



Deve Electronics(HK)Co.,Ltd
Shenzhen Haode Electronics Co., Ltd



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01

Summary



Founded in 2012, Shenzhen Haode Electronics Co.,Ltd. is a one-stop service intelligent manufacturing digital factory focusing on PCBA R&D, PCBA OEM/ODM and finished product assembly, etc.

Haode has 3 production bases with a total area of 16000 square meters,with 13 fully automatic SMT production lines, 8 Dip lines, 13 test lines, 3 sets of three-proof spraying machines, 36 Finished products assembly lines, and a series of high-precision inspection equipments and reliability test equipments, The daily production capacity of SMT is up to 25 million points, and the finished product can be assembled up to 1000~150,000 PCS.

We have passed ISO9001:2015 quality management system, IATF16949:2016 automotive quality management system, ISO13485:2016 medical device quality management system, ISO14001:2015 environmental management system, CE, FCC, ROHS, high-tech enterprises and other qualifications.

Fully connect the upstream, middle and downstream industry chain, long-term service to more than 200,000 customers in various industries around the world, forming a closed-loop ecological chain of the electronics industry.



Milestones

2012

Founded, Establish the partnership with Sinopec, PetroChina and Media

2013

Establish the co-partnership with Philips Multimedia Audio Division

2014

The PCBA OEM business doubled and the turnover exceeded 30 million.

2019

Co-operation with Ojiahua and Sany Heavy Industry, co-production of honeycomb PCBA with Shanxi Ruixun

2017

Obtained national high-tech enterprise certification and started cooperation with Ojiahua

2015

Fully connect the whole process of PCBA supply chain services, Establish the partnership with Changzhou Ruixing, get the Google, LG headset project PCBA's R & D and OEM business

2020

Again won the national high-tech enterprise certification, and started medical PCBA cooperation with CNNC. Expanded production scale, adding 4 patch lines, 2 plug-in lines.

2021

New factory passed ISO9001 quality system certification, and established partnership with Panasonic.

2022

Obtained the title of SRDI and innovative enterprise, established co-operation with Longyuan Electric Power, and passed the qualification of 16949 automotive electronics.

2023

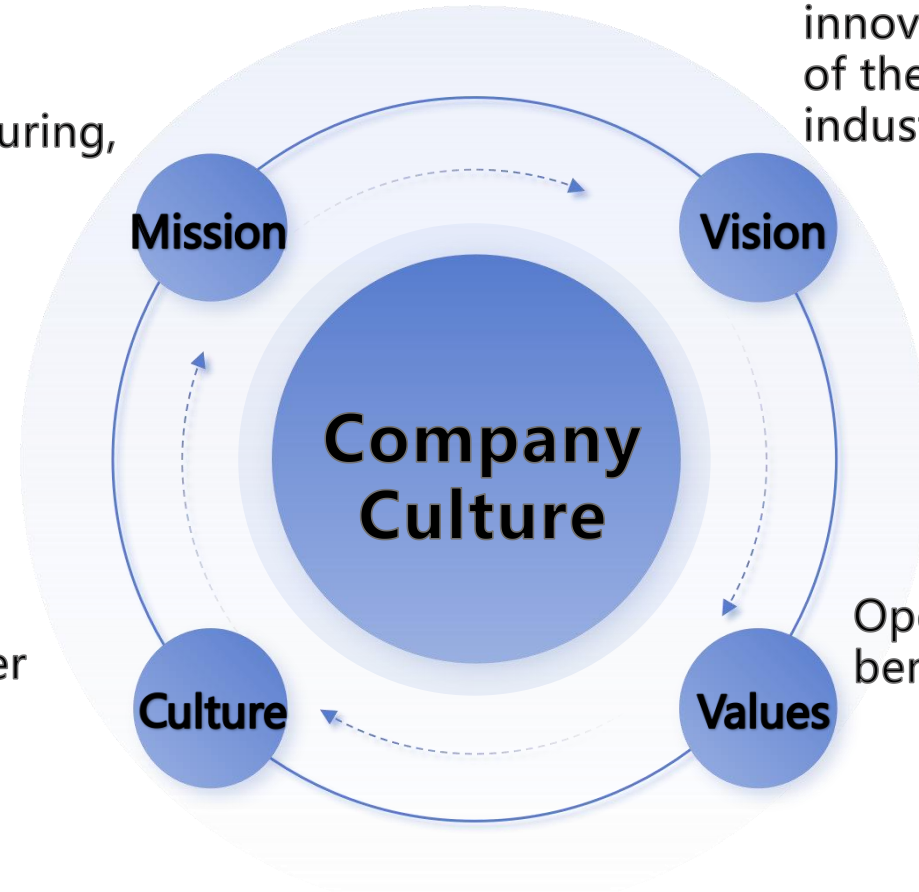
Started the hairdryer project with Haier, expanded the production base, and became a member of Guangdong Hi-Tech Industry Chamber of Commerce.



Company Culture

Empower industry,
Ensure worry-free manufacturing,
Lead in smart electronics.

Customer first,
Altruism first
Service with heart,
Building success together



Providing assistance to the
innovation and development
of the electronic information
industry

Openness, integration, mutual
benefit, All-win



Team Introduction

Electronic industry platform thrives after decade-long growth, Haode ecosystem flourishes.

80+

R&D Team

30+

Business Team

1500+

Manufacturing Team

500 Million+

Annual Turnover



02

Honour



Invention/Design Patents





Utility Patents (实用新型专利证书)





Software Copyright Patents (软件版权专利证书)





03

R&D





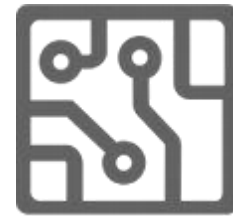
Haode One-Stop Service for Intelligent Manufacturing Digital Factory



PCBA Design



Components
Procurement
One-stop BOM
allocation



SMT, DIP, post-soldering,
TEST programming test,
PCBA electrical
maintenance and
assembly



Finish
products
Assemble



Haode assigns a senior technical engineer to each project.

From the order entered into our company, the engineer participates in the entire process and develop

Material purchasing standards
Production and testing standards
Packaging and transportation standards

Ensure that every step of the process is efficient, accurate and safe for production and after-sales service.



Data-based control

ERP

1. Realize digital management of logistics/funds/information flow, achieving real-time/accurate/efficient performance.;
2. Standardize logistics management (inbound/outbound/warehouse, etc.)/production planning/financial management processes.;
3. Dynamically monitor supply chain data, provide timely feedback, promote management correction, and continuous improvement.

MES

1. **Smart manufacturing:** Combining smart hardware devices with MES software to boost efficiency in each process for faster production and shipping.
2. **Digital management:** MES system digitizes and traces materials and production processes from raw materials to product shipment.
3. **Quality control:** The MES system implements process control on all quality aspects during production, automatically preventing errors, omissions, and loss of control according to set standards.



Laboratory Features:

- 1.Expertise:** with dedicated test engineers & specialized testing equipment
- 2.Variety:** covering testing and validation equipment for raw materials, semi-finished, and finished products in PCBA and final products' full lifecycle
- 3.High Quality:** compliant with international, national, and industry standards
- 4.Standardization:** operations and processes meet international and domestic professional laboratory certification procedures.



Ecological prosperity

Customer
Group

Industrial, new energy, automotive electronics, medical electronics, communication electronics, security electronics, consumer electronics, Robot, commercial display, medical beauty, massage instrument, pet, high-speed hair dryer, intelligent home, intelligent kitchen appliances

Data

Kingdee Data Control System

Workshop MES Management System



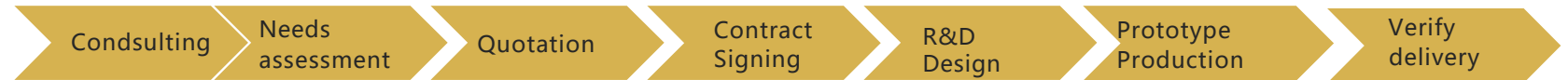
Haode R&D is committed to your creative to realize. According to your needs to provide one-on-one customized development services. you only need to tell us your product ideas, we will help you to realize it

Solution Development

Haode R&D



Cooperation Workflow





Successful Cases

Smart Home

Smart Curtains
Sweeping Robot
Intelligent Pet Series
Intelligent Hotel Door
Control System
Intelligent Sensor
System

Consumer Electronics

Bluetooth Audio
Small Fan Series
Fan on neck
Teeth cleaning
Electric toothbrush
Heating products
Hair dryer series

Smart Industry

Industrial Control
Machine Line Robot
Ultrasonic Industrial
Cleaner
PLC Terminal Controller
Toxic and Hazardous Gas
Sensors
Hydrogen Sensor
Miniature Infrared
Propane Sensor

Security Products

Smoke Sensor
Door Alarm
Intelligent monitoring
equipment
Intelligent Door Lock
Fire Monitoring

Medical aesthetics and medical care

Helicobacter pylori Tester
E. coli Tester
Intimate Care Instrument
Medical Surveillance
Management
Dental Care Instrument
Cosmetology

New energy

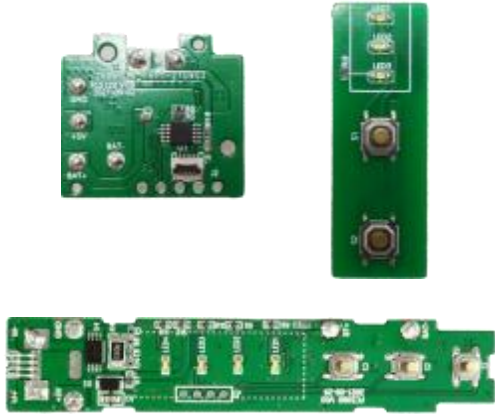
Charging Station
Gasoline dispenser
Wind Power
Inverter
Energy Storage Box

Automotive electronics

Car Fragrance
Generator Center
Console
Wireless Charger
Automatic Door Control
System
Oil Valve Control System
Communication Module



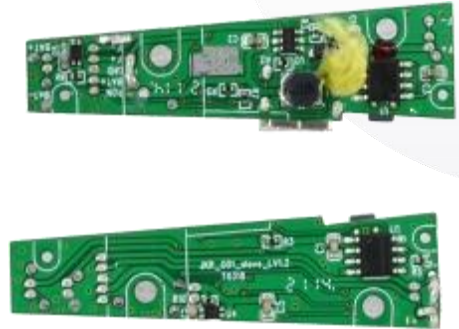
Successful Cases (Partial))



Teeth cleaning



Electric toothbrush



Fan on neck



Industrial



Consumer Goods



Business category



Finished products cases(Partial))



Pet smart drinking fountain



high speed hair dryer



MUZEN Speaker



Electric toothbrush



Commercial Robot



Fan on neck



04

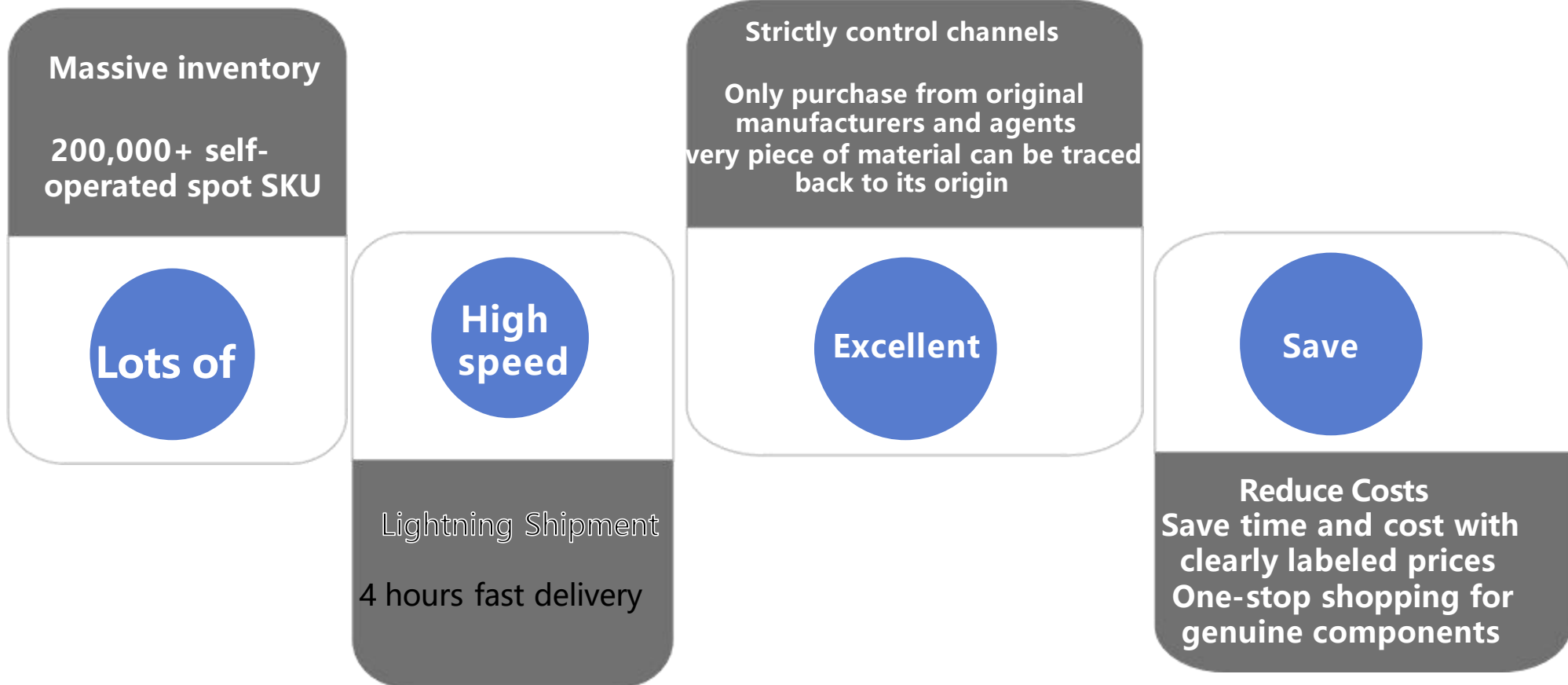
Purchasing



Established long-term strategic partnership with more than 10,000 brand manufacturers and authorized distributors,
Set up a large warehouse of 2,000 square meters with 200,000+ SKUs in stock.
So far, we have provided one-stop service solutions for 3000+ electronic enterprises, engineers, R&D organizations, such as "component selection, procurement, BOM allocation, overseas purchasing", and so on.

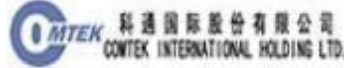
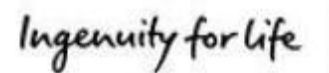
Raw Materias Procurement Platform

Haode purchases

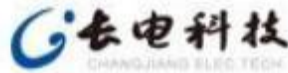




Genuine guarantee: Double guarantee for domestic and foreign brands



HKT



omeon

TOSHIBA





SMT/ PCBA OEM

We can provide customers with one-stop services such as " BOM materials procurement, SMT mounting, DIP plug-in post-soldering, software download TEST, PCBA electrical repair, three-proof paint coating, assembly and packaging".

Professional



12SMTlines
SPI, AOI, X-ray
inspection

Service



TESTburningtest, PCBA
electrical maintenance,
assembly and plug-in
provide customer- supplied
SMT processing services.

Convenient



Purchasing BOM
materials, own PCB
factory,
One-stop solution

Lead time



Material to all,
fast scheduling online,
delivery time is
guaranteed (3-5 days)

Process Capabilities

PCB size: 50×50mm-510×460mm
PCB board thickness: 0.4mm-4mm
SMD component size: 0201-45mm
SMD component spacing: IC:
the minimum identifiable spacing is 0.35mm
Component height: up to 15mm
SMT accuracy:
Chip type : ±0.04mm, 1C type :±0.035mm

Haode Intelligent
Manufacturing
Digital Workshop



05

Workshop





Intelligent manufacturing digital workshop



Production capacity

Haode provides you with the most comprehensive one-stop service.
Professional, fast, efficient, high quality - your long-term strategic partner!

SMT

SMT Daily production capacity:

25 million points/day

DIP Post Weld Test Processing

Daily production capacity

DIP :80W points/day

Post-soldering :6w sets of PCBA/day

Test: 6W PCS PCBA/day

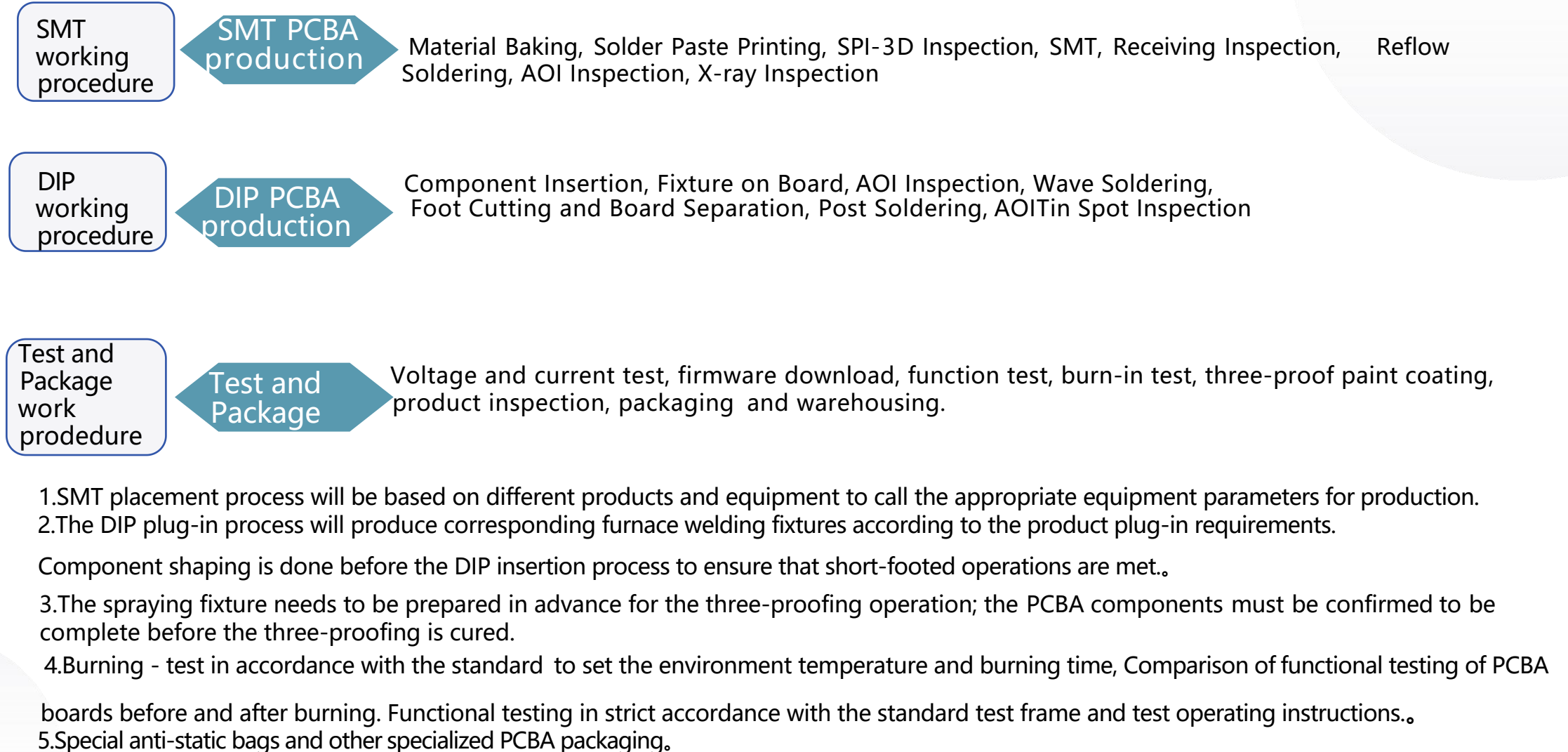
Assemble, packaging, and finished products machining

Daily production capacity:

50,000-150,000 pcs/day

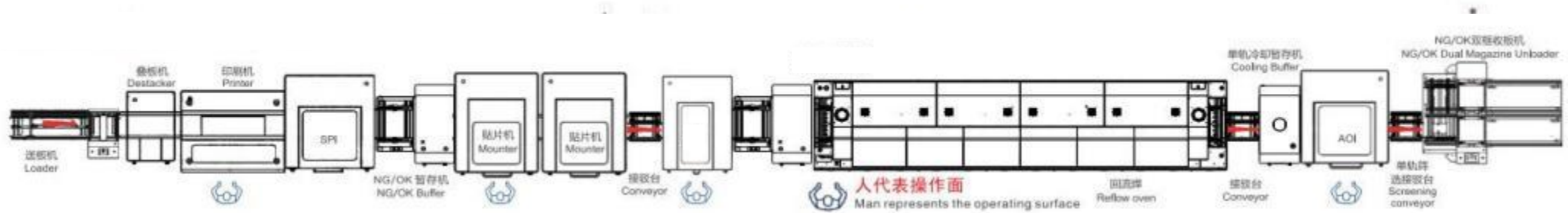


PCBA Production Process Flow





Production Workshop Equipment Flow



loader

solder
paste
printer

3DSPI
Inspection

SMT
Mounter
group

SMT
docking
station

reflow
soldering
Oven

on-line AOI
inspection

Board
storing
machine



插件线
(Plug-in wire)

接驳台
(Connecting refute platform)

无铅波峰焊
(Lead-free wave soldering)

出板机
(Ejector plate)

p皮带线
(Belt wire)



Production Equipment (partial)



13 fully automatic printing machines



13PCS 3DSPI testing machine



39 sets High-speed molder



Intelligent first piece detector 2 sets



Reflow soldering Oven 7 sets



Automatic optical inspection (AOI) 13 sets



Production Equipment (partial)



X-RAY non-destructive testing machine 2 sets



DIP post-furnace AOI 5 sets



Computerized wave soldering 7 sets



DIP Furnace AOI 5 sets



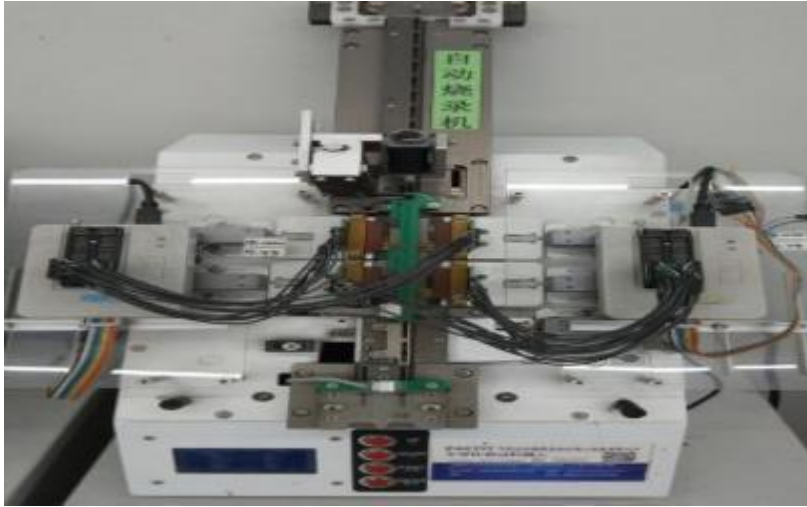
Fully Automatic Three-proof Paint Coating line 3



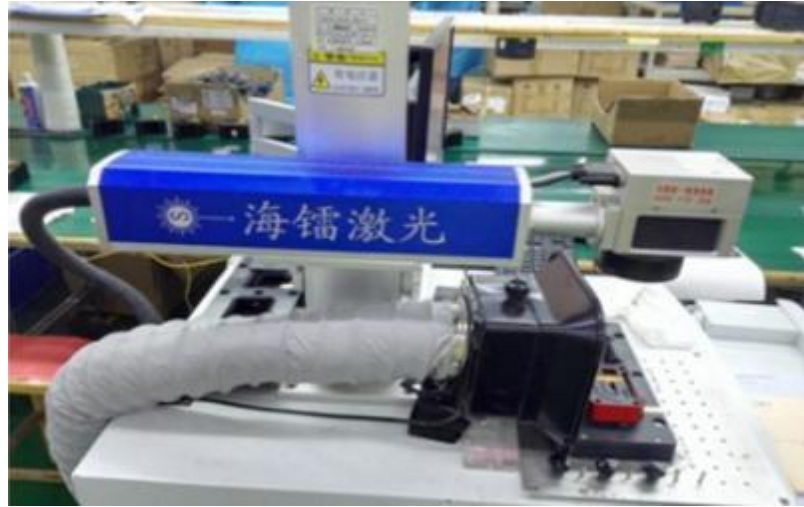
Milling cutter type divider



Auxiliary equipment (partial)



2 Automatic Software downloader



Laser Engraving Machine



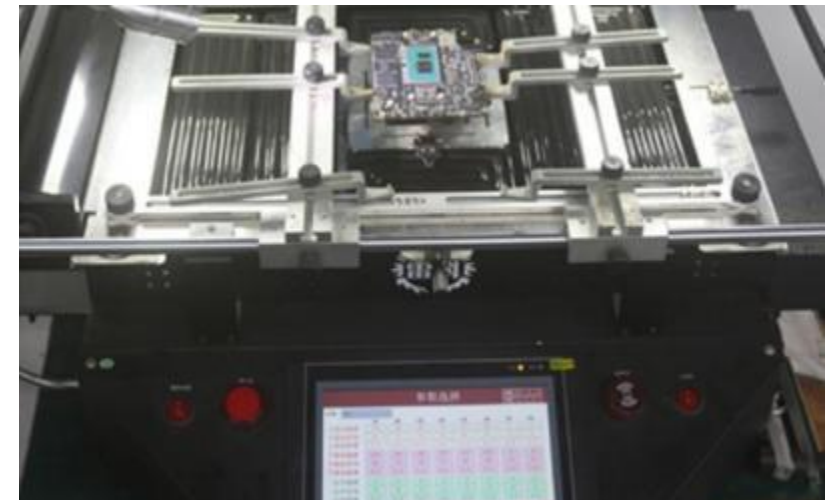
Heat Shrink Machine



4G Module Calibration Instruments



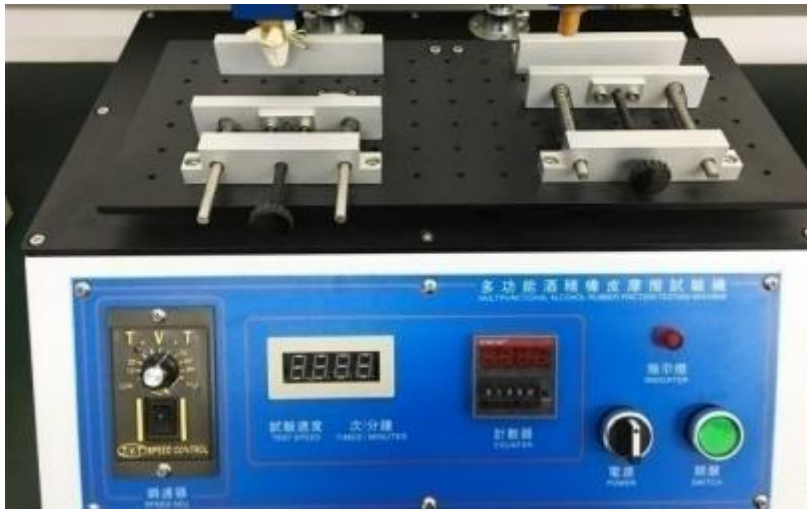
ROHS Tester



BGA Rework Station



Laboratory Equipment (Partial)



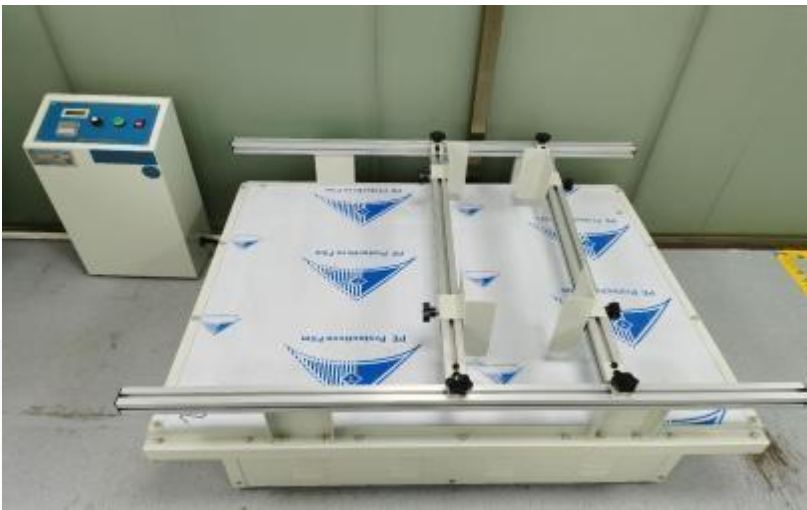
Multi-function Rubber Friction Tester



Programmable constant temperature and humidity tester



Battery Tester



Simulated Transportation Shaker



Transistor Tester



Salt Spray Test Equipment



Production hard power - people and environment



.Factory environment
.Professional Team



.Online Operation
.Senior Engineering





Quality Assurance - Management System

Haode PCBA has passed all series of quality management system, environmental management system and intellectual property management system certifications, and strictly carries out process control, data control and visualization control through Kingdee and MES system to achieve high reliability of product delivery.

Quality Objectives

Production first pass rate > 99%

Punctuality

> 95%

Customer
Complaint rate

< 0.5%

Lean
Manufacturing

Safe production and efficient output

6S management: systematization, tidiness, standardization, safety, self-discipline, modularity



Our Customers



Haier

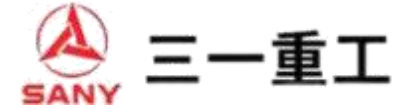
oidea

KONKA



Lenovo

SKYWORTH
创维



大族激光
HAN'S LASER



PHILIPS
飞利浦



深圳大学
SHENZHEN UNIVERSITY



国家能源集团
CHN ENERGY

龙源电力集团股份有限公司
CHINA LONGYUAN POWER GROUP CORPORATION LIMITED

AISPEECH 思必驰
专注人性化的智能语音



THANK YOU!

Empowering the industry chain,
making manufacturing worry-free!



Deve Electronics(HK)Co.,Ltd
Shenzhen Haode Electronics Co., Ltd

