# Company Profile

## Advanced Connection Technology Ltd

ACTT

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# Factory profile

Advanced Connection Technology (Shenzhen) Co.,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 square meter

3.Total number of employees: 400

4.Production line:

Module: 14

Automotive wiring harnesses: 8

Connector: 15

Medical product: 1

5.Monthly capacity :

5.1 Moudle ( PCBA ) : 2KK/M

5.2 Automotive wiring harnesses: 1KK/M

5.3 Automotive connector: 5KK/M

5.4 Metal mold: 12sets/M

5.5 Plastic mold ：10sets/M

6.Main products:

USB module/ Automotive wiring harnesses / Automotive connector

7.Product sales: 160 million RMB per year

# CACT History

2000----Shenzhen factory established

2002----Tooling  Center & Testing Room established

2003----Passed IS09001:2000 certification

2003----Passed the application for sole proprietorship and became a general taxpayer

2004----Passed QS9000 and ISO 14001 certification

2005----Become a qualified supplier of HTC

2007----Passed ISO/TS 16949:2002 certification

2007----Become a qualified supplier of Casco

2009----Passed ISO 9001:2008 certification

2009----A new factory building was established in Pingxi Community, Pingdi Subdistrict, Shenzhen, and was stationed in May 2009.

2010----Automotive customer TECVOX imported

2011---- Automotive customer Chrysler/Fiat/GM imported

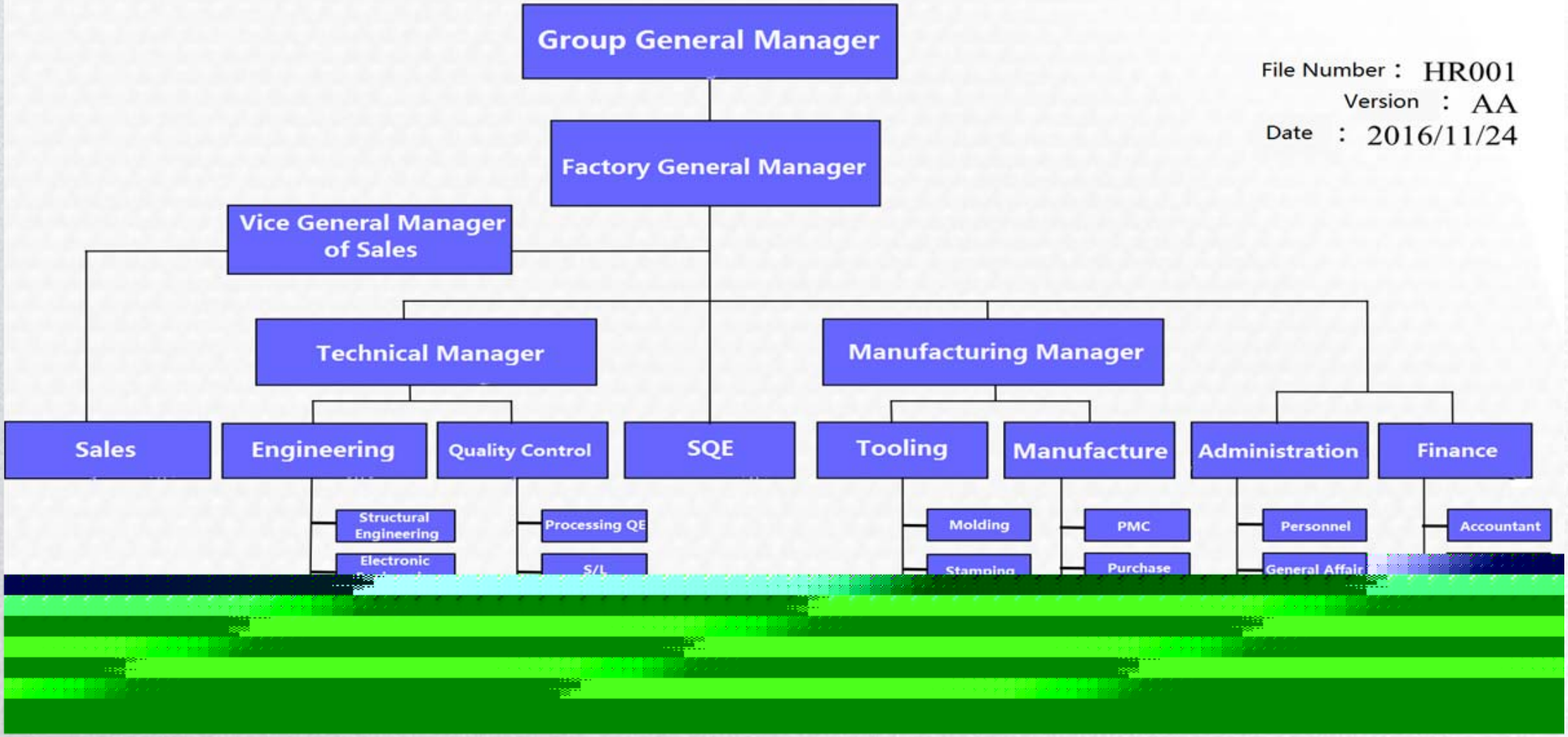
2012---- Automotive customer Harman imported

2016---- Automotive customer GAC Trumpchi imported

2017----Achieved the honor of "National High-tech Enterprise"

2018----Automotive customer GAC NE imported

# Organization Chart

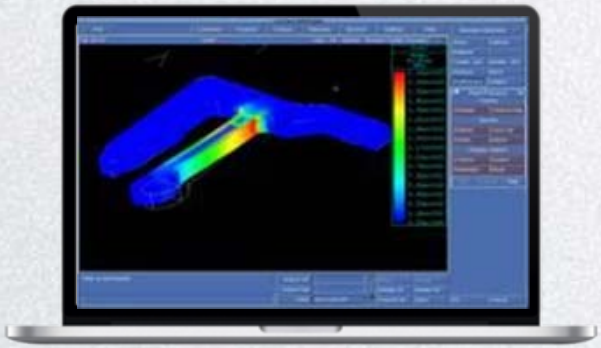


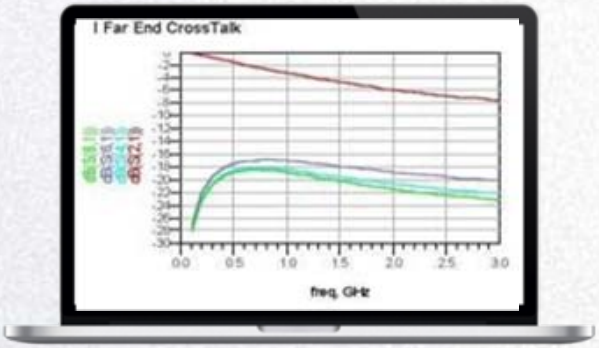
# Automotive customer base

| CHRYSLER | MASERATI | FIAT | GEELY |
|---|---|---|---|
| TECVOX | BMW | ALFA ROMEO | CASCO |
| 廣汽傳祺 | HARMAN | PARROT | Jabil |

# CACT team strength

**CACT has professional R&D capabilities, professional R&D software such as AutoCad, Solidworks, Pro-E,  and uses advanced simulation software such as Moldflow, MSC.AFEA, ANSYS.**






International professional design

Mold design & manufacturing capabilities

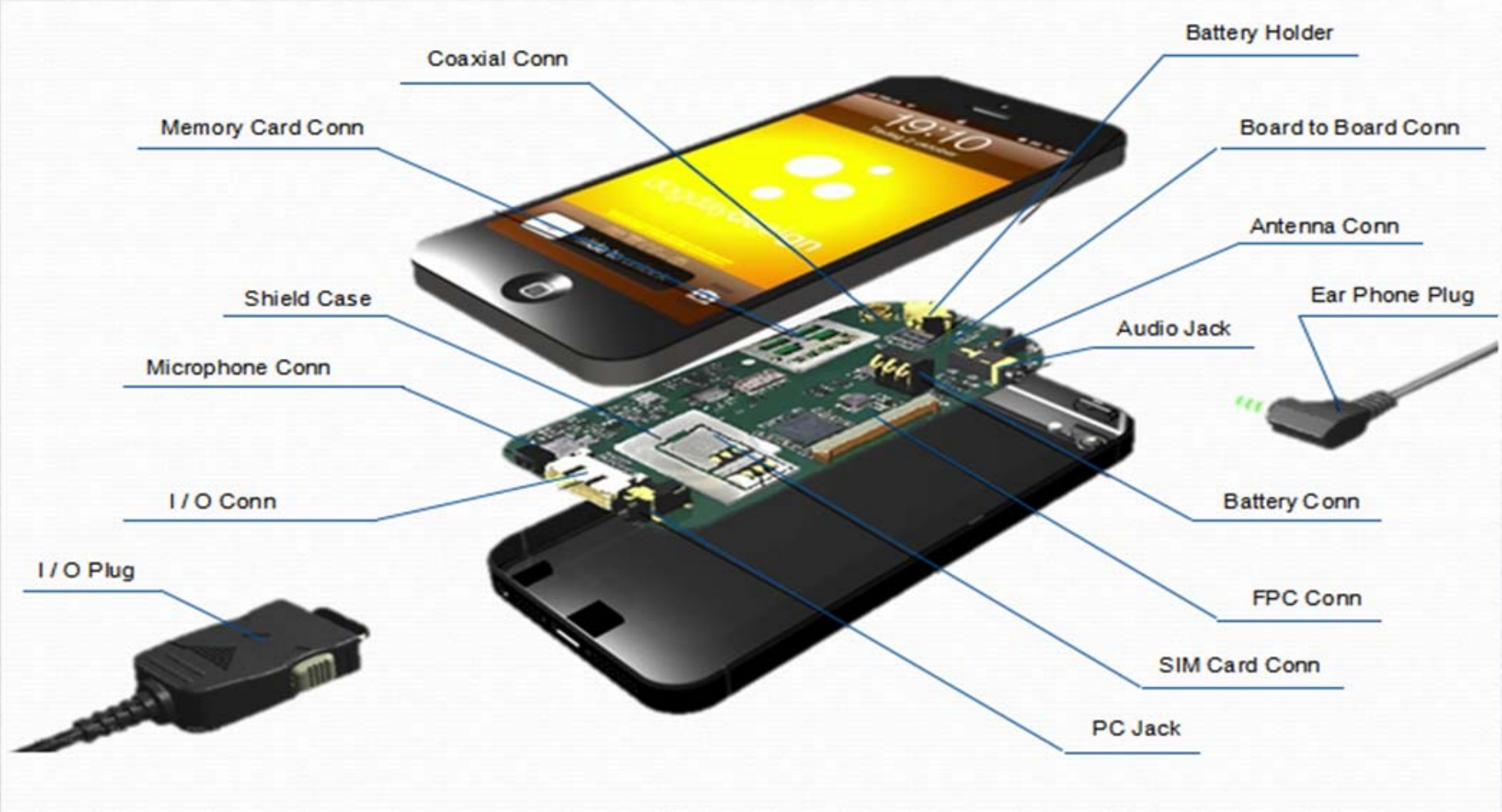
Ability to customize products

Ability to automate design

High precision processing equipment

Production flexibility

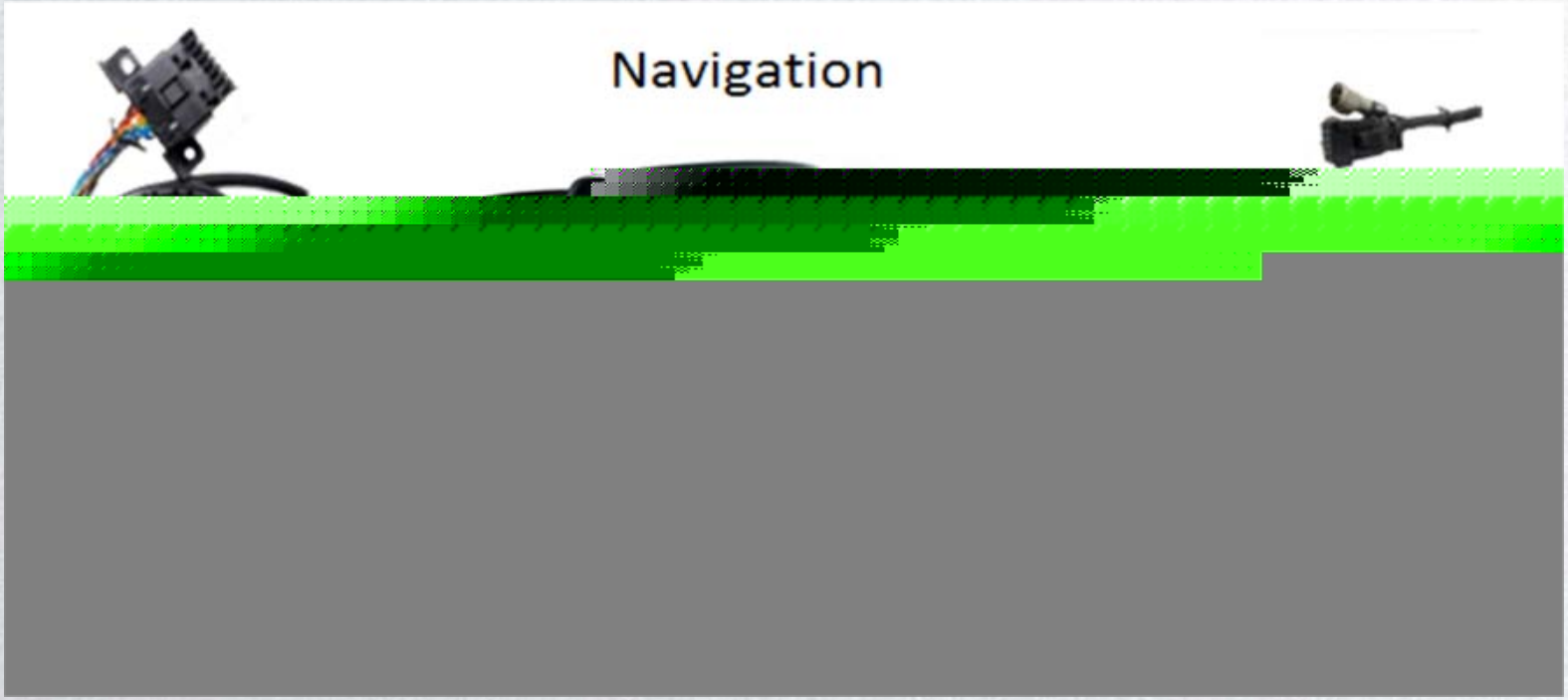
# Products on Mobile phone



# Products on Notebook

# CACT Products-Automotive applications

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



# CACT Products Application: PCBA modules

GAC

GAC

# CACT Products Application: PCBA modules

## GEELY

# CACT Products Application: Automotive wiring harness

## Vehicle-mounted USB/Mini USB Cable

## Vehicle-mounted HDMI Cable

# CACT Products Application: Automotive wiring harness

## Wire Harness Cable series

Mazda Multi media Box

FORD  Mondeo Lighting System

Porsche Lighting System

## HSD/FAKRA Cable series

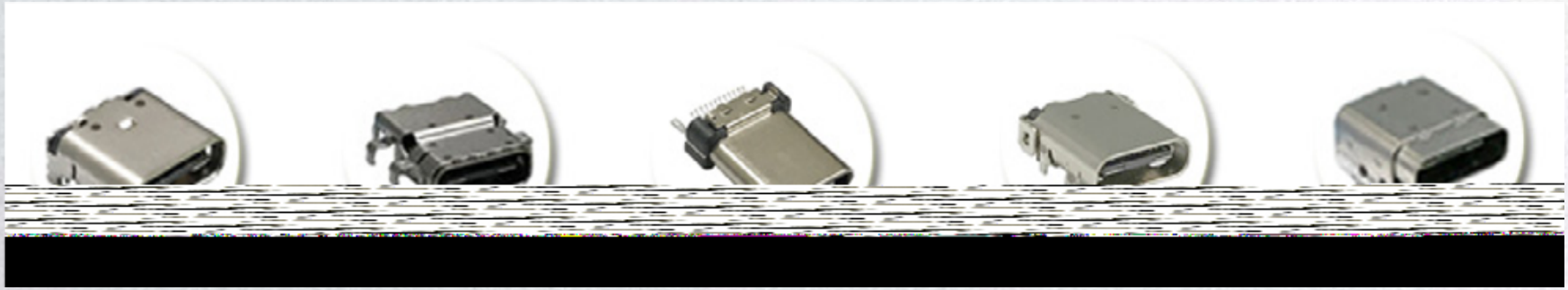
# CACT Products Application: Automotive wiring harness & connector

## Other Cable series of vehicle-mounted

OBDII TO DSUB cable

Power cable (ISO 6pin Conn.)

## Automotive connector: Type C series



# Quality System

## ISO9001

Versions:2015

## IATF16949

Versions:2016

## ISO14001

Versions:2015

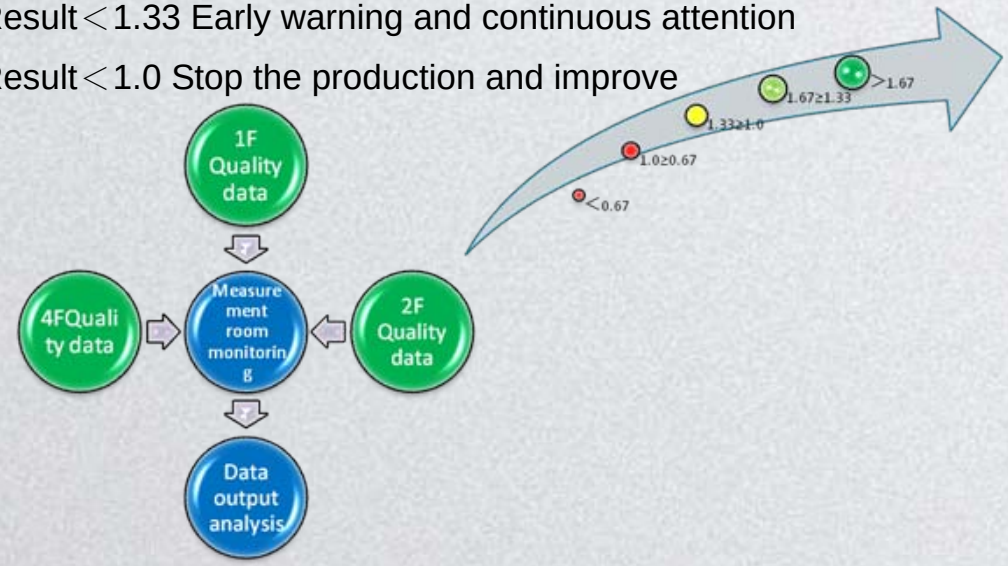
IQC IPQC FQC OQC

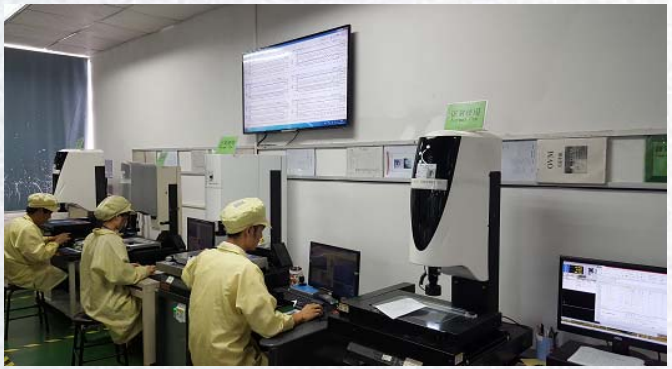
# Quality system - SPC system

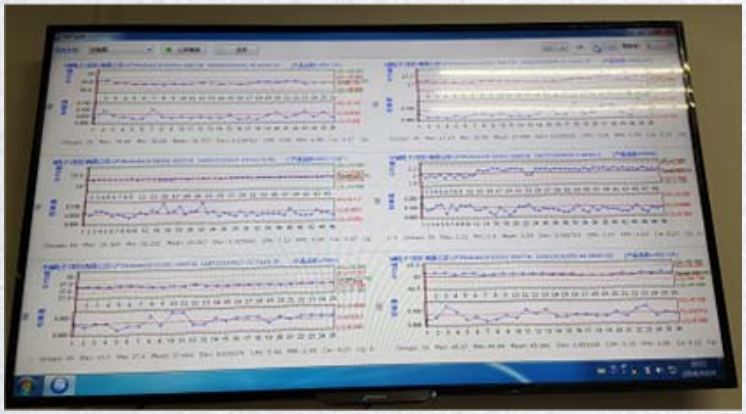
CACT imports real-time SPC system formally, which seamlessly links to measuring room's automatic measurement system, real-time SPC analysis for each session's quality and process data automatically, warning at the beginning of the trend changes (to send mail to inform relevant personnel step by step automatically) , can found potential quality or process problems in time, thus prevent in advance and improve continuously on the issue of quality and technology.

- Capability Index of CPK

- Result≥1.33 PASS
- Result＜1.33 Early warning and continuous attention
- Result＜1.0 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

# Quality target ( PPM )

- Product shipment yield= 100%
- Processing defect rate< 100PPM
- Customer complaints < Twice a year
- Customer complaint rate < 20PPM
- Customer satisfaction> 95 points per year

Now → Future

- Product shipment yield = 100%
- Processing defect rate < 50PPM
- Customer complaints = 0
- Customer complaint rate = 0
- Customer satisfaction > 98 points per year

## Quality Control

APQP → PPAP → FMEA → MSA → SPC → MES

# Laboratory equipment

Automatic insertion force testing machine

Durability testing machine

Alcohol rubber friction testing machine

Hardness testing machine

Bending and Swing testing machine

Grinding and polishing testing machine

# Laboratory equipment

Contact resistance tester

Withstand 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

# Mold processing equipment

Laser carving machine

Wire-electrode cutting machine

EDM

Grinding machine

Milling machine

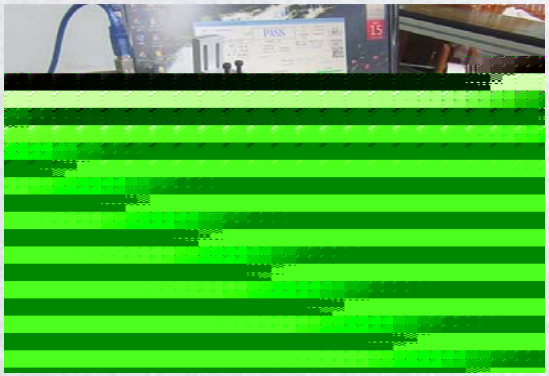
# Production equipment

Automatic welding robot

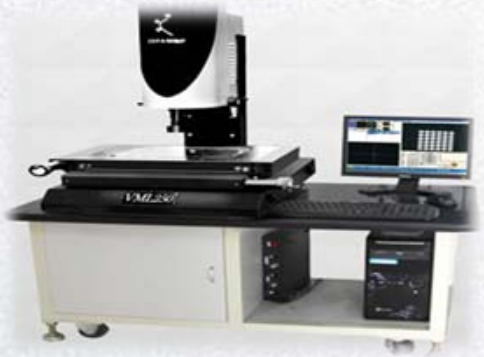
Automatic wire cutting machine

USB Automatic assembly machine

High frequency welding machine



EOL testing machine



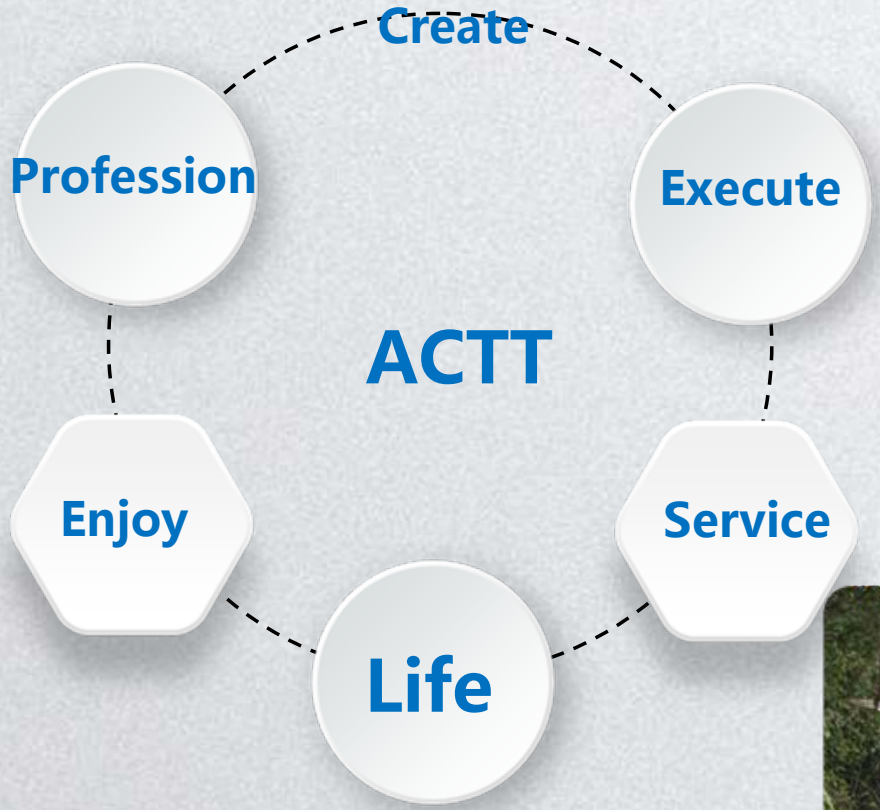
2.5D Automatic measuring instrument

# Production workshop

CACT advocate the concepts of “Zero defect" and “Doing things right once", and strictly follow the ISO/IATF16949 quality control standards.

# High standard warehouse management

# Corporate culture



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# Win-win Cooperation

*THE END*