NEO ELECTRONIC TECHNOLOGY







2024.12.06

Table of Contents

01. **Company Intro**



Neo Electronic Technology design and manufactures mobile accessories related to PC, tablet, phones.

Product Intro 03.



- 1. Business Category
- 2. Keyboard module, TP module, PCBA product
- 3. Neo's Brands

02. Production Capacity



Neo Electronic Technology operates the Nantong and Foshan factories in China. The company operates and owns about 1,000pcs of production equipment

04. **Quality Management System**



- 1. Quality Assurance 2. Testing Methods
- 4. Quality Management System Certification 3. QMS

01 Company Intro

You are always

Welcome to visit Neo Electronic Technology

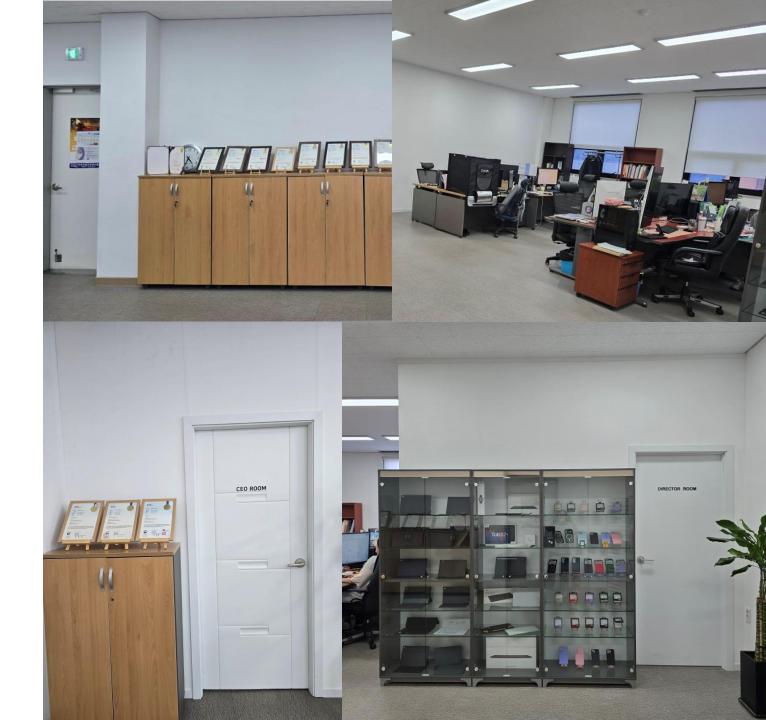
Our brand name NEOS refers to the people who create new things based on what our customers need the most and want the most. We will always be awake to move forward to our customer with new technology. Neo Electronic Technology is going to be made from each one of us, thus NEOS is our brand.



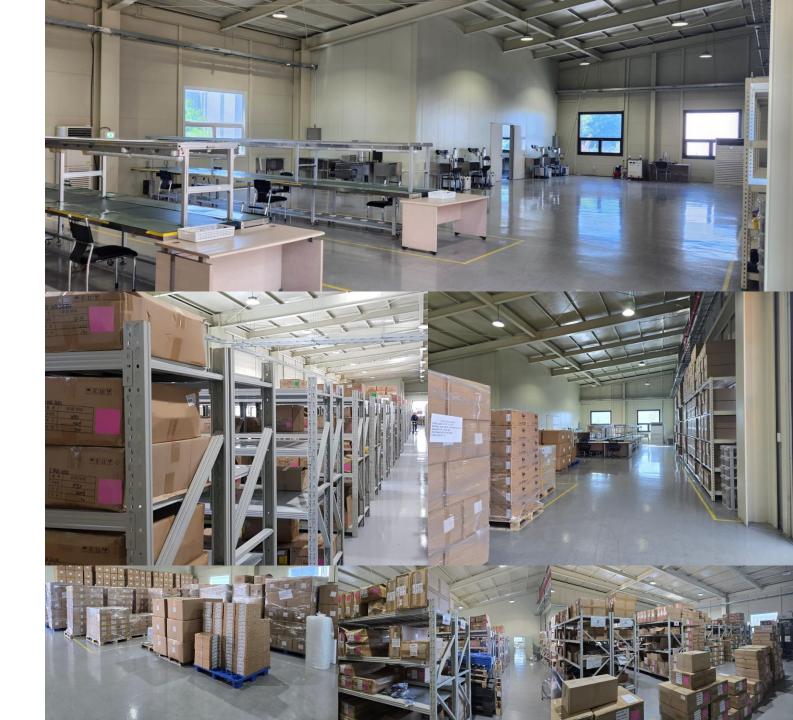
01 Company Picture

Office Picture





O1 Company Picture Warehouse Picture



Basic Information

NAME: NEO ELECTRONIC TECHNOLOGY CO,.LTD

FOUNDED IN: 2013.04.15

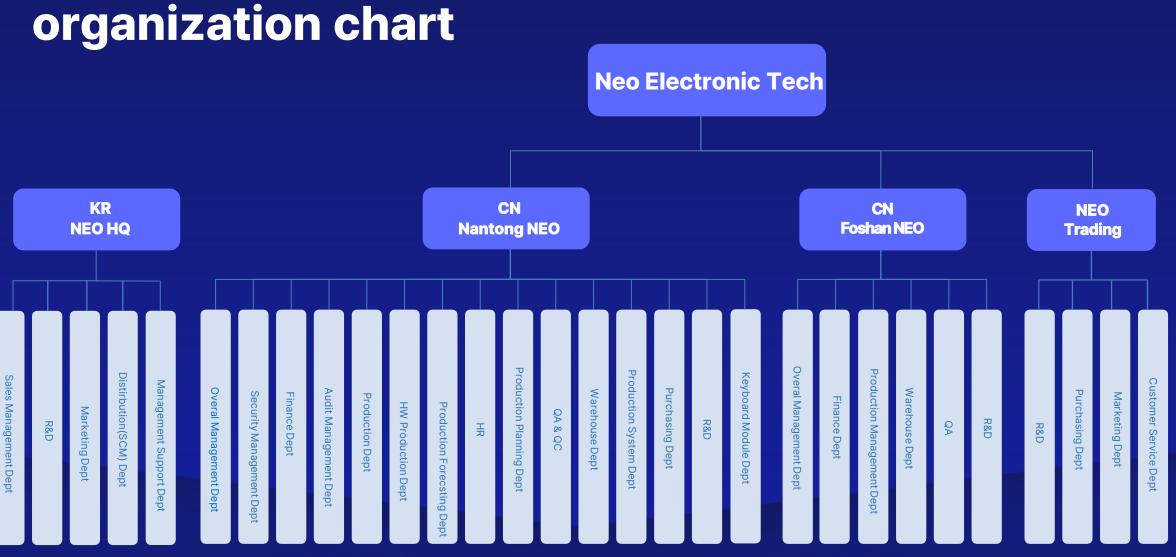
SUBSIDIARIES (BRANCH)

Foshan NEO Electronic Technology 2015.05.27
 Nantong NEO Electronic Technology 2022.06.24
 (Guangzhou NEO Electronic Technology moved to Nantong, founded in 2017.09.27)

BUSINESS AREA: Designing and Manufacturing and Selling mobile accessories of phone, tablet, pc etc.



Affiliate organization chart



Milestone of NEO

2013-04-13 - Neo Eletronic Technology founded

- Registered as Brightstar Vendor, the largest mobile distributor in the United States

2015 - Foshan NEO Electronic Technology factory established

- Delivered Chargers to Uber India

2017 - GuangZhou NEO Electronic Technology factory established

- National Geographic Licensed products supply

2018 - Winter Olympic Russian World cup products supply

- GuangZhou NEO Factory Disney FAMA Certification

2019 - TopGear brand contract with BBC, UK

2023

- Started joint development for keyboards and book covers for LG Electronics (10.4")

- Guangzhou NEO Electronic Technology moved to Nantong and established for Nantong Factory

- Nice D&B Certification rewarded for Excellent Technology possessed Company

- Started supplying Samsung Electronics book pen and keyboard products

- Neo Electronic Technology Co., Ltd. Disney FAMA certified

2024 - Samsung Electronics SMAPP Registration

- Samsung Electronics B2B pogopin keyboards manufacture and supply

- Samsung Electronics B2B New Business Award WinnerSupplied 300,000 Bluetooth keyboard Korean educational institutions and 200,000 pogopin keyboards, achieving sales of 25 billion

Company Branch



02 R&D Production Capacity

- Industrial Experience
- Project Development
- Keyboard Module
- Trackpad Module, PCBA
- Mobile Accessory

- Structure Engineering
- Hardware Engineering
- Software Engineering
- Manufacture Process



Industrial Experience

Mobile, PC, Tablet Accessory products, Keyboards, Touch Pad Module, PCBA accessories, Intel eco-products business



▶ 11 years

Leather industry experience

1

▶ 7 years

Two-in-one keyboard experience

Industry experience

7 years

Experience in tablet keyboard

▶ 5 years

PCBA development experience



Project Development

Starting from product design to massive production cycle

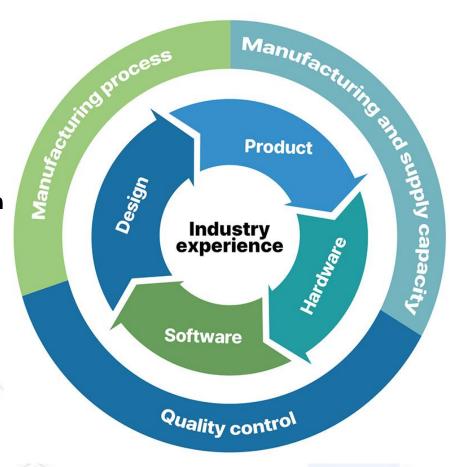
Starting from all types of mobile accessory's modules, structural design hardware engineering, software engineering,

to massive manufacturing process,

Neo Electronic Tech is all-in-one manufacturer.

We are the most suitable and rich in the mobile accessory industry.

We have several professional teams to build up our customer's needs who are constantly creating customer's satisfaction.



Keyboard Module (1)

Professional QA

We have latest automatic testing machinery such as keyboard module life cycle, key load, elastic curve, drawing force, stroke and drop test.

Specialized Production

We have standard and specified 8 lines of manufacturing only for the keyboard modules following with the industrial standard.

Professional Team

R&D, Engineering, Production, Quality Assurance/Control teams are made up of over 10 years experts.



Customized Design

Many brands, to whom are our current customers, satisfied with our co-work and have passed many testing methods that were appointed by each brands.

Factory partners above certain level

Injection molding, RB, M/B stamping parts, keyboard back light pannel, etc, are procured with certain quality certified partners.



Keyboard Module(2)

Key tester

Automatic high&low



combination machine

Automatic appearance inspection machine



Automatic function testing machine



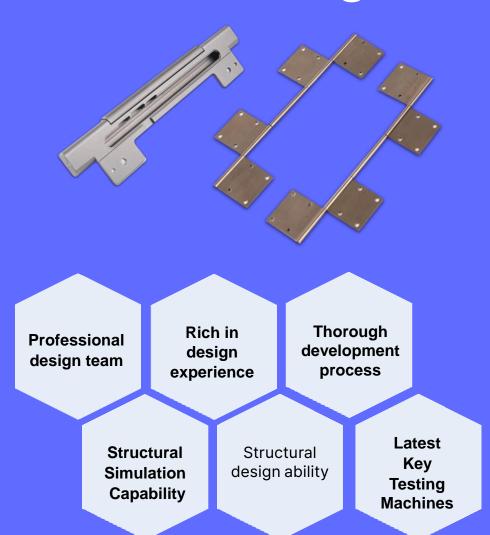


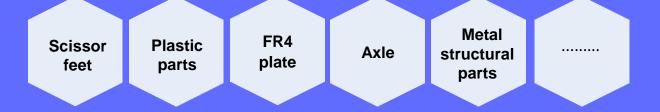
Automatic key

Automatic key backlight testing machine



Hardware Design





Perfect triangular combination of Structure Design, Production Capacity, SCM resources



Hardware Testing Lab

Professional
hardware R&D team
with working many
experiences in
consumer electronic
hardware

PCBA design &
Engineering also same
with Trackpad. Have
high standard Product
Quality Testing
Methods with latest
auto machines

Have many
experience with
PCB/FPC/Hard&Soft
boards with more
than 8 or more layers
and HDI desgining

Have designed and developed hundreds of PCBA models for many famous brands



Quality Control and Assurance test

SMT factory cooperation



Software Development











Manufacturing Capacity

Manufacturing technology of neat leather case keyboard covers

Rich experience in holster + keyboard integration with PU covers Customized tooling for process equipment

Improved capability of keyboard assembly and key detection

Shaping

Laser cutting process

Hot pressing process

Cold Pressing process

Dispensing Process



Semi-finished product & finished product function test

Packaging, CCD detection

Data collection and scanning

Two dimensional tracking system in both material parts and product

...

Manufacturing and Delivery system

Factory distribution

Nantong & Foshan factory in China

Keyboard Module line in factory

8 lines distributed only for keyboard modules and 2 automatic production lines

Assembly & QC

There are 60 assembly lines and nearly 1,000 production equipment.





03 NEOS Product Intro

- Serviced Brands (OEM/ODM all included)
- Keyboard module, TP module, PCBA products
- SMAPP Keyboards





Serviced Brands (OEM/ODM) All Included

The current end brands we serve include Huawei, Lenovo, Samsung, Xiaomi, Honor, Intel, LG, Dell, HP, Logitech, ASUS, Vivo, OPPO, Raygold, Machenike, Blasoul, and other globally renowned brands.

































2 in 1 Notebook Keyboard





Samsung A7 series
Two-in-one computer keyboard (2020 version)

Honor V7 series
Two-in-one computer keyboard (2021 version)

Tablet keyboard product line-up



Samsung tablet intelligent keyboard



Huawei tablet intelligent keyboard



Honor tablet computer intelligent keyboard



Lenovo tablet intelligent keyboard

Keyboard, TP Module, PCBA

From tablets to laptops, we provide customers with full-size and multi-format keyboard modules, TP modules, and PCBA solutions, all developed with the expertise of our professional design team.















TP module



PCBA

2 in 1 Notebook Keyboard



Huawei Matebook E series 2-in-1 computer keyboard (2021 models)



Lenovo YogaDuet series
Two-in-one computer keyboard (2020, 2021 models)

SMAPP Detachable Keyboard Cover



SMAPP Keyboard Cover Cases: Magnetic Detachable Bluetooth Keyboards

Applying Models:

Galaxy Tab S6 Lite (SM-615), Galaxy Tab A9+ (SM-216), Galaxy Tab S9 (SM-710), Galaxy Tab S9+ (SM-810), Galaxy Tab S9FE (SM-516), Galaxy Tab S9FE+ (SM-616)

SMAPP Pogopin(3pin) Keyboard Cover







SMAPP Keyboard Cover Cases: Pogopin Keyboards

Applying Models:

Galaxy Tab A9+ (SM-216), Galaxy Tab S9 (SM-710), Galaxy Tab S9+ (SM-810), Galaxy Tab S9FE (SM-516), Galaxy Tab S9FE+ (SM-616) Galaxy Tab S10+ (to be manufactured)

Tablet Book Cover











Many types are available according to customer's needs.

04 Quality control

- Quality capabilities
- Testing methods
- Quality system
- Quality system certification



Major business products

KeyBoard/BookCover



- Tablet Keyboard
- Notebook Keyboard
- Tablet Case
- PC 2 in 1 Keyboard Case
- TP Module PCBA
-

PC/Tablet Accessories



- Keyboard integrated machine
- Mouse
- S pen
- NUC
- OPS host
-

ETC Accessories



- Tablet PC/Phone protective cover
- Computer storage bag
- Docking station
- Intelligent support
- Charging pen holder
- •

Quality KPI (Key Performance Indicators)

Customer Satisfaction

Performance management strategy

Performance target analysis

Platform support

Digital performance management

Research and development quality

evaluation plan, and enhance customer satisfaction

R&D performance management

Project progress deviation rate

EVT/DVT delivery achievement rate

On-site research and development performance management

Testing site performance management

Customized domain performance management

Hardware/structural area performance management

Quality performance management

Incident/customer complaint/batch issue management

First pass yield improvement

FFR (First Failure Rate) achievement rate management

QSA (Quality System Audit)/QPA (Quality Performance Assessment) quality performance

IQC (Incoming Quality Control)/FQC (Final Quality Control)/OBA (Outgoing Quality Assurance) quality specifications

Criticality maturity management

Process digital management

Digital management of R&D process capabilities

Digital management of quality process capabilities

Lean production improvement

Critical event assurance

Barrier protection by item for R&D performance reverse deduction

On-site OBA (Outgoing Quality Assurance) quarantee

PPR (Pre-Production Review)/PCN (Product Change Notification) and other deduction items for protection against defects

KPI and Quality Practice Traction

Question and Answer Mechanism

Classify and decompose customer quality metrics according to customer requirements, establish the corresponding

Positive Reinforcement

Maturity of Initial Materials

Process Quality Monitoring of Research Projects

After-Sales Quality Assurance for Mass Production Projects

Warranty from Each Specialized R&D Institution

Three Changes and One Stability + Strict Progress and Strict Shipment

EWP Team Support

Case/ES EV/DV/PV - DFX MP - LSS EOL

>

Customer

Requirements

Customer Quality Assurance

- * Distinguish the diverse quality and service requirements of customers
- * Monitor negative trends in FFR/OBA and mitigate risks
- * Improve the efficiency of responding to customer complaints
- * Enhance the classification and inspection mechanisms for customer complaint measures

Quality and Laboratory (QS)

- * Perfect NPI (New Product Introduction) Process and Specifications
- * Establish and Monitor ESD (Electrostatic Discharge) Systems
- * Monitor and Implement Supplier HSF (High-Sensitivity Function) Systems
- * Multifunctional Requirements for Laboratory Personnel

Supplier Quality (SQA)

- * Supplier/Disqualification Requirement Mechanism
- * Enhanced Mechanism for 4M Supplier Changes
- * Establish Size Matching Criteria in Collaboration with RD and DOA
- * Perfect IQC Inspection Mechanism

Product Quality Assurance

- * Process Quality Control (PQCP, PEFMA, SPC...)
- * Digitize information, increase analysis speed, and improve processes
- * Preventive mechanisms for MES systems.
- * Implement a Lesson Learning management mechanism to prevent recurrence.
- * Execute OBA (Out-of-Box Audit)

Quality (DQA)

- * Establish TR overpoint requirements and introduce an overpoint review mechanism during the NPI stage.
- * Build and implement an LL (Lesson Learned) system and learning mechanism.
- * Issue key designs from the system and verify through DFMEA review after completing the learned content.
- * Facilitate the NÜD (New Understanding Document) mechanism for reviewing new machine materials.

QS Quality Service



Laboratory

NEO Elec Tech tests products performance, mechanical reliability, and environmental reliability. This is to ensure product quality that meets customer expectation.

Product Function Testing Mechanical Reliability Testing

Environmental Reliability Testing







Testing Equipment and Machinery-1





The company possesses various types of test environmental facilities and environmental testing equipment.

Mechanical Reliability Environmental Reliability

Coating Reliability

Packaging Reliability

Leather/PU Reliability

Charging and Discharging Tests Frequency
Communication
Power
Consumption
Measurement

Testing Equipment and Machinery-2









Ellisys bluetooth BLE protocol analyzer

Logic analyzer

Thermal imager

Multichannel temperature tester







Programmable power supply

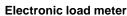


CM500 wireless comprehensive measuring instrument



Programmable multimeter











Oscilloscope

Thank You!

Give Customer a complete Mobile Experience with NEO's Mobile Accessories!

Neo Electronic Technology Co., Ltd.
3rd floor, 42 Cheomdansaneop 1-ro, Gunpo-si, Gyeonggi-do