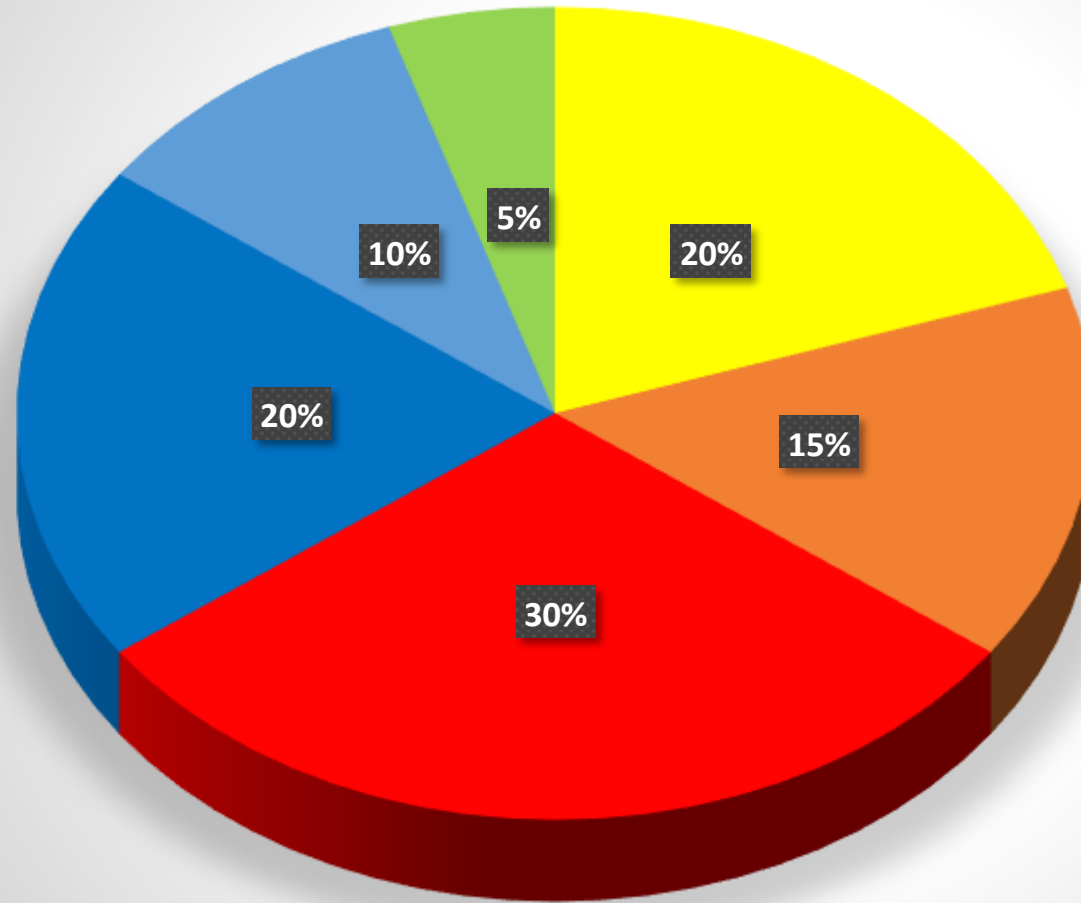
MACHINE	BRAND	MODEL NO.	QTY	REMARK
AOI	TRI 德律	TR7700L SIII DT	3	Plus inspection/repair station PCB Size:510*460mm
Non-RoHS paste oven	JyiDiann 吉電	JT-18065312OTHL	1	Double sides process
				W:500mm
Sprayer Plug-in model	Xin Champion薪誠 彬	CP-699-2SF	1	W:520mm
Desktop auto soldering robot	EVERPRECISION 禾宇	EP500-SR	2	Effective working area(X/Y) Size:500*500mm
Desktop auto soldering robot	EVERPRECISION 禾宇	EP2500-SR	2	Effective working area(X/Y) Size:500*500mm
PCB separator Cut machine	ELITE 億立	ER7000	1	Double slide table.
				Max working range on one side (W*D):400*400mm
ICT	TRI 德律	TR-518FR	3	Plus Test Jet
BGA rework station	FONTON 弘騰	BGA 936USB	1	BGA repairing
Burn-in room	DESK-TOP 德思達	4*6M	1	Heating, burn-in, baking The highest 90°C average +/-3°C

MACHINE	BRAND	MODEL NO.	QTY	REMARK
Offline AOI	EVERWIN 永盈	V8 XL Offline	3	PCB Size:650*510mm
Coating/Dispensing System	PVA	PVA-6000	2	PCB Size:500*500mm Work area:400*320mm
Coating/Dispensing System	PVA	Delta 8	1	PCB Size:650*650mm Work area:476*575mm
XYZ ROBOT	SUNNICO 瞬利	SD-3400	4	Programmed glue process Suitable for variety of needles/glues Work area:400*400mm
3-Axis Automated Glue Dispensing Robot	LIHSI 立璽	LH-552T	6	Programmed glue process Suitable for variety of needles/glues Work area:500*500mm
4-Axis Automated Glue Dispensing Robot	LIHSI 立璽	LH-552RT	1	Programmed glue process Suitable for variety of needles/glues Radius is 360°adjustable Work area:500*500mm
IR Reflow	YuanXing 圓星	YX-H2500	1	Dryer for coating L:2.5M
IR +UV Reflow	YuanXing 圓星	Custom model	1	Dryer for Conformal coating & UV coating L:4.5M
UV Reflow	立昕	Custom model	1	Dryer for UV coating L:2M
Burn-in Room	DESK-TOP 德思達	3*5M	1	Heating, burn-in, baking The highest 90°C average +/-3°C

1. Significant impact: Partnering with Tier1 leaders to manufacture ECU module for global giants such as FCA (USA), INEOS (UK), Toyota & Mazda (Japan), ISUZU (Thailand), and Vinfast (Vietnam), actively co-developing advanced solutions.
2. Global Supply Chain Integration: Our integrated supply chain network ensures seamless logistics and facilitates timely delivery of components, supporting agile manufacturing processes.
3. Quality Assurance Excellence: MST upholds rigorous protocols to ensure products consistently meet or exceed industry standards and customer expectations.
4. CSR(Corporate Social Responsibility): Prioritizing employee safety, welfare, and local hiring, with a substantial number of long-serving staff exceeding 10 years.



## Market Share



- Automotive
- Medical
- Electromechanical
- IPC
- Consumer Electronics
- Communication



# Product Application

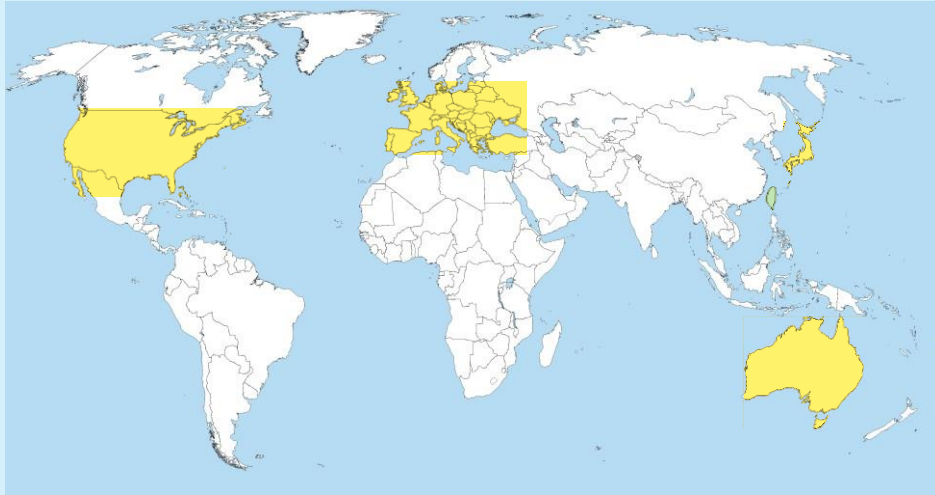
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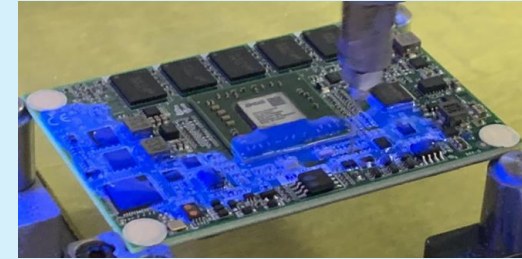
## Clients around the world

- America: USA
- Asia: Taiwan, Japan
- Europe : Germany, Belgium
- Oceania: Australia



## Variety of products

- Storage devices, Network accessories, Communication Control equipment, Medical appliances, POS (Point of Sale), Gym equipment, IPC, Automobile accessories, and etc..



1. Motherson Group(Lumen): Automotive Electronics components(ECU,Headlight)



2. Toshiba(Japan): Substation(Power Transformers)

**TOSHIBA**

3. OKI(OKI Electric Industry Co., Ltd./Japan): Substation(Power Transformers)

**OKI**

4. Renesas(Japan): MCU/Amplifier

**RENESAS**

5. NCR Financial(UK & Canada): ATM



6. CRU(CRU Data Security Group/USA,Canada): Removable Drive



7. AGI(Aristocrat Gaming Industries/Australia): Gaming Machine

**ARISTOCRAT**  
GAMING

8. PayRange(Portland/USA): BluKey PayStation



9. Inventec Corporation(Taiwan): Notebook & Server

**Inventec**

10. IBASE Technology Inc(Taiwan): IPC

**IBASE**



# Global Customers

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# Angel New Factory- Xinzhuang



## New building info

**(1)Location: No. 263-16, Jianguo road,  
Xinzhuang**

**district, New Taipei city.**

**(2)Gross floor area: 9000 square meters**

**(3)Floors: RC construction  
8 floors above ground 3 basement levels**

**(4)Ground breaking date : Jan. 12, 2023**

**(5)Complete date : Q4, 2026**



Taiwan TaoYuan International Airport  
(TPE)



30 MINS



30 MINS



Taipei SongShan Airport  
(TSA)

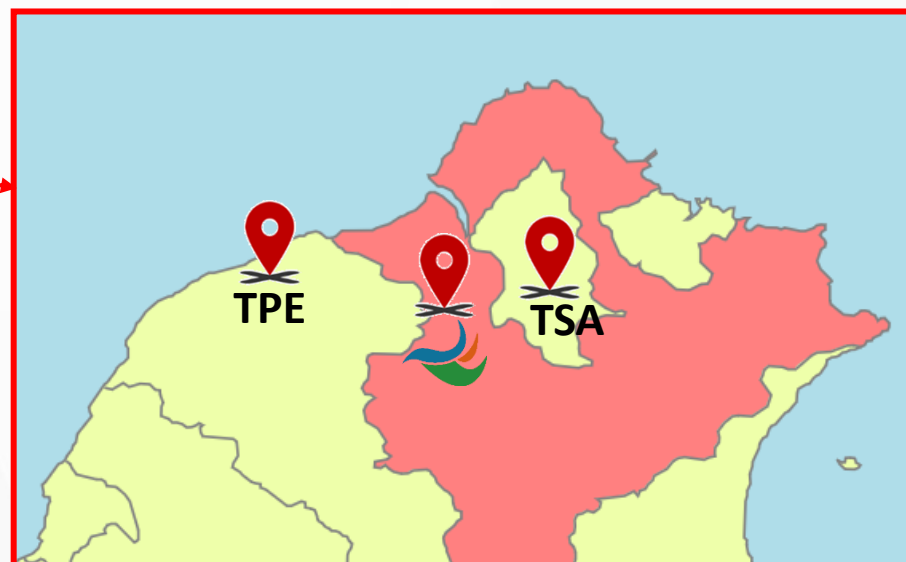


5-10 MINS



Taishan Guihe

A6



## Location & Traffic

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— Thanks for your attention —

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