Company Profile

Advanced Connection Technology Ltd

ACTT

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About us

Advanced Connection Technology Ltd. is located in Shenzhen, China. CACT is a company which mainly produces various types of automotive PCBA modules, automotive wiring harnesses and peripheral products of automotive connector.

CACT is a national high-tech enterprise integrating product design, development, manufacturing and processing. CACT adheres to customer demand-oriented, continuous innovation and quick response, committed to providing customers with high-quality and efficient products and services on a global scale.

1. Factory was founded in 2000
2. Floor space :7267 ㎡
3. Total number of employees : 300
4. production line :

Modules 14 ,

Automotive wiring harnesses 8

Connectors15, medical products 1

5.Monthly capacity :

5.1. Module (PCBA) : 2KK/M

5.2. Automotive wiring harnesses : 1KK/M

5.3. Connector : 5KK/M

5.4. metal mold : 12sets/M

5.5. Plastic mold : 10sets/M

6.Main products :

USB modules / automotive wiring harnesses / automotive connector etc.

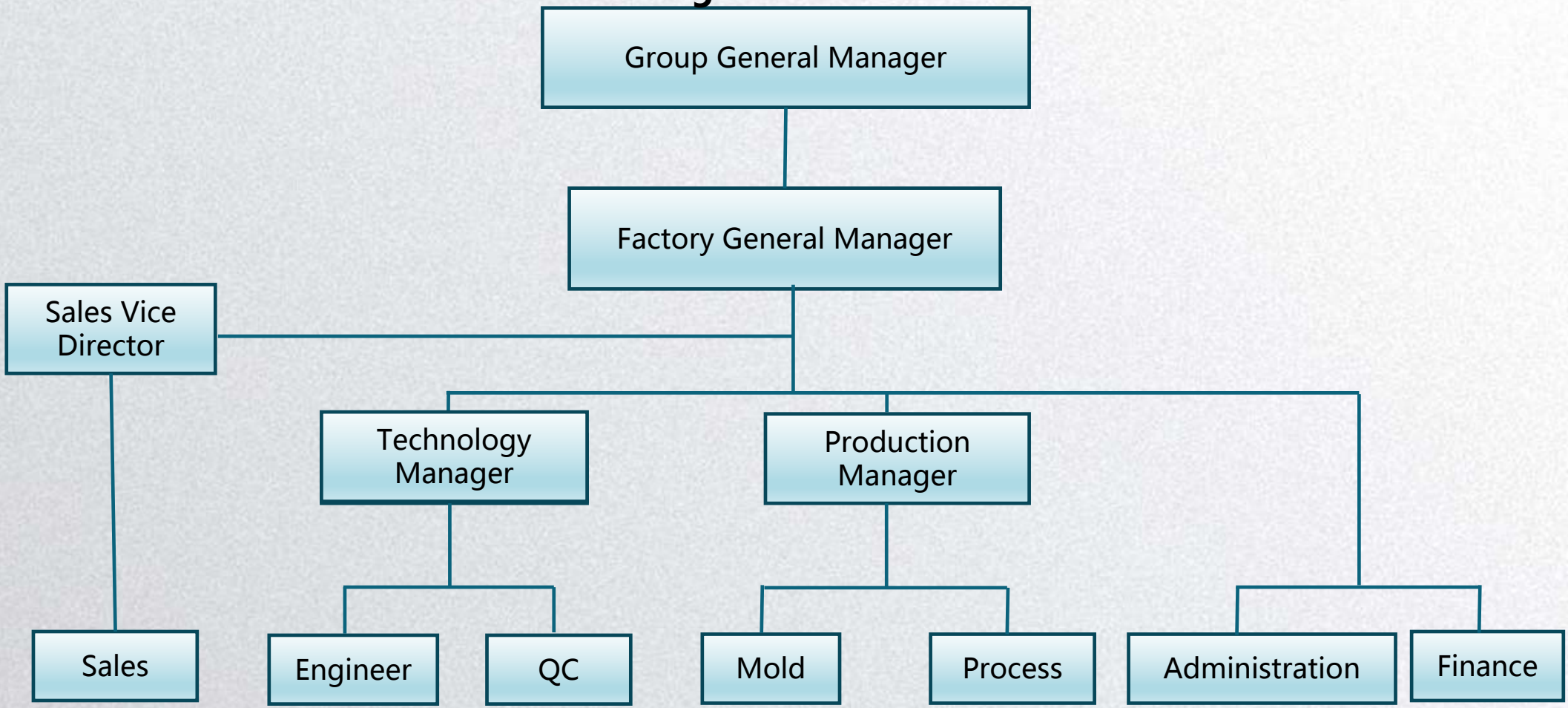
7. Product sales : Twenty-four million dollars

CACT History

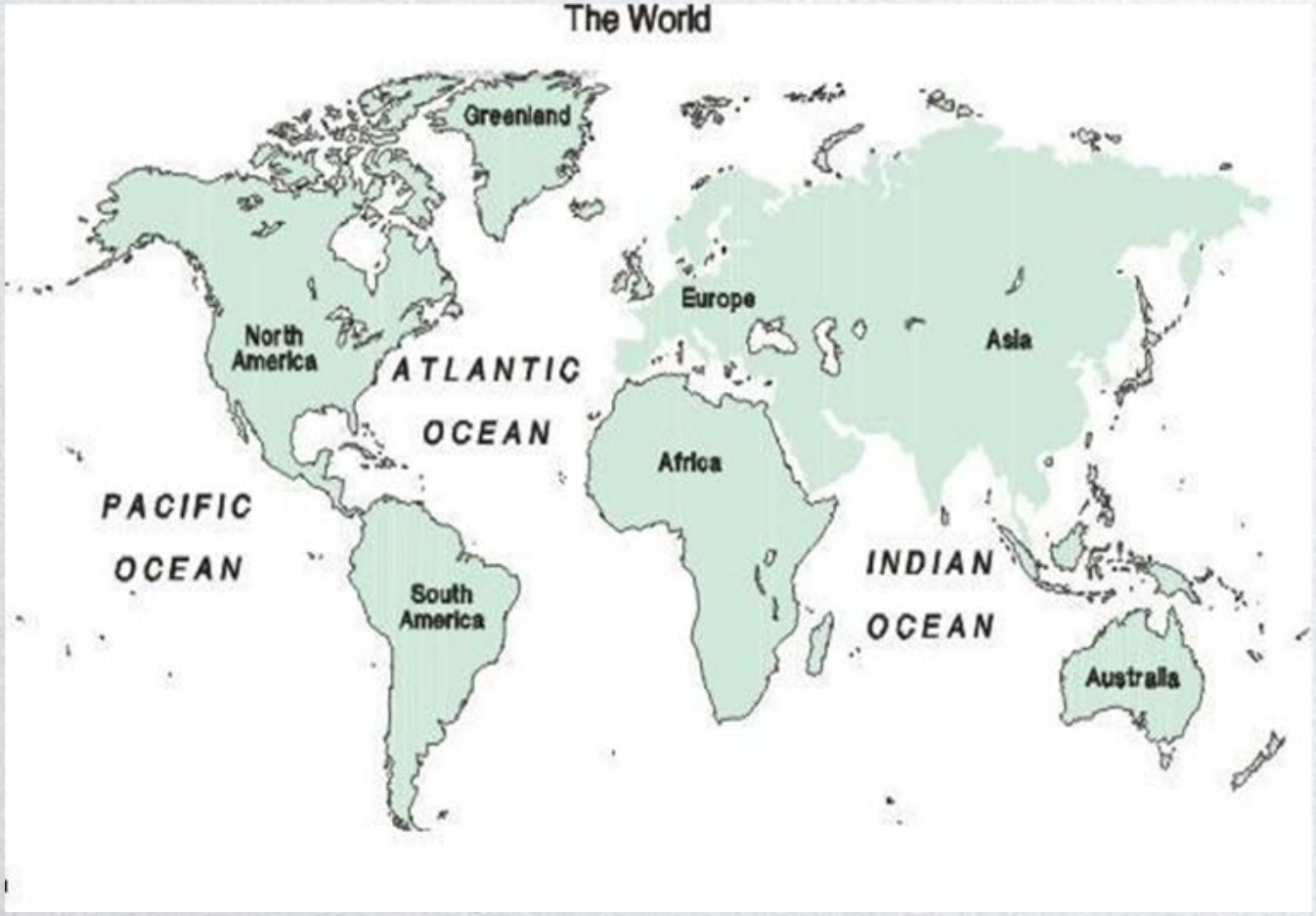
2000----Established the factory
2003----Passed ISO 9001(2000 version) Qualification Certification
2004----Passed ISO 14001 Qualification Certification
2007----Passed TS 16949:2002 Qualification Certification
2007----Won the automotive client: Casco
2010----Won the automotive client: TECVOX
2011----Won the automotive client: Chrysler/Fiat/GM
2012----Won the automotive client: Harman
2015----Company listing
2016----Won automotive client: GAC Trumpchi
2016----Passed IATF16949:2016及ISO13485:2016 Qualification Certification
2017----Won the honor of "State High-tech Enterprise"
2018----Won the automotive client: GAC New Energy
2019----Passed AS9100：2016 Qualification Certification
2022----Won automotive client: BAIC

Orginization Chart

Advanced Connection Technology Inc.
Management Structure



Marketing network



Customer - oriented

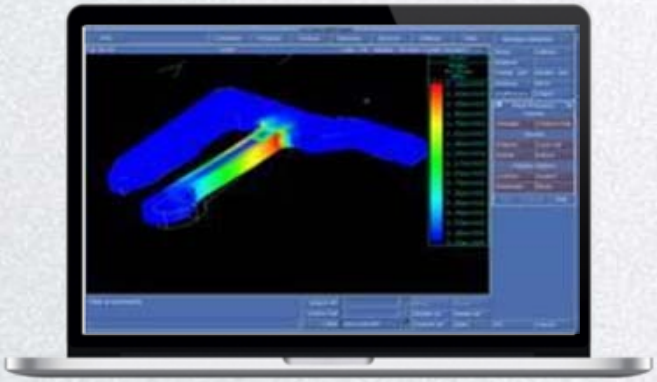
Our products are exported to Southeast Asia, Europe, America, etc.

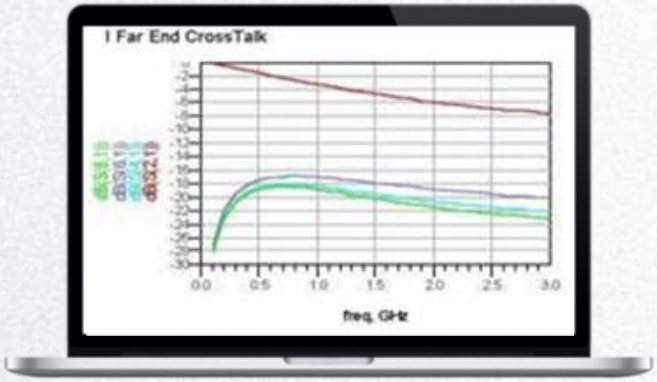
Automotive customers

CHRYSLER	MASERATI	广汽传祺	广汽埃安	蔚来
TECVOX	BMW	ALFA ROMEO	CASCO	法雷奥
中国一汽	HARMAN	小鹏	Jabil	FIAT

Team strength

1、Professional research and development capability
2、Professional development software:AutoCad，Solidworks，Pro-E
3、Advanced simulation software:Moldflow， MSC.AFEA，ANSYS



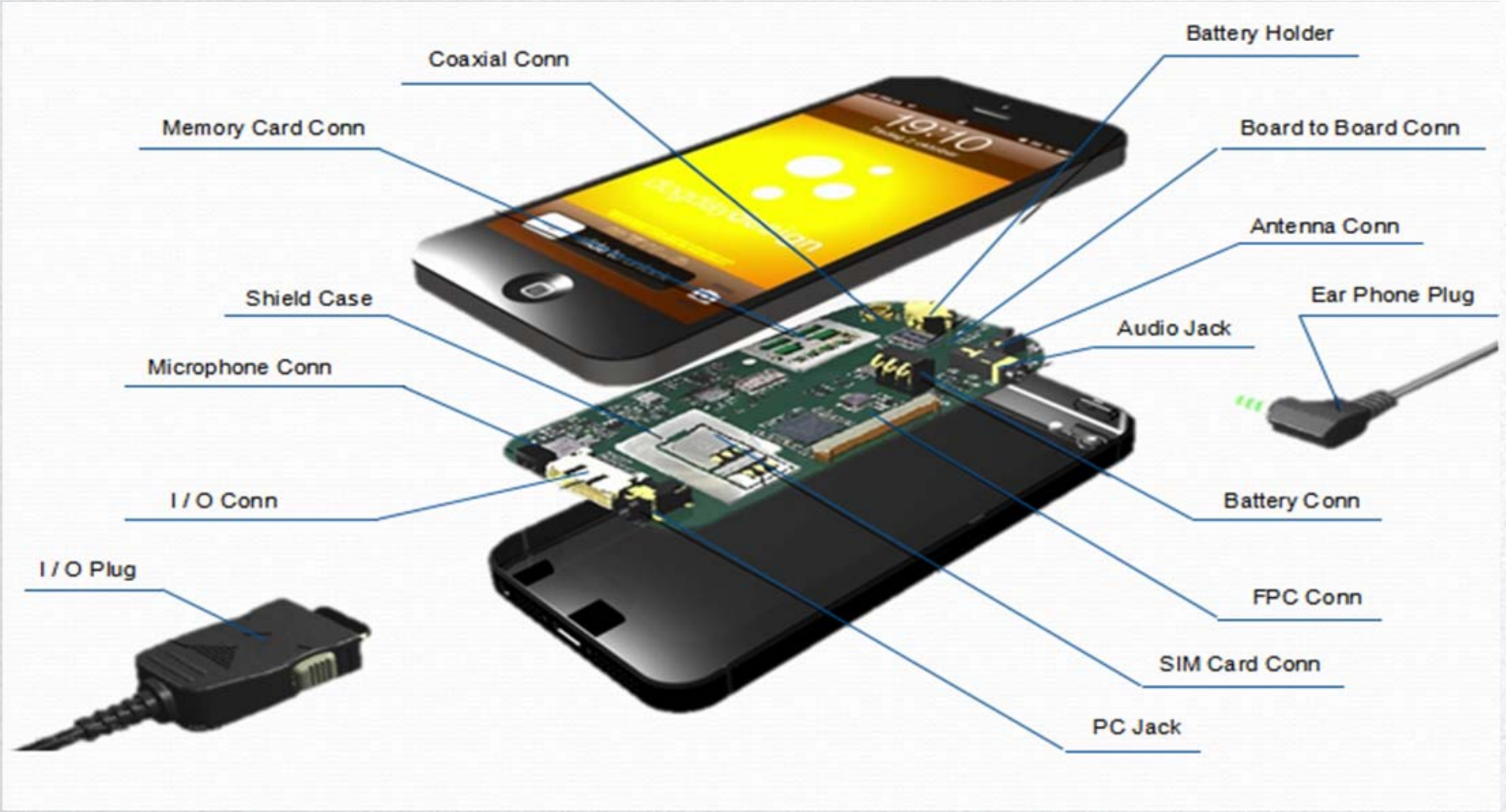


International professional design Mold design & manufacturing ability

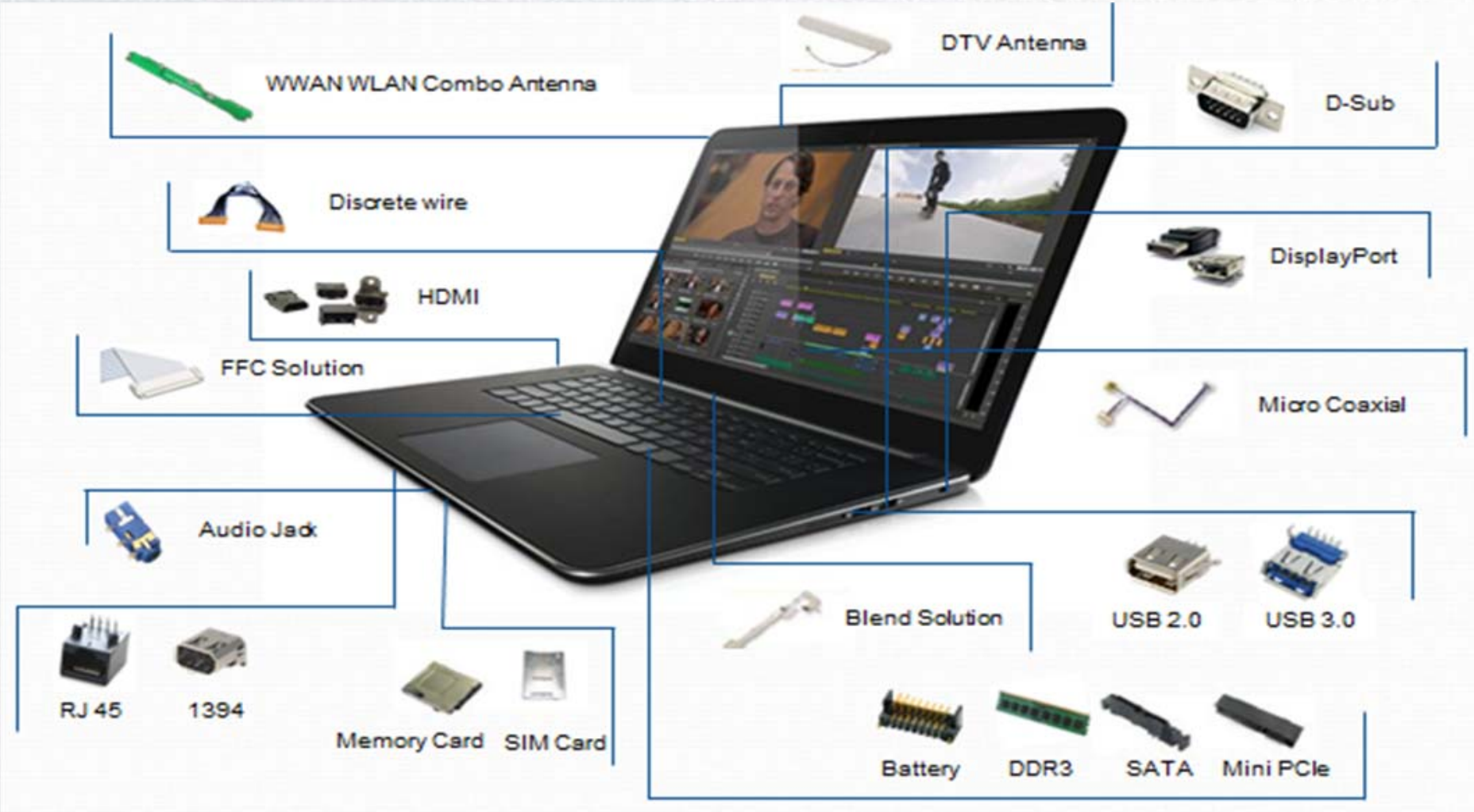
customize products capability Automated design capability

High precision machining equipment Production flexibility

Products on Mobile phone



Products on Notebook



Products on automobiles

1. Entertainment system wiring harness and modules
2. Communication system wiring harness
3. Navigation wiring harness
4. Vehicle information modules
5. Second generation vehicle-mounted diagnostic system

Products Application ：PCBA modules

GAC GS4

GAC GA8&GS3POWER&GS5&GS8/ EMPOW

Products Application ：PCBA modules

GAC M6/M8

AION S/AION V/AION Y/AION LX

Products Application ：PCBA modules

M161 CUU Maserati Levante S

Alfa Romeo Giulietta

Products Application ：PCBA modules

ZD – Dodge Viper

DS – Dodge Ram

Products Application ：PCBA modules

WK CUASD– Jeep Grand Cherokee

WD CUASD – Dodge Durango

Products Application ：PCBA modules

RT CUU – Jeep

330 CUA–Fiat

Products Application ：PCBA modules

Function	Carplay3.0+5V/2.4A+SD card	5V/2.4A+5V/3A Charger	5V/3A Charger
Picture			
Function	5V/2.4A+PD(9V/2A) Charger	PD(60W max)Charger	PD Charger +Data transmission
Picture			

Products Application: Automotive wiring harness

Vehicle-mounted USB/Mini USB Cable

Chrysler DS Uscar cable

Chrysler DS Uscar cable

GM USB cable

HDMI cable

Chrysler Town and Country

Korea ssangyong chairman

HDMI cable assembly

Products Application: Automotive wiring harness

Wire Harness cable

Mazda Multi media Box

FORD Mondeo Lighting System

Porsche Lighting System

HSD/Fakra cable

Products Application: Automotive wiring harness & connector

Other Cable series of vehicle-mounted

OBDII TO DSUB cable

Switch cable for fire fighting car

Power cable (ISO 6pin Conn.)

Automotive connector: Type C series

Products Application: Automotive connector

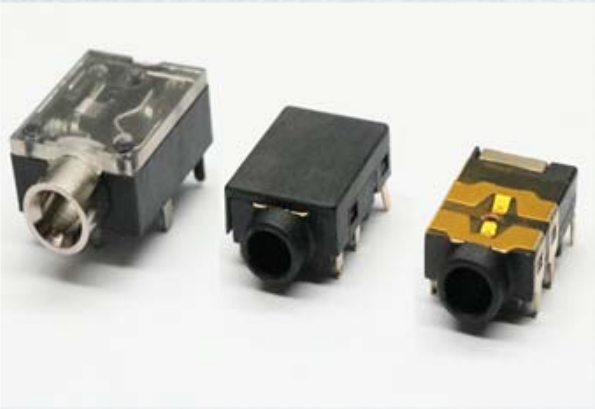
USB vertical type

USB180° SMT TYPE

HDMI TYPE A

HDMI TYPE E

Uscar Mini USB Conn.



AUX Conn.

AUTO Conn. 12/4/2 Pin

Quality System

RoHS&REACH
ISO Certification

IQC IPQC FQC OQC

ISO9001
Versions:2015

IATF16949
Versions:2016

ISO14001
Versions:2015

ISO13485
Versions:2016

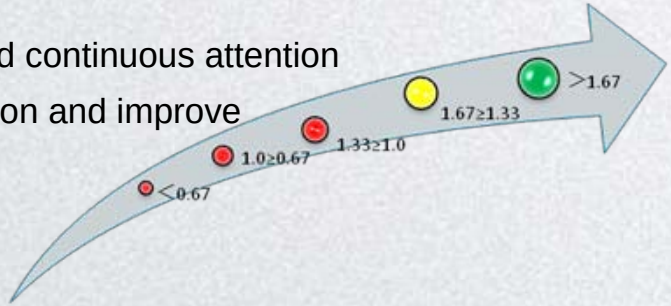
AS 9100
Versions:2018

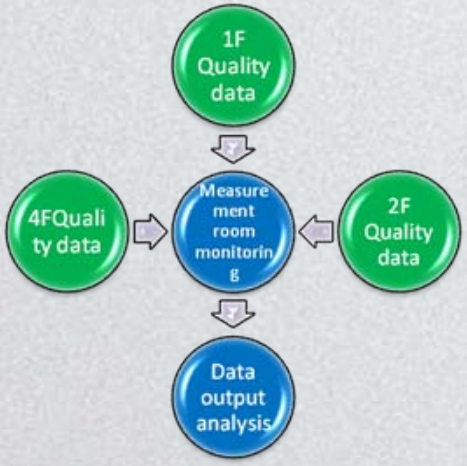
Quality system - SPC system

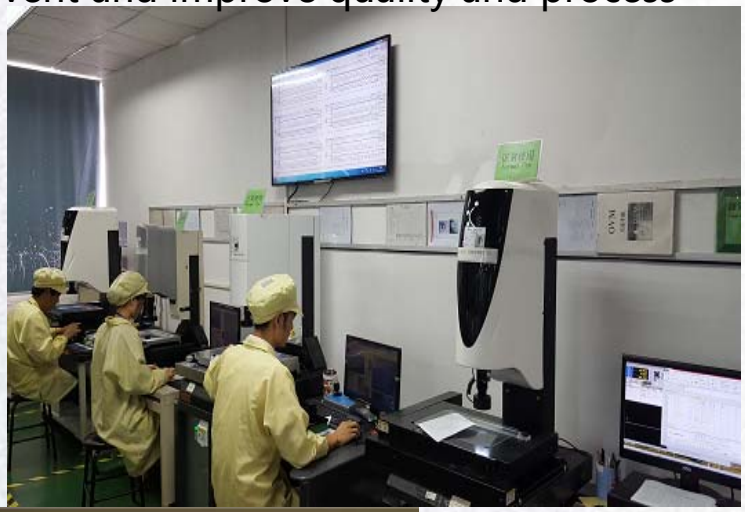
Real-time SPC system: seamless connection with the measurement room automatic measurement system, automatic real-time SPC analysis of quality and process data for each period of time, early warning at the beginning of the trend change (automatically send mail step by step to notify the relevant personnel), can timely discover potential quality or process problems, so as to prevent and improve quality and process problems in advance.

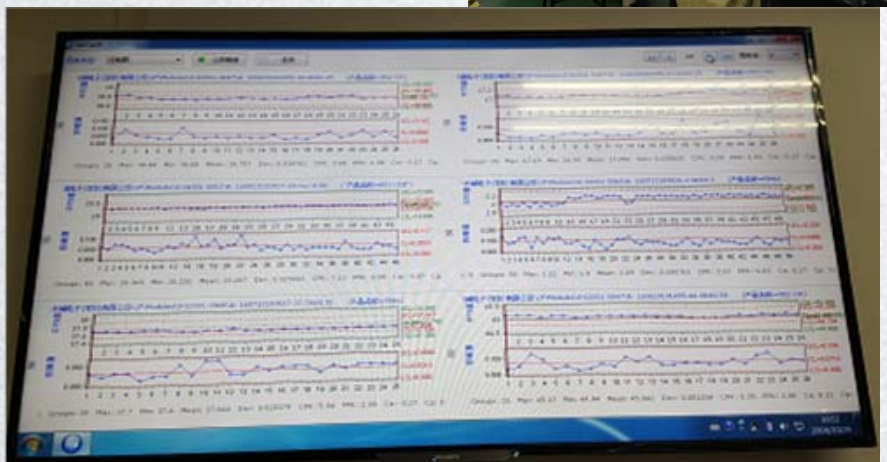
- **Capability Index of CPK**

- Result≥1.67PASS
- Result＜1.67 Early warning and continuous attention
- Result＜1.33 Stop the production and improve









Quality system - MES system

MES traceability system links parts, machines, personnel, test results and products effectively through scanning, and uploads servers to achieve one-to-one traceability effectively. MES system can export online reports, automatically feed back the real data of production and quality to the production Kanban and server, and gradually realize paperless operation.

Tracking of staff, machine and material

Product tracking

Quality management

Production Kanban

Equipment management

Manufacturing System- Andon System

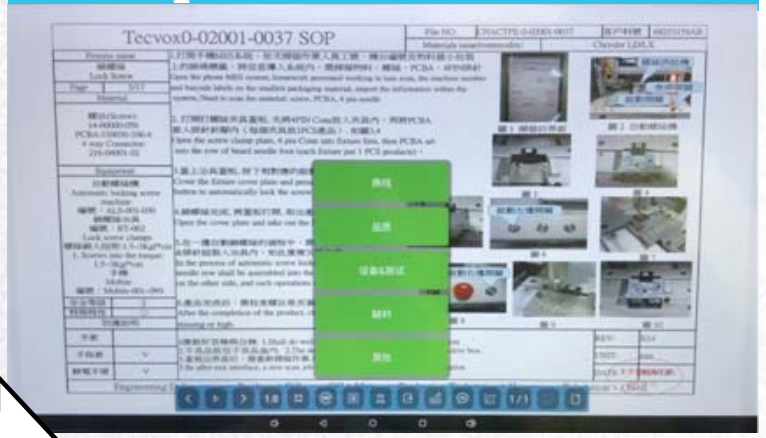
Module production line tie-in Andon System

※ E-SOP System, Roll playing, Real-time notification

※ Automatic recording, tracking and statistics the abnormalities of production line

Andon System Production Line Layout

Operations Interface



Visual Integration Kanban

Product Quality Control Process

Injection Molding Process

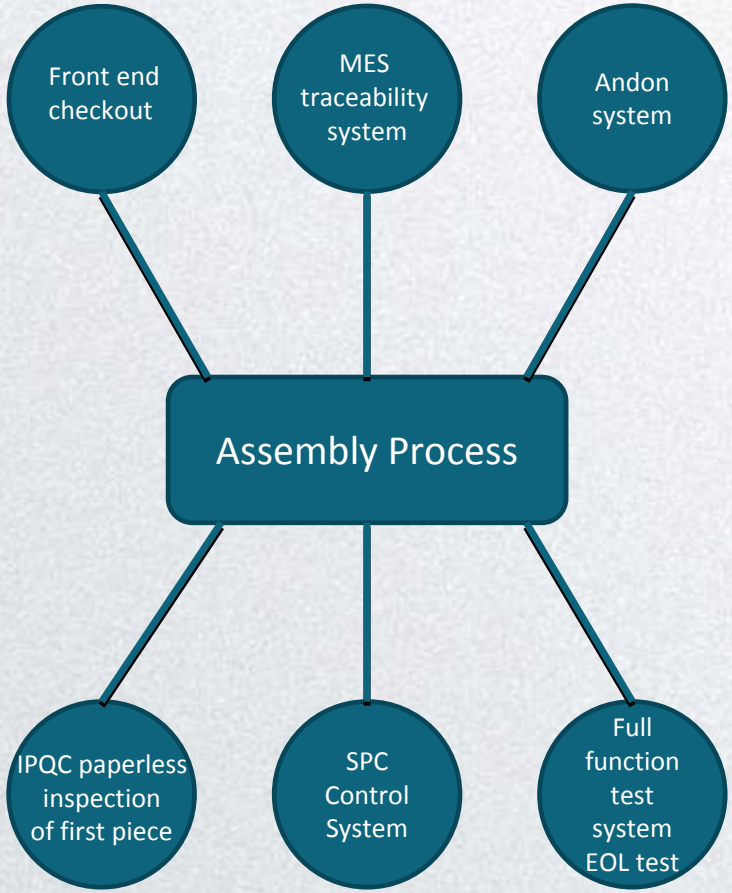
- Moisture content inspection
- Moulding parameter checkout
- Appearance inspection by microscope
- Size inspection in 2.5 dimension

Stamping Process

- Hardness test
- Stamping parameter checkout
- Appearance inspection by microscope
- Size inspection in 2.5 dimension

Feeding Process

- Plating thickness inspection
- RoHS test
- Appearance inspection by microscope
- Size inspection in 2.5 dimension
- Function test



FQC Process

- Safe Launch 100% inspection
- Vibration test
- Full inspection of appearance
- Full inspection of function

- Package scanning
- ERP implement First-in, First out
- Management & tracking of delivery records

Laboratory equipment

Automatic inserting and pulling force testing machine

Durability Force Tester

Alcohol rubber friction testing machine

Hardness testing machines

Bend and sway test machine

Grinding and polishing experimental machine

Laboratory equipment

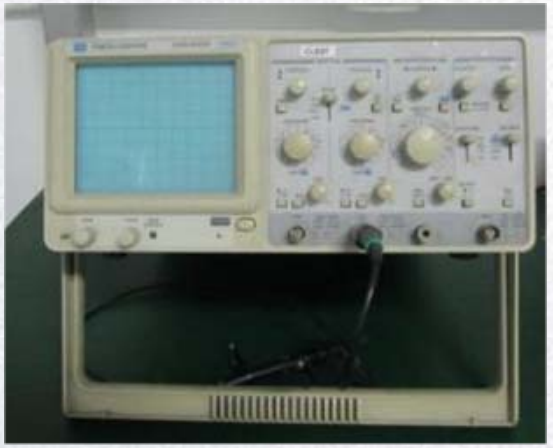
Contact impedance tester

Voltage insulation tester

Function Generator

XRF

colorimeter



oscilloscope

Laboratory equipment

Constant temperature and humidity testing chamber

Mechanical vibration testing machine

Vehicle interference simulator ISO7637 system

Thermal shock testing chamber

Mechanical shock testing machine

Electrostatic discharge generator

Experiment ability

Mold processing equipment

Grinding machine

milling machine

Wire Cutting machine

Laser engraving machine

EDM

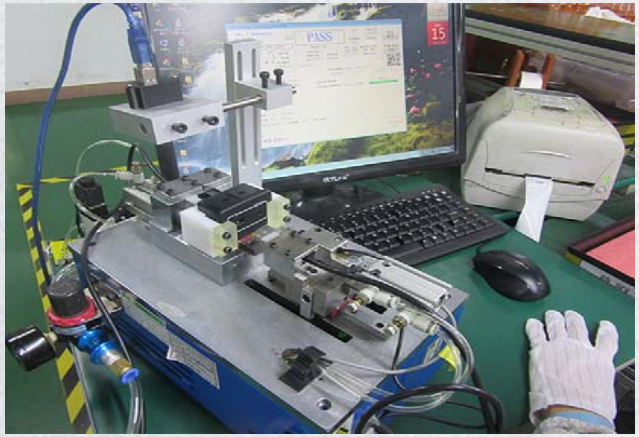
Manufacturing equipment

Automatic welding robot

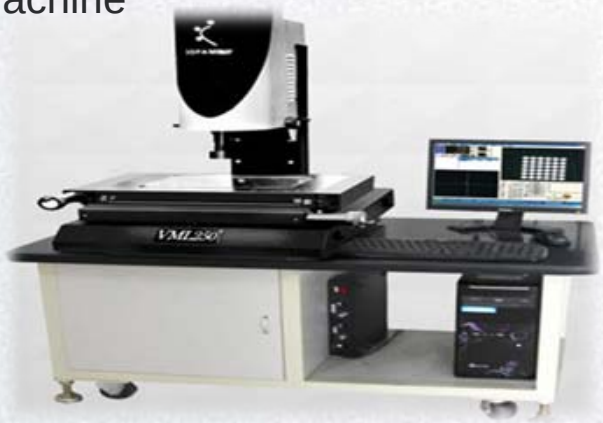
Automatic wire cutting machine

USB connector automatic assembly machine

High frequency soldering



EOL tester



2.5D automatic measurer

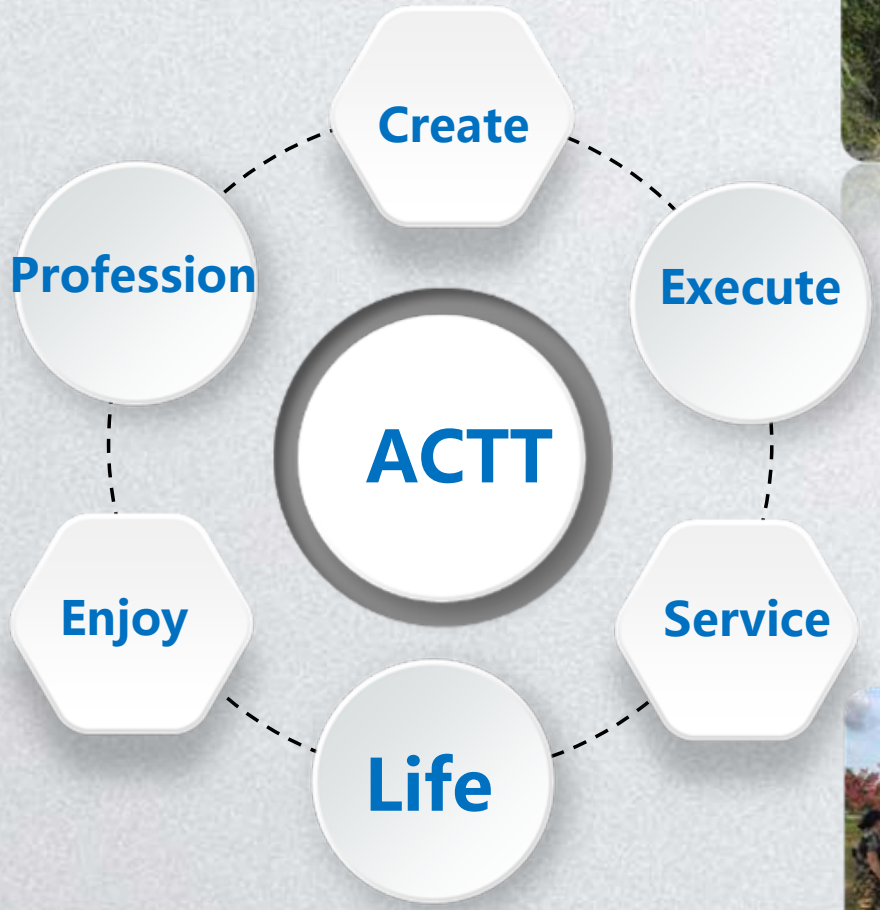
Manufacturing shop

Manufacturing shop

We advocate the concept of "zero defects" and "one time to do things right", in strict accordance with the ISO/IATF16949 quality control standard production.

High standard of warehouse management

Corporate culture



Win-win Cooperation

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