

## XiaMen city plus Innovation

= XMINNOV

**Never Forget Why We Started,** 

Focus on Innovation and Move Forward



## **Stock Code: 430525**





# **Factory Overview**

Worker: 800+ / Engineers: 150 + /Sales: 30+

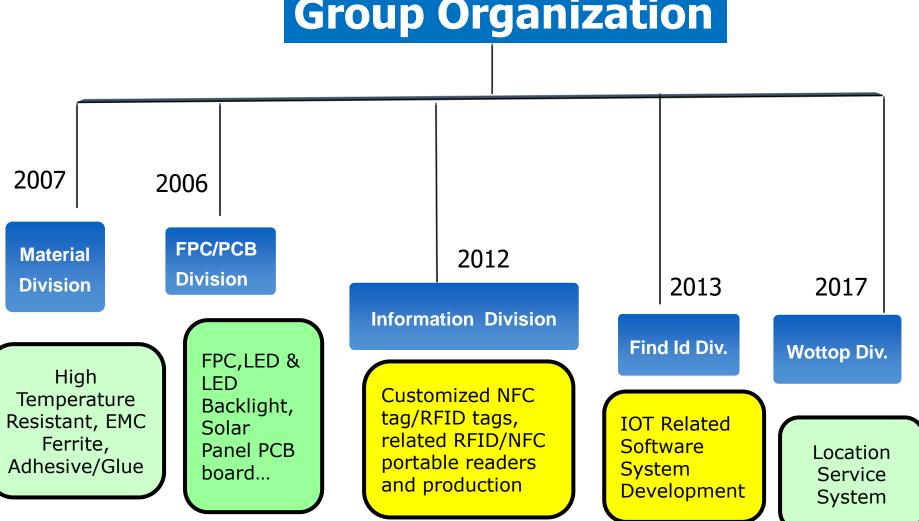
Office: 2400Sqm\*6floors = 14400 Sqm.

Factory: 48000 Sqm. (including old plant)











## **Brief of XMINNOV**

XMINNOV Group was established in 2006 in Xiamen city of China. Focusing on producing innovative RFID/NFC products basing on customized needs, has more than 5 subsidiary-companies whom are holding different parts of business in supporting in between, such as raw materials manufacturing of PI/PET/Paper/glue; PCB/FPC/Antenna Manufacturing; Digital Devices/Hardware; Software Development; Automatic Production Line Manufacturing and so on

With excellent R & D technical team, Complete Test Instrument and Production line, ISO Specific Quality Management System, which helps XMINNOV provide one stop service for all the needs, basing on their rich experience, they have more than 100 intellectual property rights of RFID, NFC and related Equipment and increasing of more than 20 patents each year, their products was patented & exported to many countries such as USA, Japan, Korea, Turkey, Brazil, Peru, Serbia, France, Germany, Malaysia, India, Philippines, Italy, Mexico and so on.



## **Authoritative Membership**

- Certified as "Xiamen RFID/NFC Tag Engineering Technology & Research Center"
- Published "National GB Standard of RFID Pallet Identification" in China.





- Certified as Fujian province "Hundred Talents
   Plan" talent Innovation Enterprise
- Certified as National High-tech Enterprises
- Certified as Xiamen city InnovativeDemonstration Enterprises
- Certified as Xiamen Expert, Specialized and Peculiar new Enterprises



## **Professional Team**

<ul> <li>Digital Circuit Design Engineer</li> </ul>	5+
<ul> <li>Analog Circuit Design Engineer</li> </ul>	28+
• Layout Engineer	15+
RF Design Engineer	14+
Firmware Engineer	5+
<ul> <li>PC/Android/iOS Software Engineer</li> </ul>	8+
<ul> <li>Molding Engineer</li> </ul>	11+
<ul> <li>Structure Design Engineer</li> </ul>	4+
<ul> <li>Process Optimization Engineer</li> </ul>	4+
<ul> <li>Tooling Engineer</li> </ul>	6+
<ul><li>Qualifying/Test Engineer</li></ul>	10+
Fauipment Maintenance Engineer	15+



## **Patented Products**

All products XMINNOV produced are connected to their patents including RFID & NFC, NFC parts of intellectual property right was issued on March 14, 2013, consider International PCT, their patents were available not only China, but also United States, South Korea and

Japan and so on.

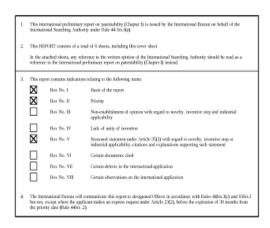
#### PATENT COOPERATION TREATY

#### PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Toroty)

(PCT Rule 44bis

Applicant's or agent's file reference \$400AP20620	FOR FURTHER ACTION	See item 4 below
International application No. PCT/CN2013/072562	International filing date (dephanth/year) 14 March 2013 (14.03.2013)	Priority date (day/march/year) 07 August 2012 (07.00.2012)
International Paseus Classification (R See relevant information in Porm	h edition unless older edition indicated) PCT/ISA/237	
Applicant XIAMEN INNOV ELECTRONICS	CO., LTD	







2/2



# **Quality & Management System**

ISO14001;ISO9001; ISO27001;ROHS, as well as customized certification & annual technique audit by customers









## **Customer QC Flow Chart**

We provide Quality Inspection Report for each piece of RFID tag & NFC tag according to customer request, in order to be more efficiency in later uploading.





### **Development Chart**







Simulation



Measure & Verify



Analyze & Design



**Sample Preparation** 



Sealed Sample & SPEC Releasing



# **Facility Overview**

One-stop service started from development, antenna design, raw material, etching, flip-chip, die cutting, encoding to QC the finished products

All production line equipped with robots or automatic parts in order to avoid operator's mistake.













# Complete Production Line In House



#### **Production FlowChart**



1.Raw Material



2. Antenna



3. Flip Chip



4. Lamination



5. Die Cutting



6. QC Verification



7. Encoding (including barcode Serial printing)

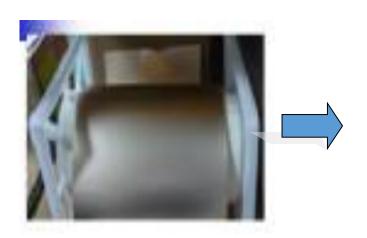


8. QC



#### **Workflow For Conduct Raw Material**

Raw substrate





**Coating film** 





Small tape of Material ready for next use





**Spitting Line** 



#### Antenna Workflow – Quickest Lead Time Expected

**Core technologies**: film exposure, Roll To Roll etching technology, realize RFID antenna precision, smooth antenna, no obvious jagged shapes.

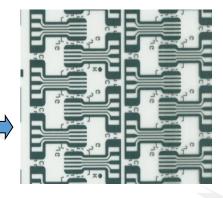


**Conduct Raw Material** 



Photosensitive dry film

**Pattern Film** 









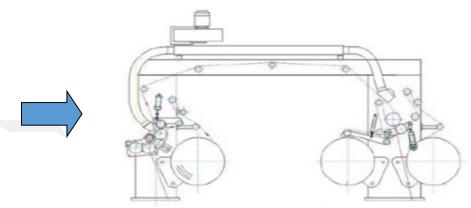
**Exposure** 



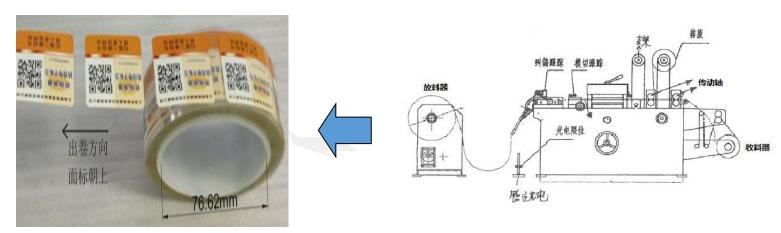
#### **Label Production Workflow**







**Converting/Lamination** 



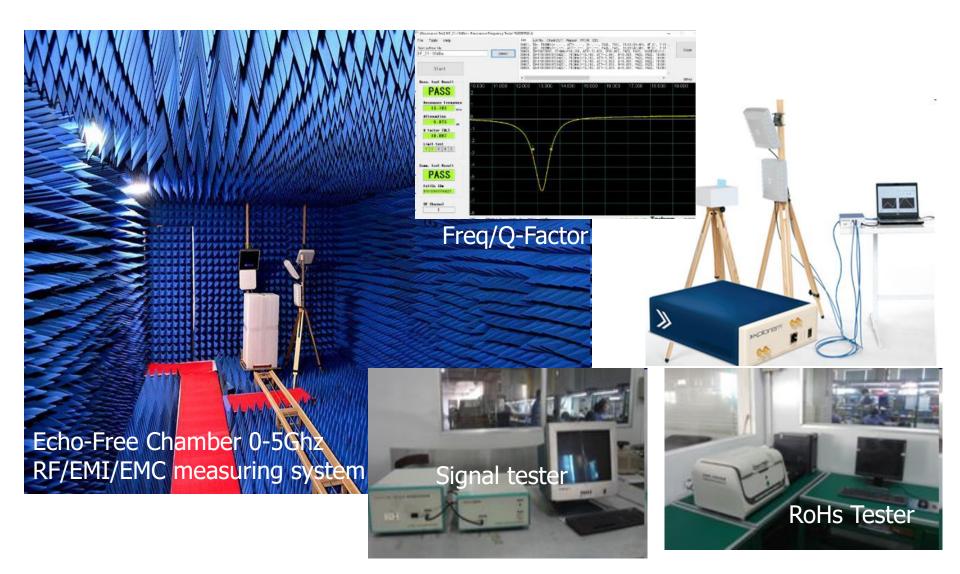
Finished Label get ready for next step

Die – Cutting procedure

# Quality Management Inspection System



# **Excellent Qualify Solution**





## **Inspection System**



**ROHS** tester



Spectrum analyzer



Metallographic microscope



High-low temperature chamber



Network analyzer



Chemical laboratory



## **Inspection System**



O/S test





2D Flat Microscope





Metalloscope



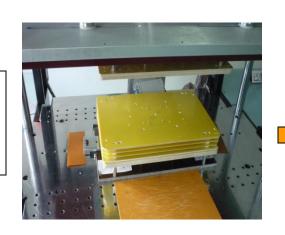
X-ray thickness Detector High/low temperature Chamber

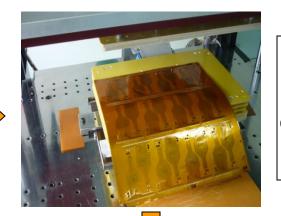
**Bending Test** 



## **Open-Short Test**

Test Kit fixed at QC machine

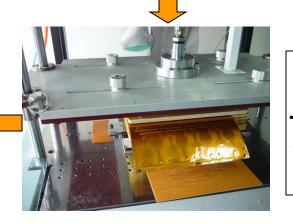




Put FPC board get ready for test

OK - PASS NG - FAIL





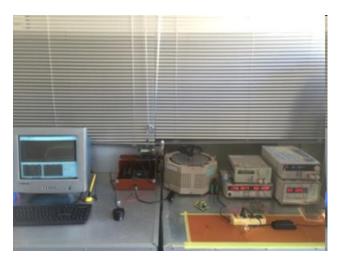
Pull down tool kit To touch FPC board for open-short test



## IC/Component Measurement System







Oscilloscope 示波器

Burn in Test 老化测试

Temperature Identifying Control Instrument/温度打点仪

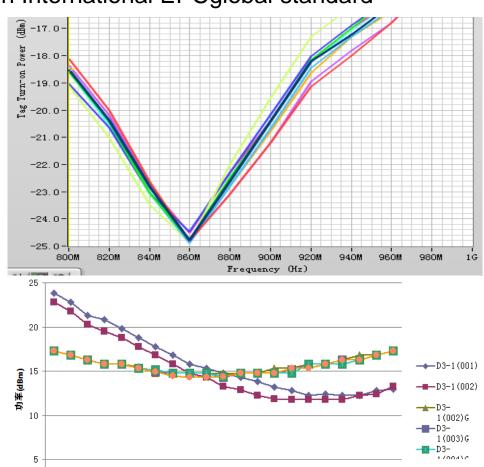
**XMINNOV** 

Release ISO Quality Standard from Anechoic Chamber basing on International EPCglobal standard









860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960

Specify Standard for Encoding machine which is equal to ISO standard in both of Real and AirFree condition



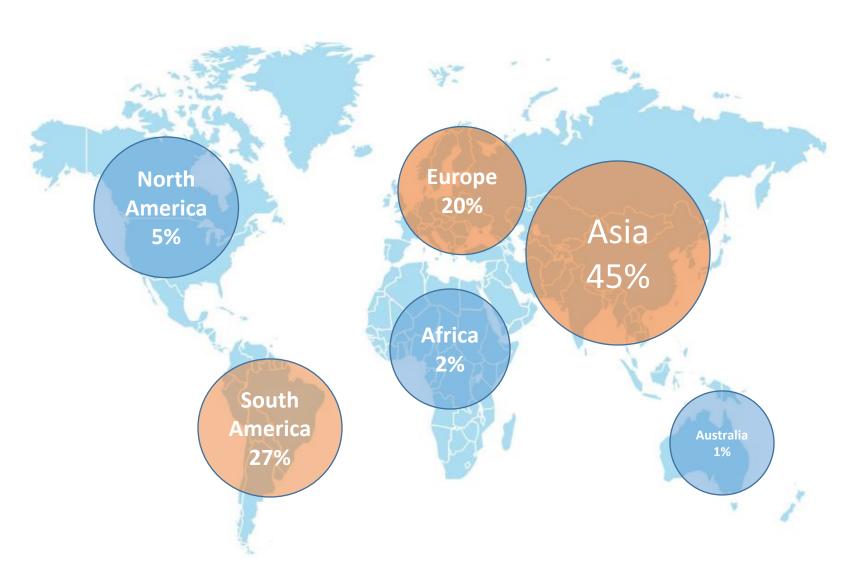
#### 100% Quality Control System

Inspect RFID/NFC tags piece by piece, Ink mark for rejection or removing rejection





## **Global Market**





## **Partner Customers**































1. Value-Added 2. Solve Problems 3. All Win



# Thank You!



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