



深圳市格兰拓普电子有限公司

Shenzhen Grandtop Electronics Co., Ltd

Introduction

Trustworthy High Quality
Professional PCBA Manufacturer

-Your one stop source for PCB design, PCB manufacturing and PCB assembly



Company Overview

Founded In: 2005

Specilized In: SMT, DIP, MI, AI, PCB assembling, conformal coating, final product assembling, testing, material procurement ,and one stop services, electronic product ODM&JDM services

Certification: ISO9001-2015
IATF16949-2016
ISO13485-2016
ISO14001-2015

About US:
150+ employees
Takes over area of 6000 m²
Managed by Kingdee ERP system, MES system

Locations:
Shenzhen Factory
Hongkong Office & Warehouse
UK London Warehouse
USA Office & Warehouse

Our PCBA and products are widely used in industrial control, medical device, food equipment, laser module, communication device, PLC module, transducer module, traffic control, automobile, smart home system,etc. We cooperate with worldwide clients and have long-term cooperated customers in USA, Canada, UK, Germany, Switzerland, Australia etc. which can be your reference.



Located in Hualun Technology Park

Grandtop
— Electronics

Our Advantage



Superior Quality

ISO certified company, We have a very robust quality system and professional quality team;
Reliable Supply Chain, we have established long-term strategic cooperation with the top electronic components manufacturers all over the world, such as Xilinx, TI, Avnet, Future and etc;
High manufacturing capability, our PCB can reach a max layers of 64, minimum placement component size can meet 03015 and minimum placement spacing of BGA can meet 0.3mm;
We have complete inspection and testing for PCBA, including SPI、AOI、ICT、FCT、X-RAY、ROHS and aging.



Turnkey Service

We professionally offer the service of PCB Assembly (SMT, DIP, MI, AI), component procurement, product final assembly, testing, PCBA conformal coating, electronic product design and peripheral products support, etc;



Fast Turnaround

We offer fast and opened BOM quotation to customers;
10 years of cooperation experience with European and North American clients, quickly and professionally respond customer requirements.



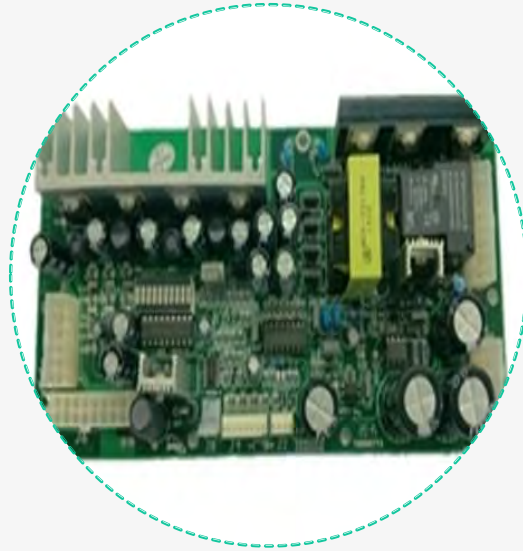
IP Protection

We can sign NDA with customers, suppliers and employees, make sure all confidential information and data shall not be disclosed

Medical PCBA



**Hemodialysis apparatus
control PCBA**



**Blood analyser
control PCBA**



**Oxygen equipment
control PCBA**



**Bultrasound scanner
equipment PCBA**

ECM&EMS



Industrial controller



Automotive device



Industrial controller



Aerospace device

QC. Flow Chart

Quality Department

IQC (Incoming Material Inspection)&
NCR Handling

First Article Inspection
by IPQC

Online Material Confirmation
by IPQC

Online Process Monitor
by IPQC

OQC
Inspection

Yes

Stick Pass Label

Packing Check

Shipping

NG

Fill Rework Sheet

Rework

Production&Engineering Department

Appearance Inspection of PCB

NG

Reject to
Warehouse/Scrap

Yes

Fitting Check of PCB

Inspection of Soldering Paste Printing

NG

Cleaning PCB

Yes

Components Double Check on Feeder

Components Mounting Inspection before
Reflow Oven

NG

Correction /
Adjustment

Yes

Setting Reflow Oven Parameter and Test

QC Inspection after Reflow Oven

NG

BGA Inspection by Xray

NG

100% AOI Testing(Automatic Optical Inspection)

NG

Parts Inspection before Wave Soldering(DIP)

NG

Repairing/Rework

Appearance Inspection after Wave Soldering

NG

ICT Testing

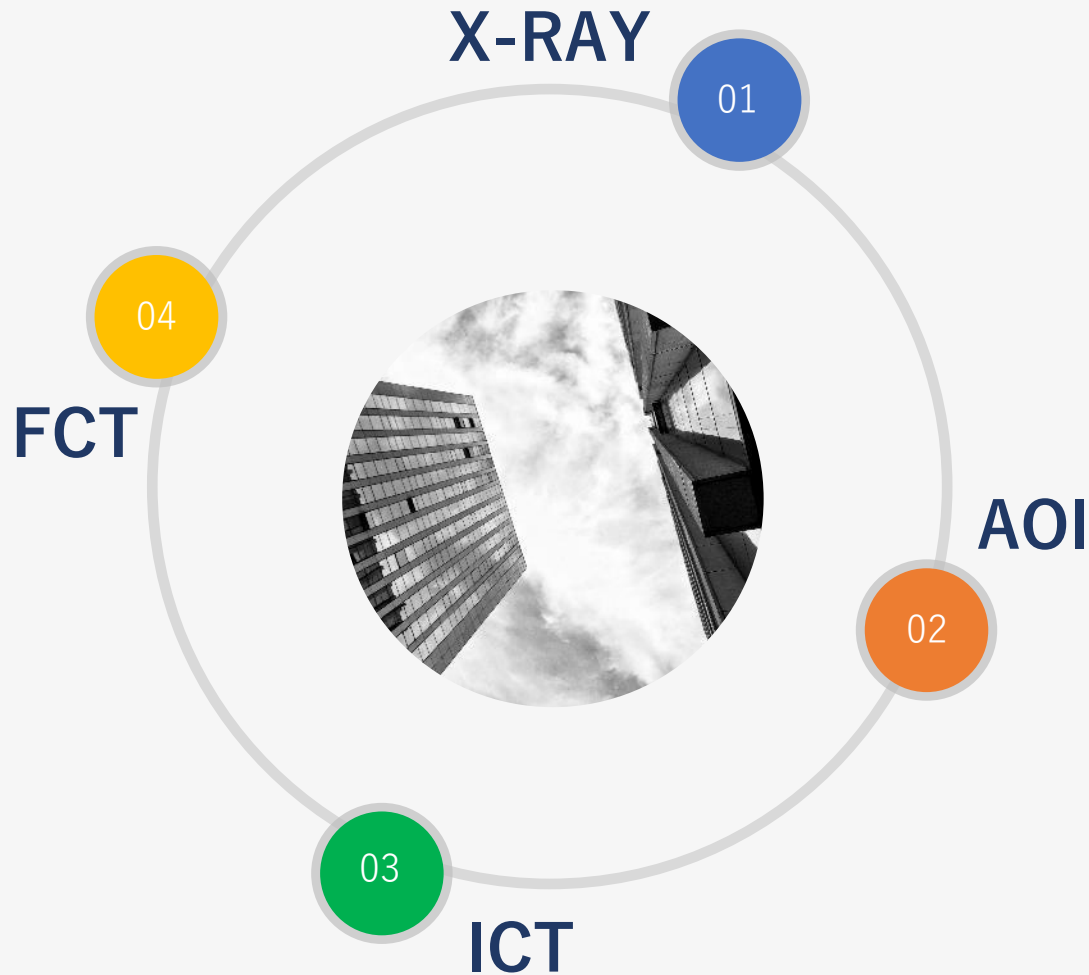
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Programming & Functional Testing

NG

No bad products receiving No bad products producing No bad products

Complete testing



1. X-RAY

Which used to check the inner situation of SMT BGA, CSP, Flip-Chip, IC semiconductor components, connectors, wire, photovoltaic modules, batteries, ceramic products, and other electronic products.

2. AOI

The AOI device automatically scans the PCB through the camera, captures the components on the PCB or special (including the printed solder paste, the state of the chip components, the solder joint shape and defects, etc.), and performs the software processing and the qualified parameters in the database.

3. ICT

It is a standard test equipment for testing the electrical performance and electrical connections of online components to check for manufacturing defects and component defects.

4. FCT

Functional testing is to verify the functions of the product, according to the functional test cases, test one by one, check whether the product meets the user's requirements

Pro. Configuration

Line	SMT line	DIP Line	Assembly Line	Repairing Welding	Testing Line	Reliability Test Room	Conformal Coating Line	Aging Room
QTY.	5	2	5	2	2	1	1	1

Equipment in Lines:

Lines	Line No	Equipment	Capacities
SMT LINES	LINE A & B & C & E	Auto Printer (GKG-G9+)	Printing Accuracy: +-0.025mm; Repeated Positioning Accuracy: +-0.01mm
		SAMSUNG DECAN S1 (3 QTY)	Placement speed: 47000CPH; Placement accuracy:±28um,Minimum size: 01005
		SAMSUNG DECAN S2 (2 QTY)	Placement speed: 92000CPH; Placement accuracy:±28um,Minimum size: 03015
		SAMSUNG SMT481	Placement speed: 39000 CPH; Placement Accuracy: ±30um, Minimum size:0201
		SAMSUNG SMT482	Placement speed: 28000CPH; Placement Accuracy: ±30um, Minimum size:0201
		Reflow Oven JT AS-1000	10 temperature Areas
	LINE D	Auto Printer (GKG-GSE)	Printing Accuracy: +-0.025mm; Repeated Positioning Accuracy: +-0.01mm
		SMT (JUKI3010AL)	Placement speed: 23500CPH; Placement Accuracy: ±30um, Minimum size:01005
		SMT (JUKI3020AL)	Placement speed: 23500CPH; Placement Accuracy: ±30um, Minimum size:01005
		Reflow Oven JT NS-1000-N	10 temperature Areas

Our Factory



Reception



SMT Work Shop



DIP Work Shop



Assembly Work Shop



Testing lines



Warehouse

Production Equipments



Automatic printing machine

- Brand/model:** GKG/G5,GSE
- Working range:**
Max:400*340,Min:50*50mm
- Repeated Accuracy:** ± 0.01 mm
- Accuracy:** 0.025mm



SMT Machine

- Brand/model:** SAMSUNG/S2, S1
- Working range:** Max:740*400 Min:50*40
- Placement accuracy:**
Chip ± 0.05 mm,QFP ± 0.03 mm
- Accuracy:** 0.025mm.



SMT Machine

- Brand/model:** JUKI/3010,3020
- Working range:** Max:650*360 Min:40*40
- Placement accuracy:**
Chip ± 0.04 mm,QFP ± 0.03 mm
- Accuracy:** 0.025mm.

Reliability Test Equipment



Vibration Test Machine

- Brand/Model:** RZ-KR120
- Applicable standards:** EN ANSI、UL、ASTM、ISTA International transport standards
- Vibration frequency:** 100~300rpm
- Bench working size:** 1200x1000mm



Salt Spray Test Machine

- Brand/Model:** RZ-90-SS
- Test methods:** NSS 、 ASS 、 SS , CASS



Temperature & Humidity Tester

- Brand/Model:** RZ-80B
- Temperature range:** -40℃ ~ 150℃
- Humidity range:** 20% ~ 98%R.H.

Contact Us

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