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LUPHI ELECTRONICS TECHNOLOGIY CO., LTD.

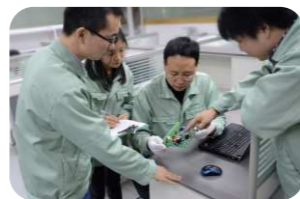
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TORTAI TECHNOLOGIES CO., LTD.

A CONTRACT ELECTRONICS MANUFACTURING
SERVICES PROVIDER



WHEN PRODUCT RELIABILITY REALLY MATTERS,
YOU CAN RELY ON TORTAI.

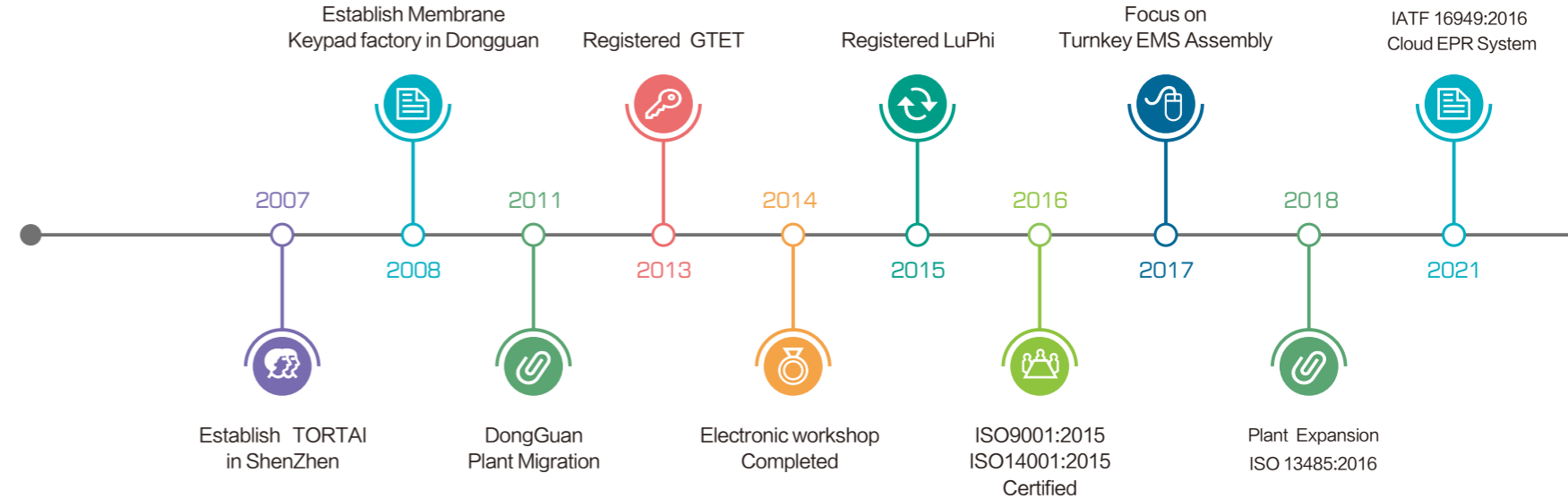


INTRODUCTION

Tortai Technologies is a contract electronics manufacturer located in Guangdong, China. Focus on providing high reliability electronic manufacturing services. Tortai has two factories, one for electronic assemblies and manufacturing, covering 4,600 square meters; The other, which produces human-machine interface, covers 3,000 square meters. Since 2007, we have leveraged our global manufacturing expertise and resources to effectively provide our customers with the highest quality, cost-effective electronic manufacturing services that can be delivered on time and within their planned needs.

We specialize in printed circuit board assembly (PCBA), human-machine interface assemblies, electronic wiring harness assemblies, hardware & plastic parts from prototype to production. Tortai delivers electromechanical sub-assemblies and complete custom products. As experts in solving PCBA's intractable problems, we are one of the trusted partners of many Fortune 500 companies with complex and diverse needs.

HISTORY



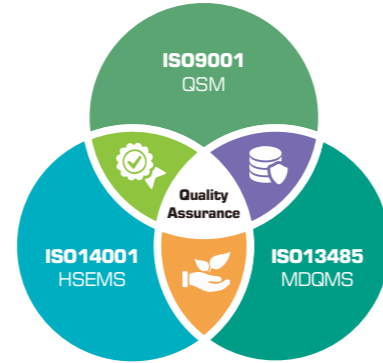
QUALITY

Quality Policy

- Understand customer expectations and need
- Continue to create new value to customer
- Solve problems promptly
- Continue to improve our process, system, products and service

Quality Target

- Product pass rate:>99%
- Timely delivery rate:>98%
- Customer complaint rate:<1%
- Customer satisfaction rate:>98%

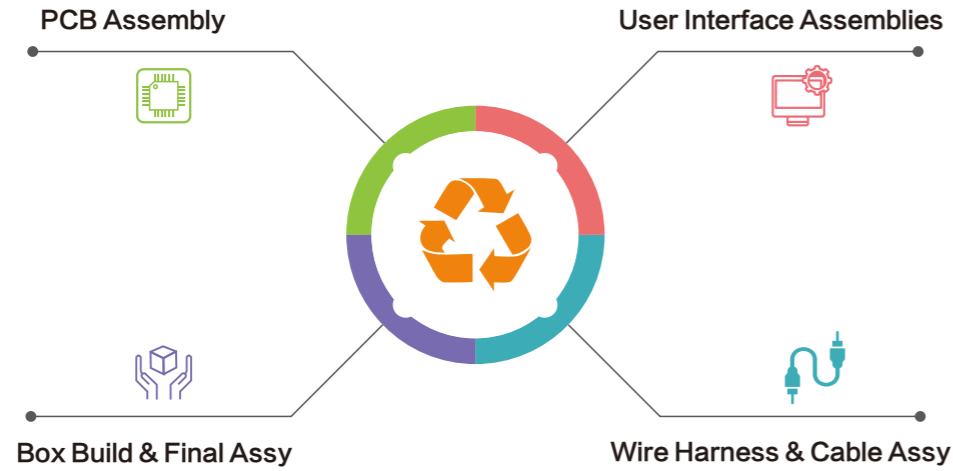


Quality Assurance Process

- Say what you do
- Do what you want
- Record what you have done
- Review what you have done
- Take remedial action where necessary



WHAT WE DO



INDUSTRIES



Industrial Equipments



Medical Fields



Security & Safety



Military & Aerospace



Energy & Power



Automotive & Transport



Financial Field

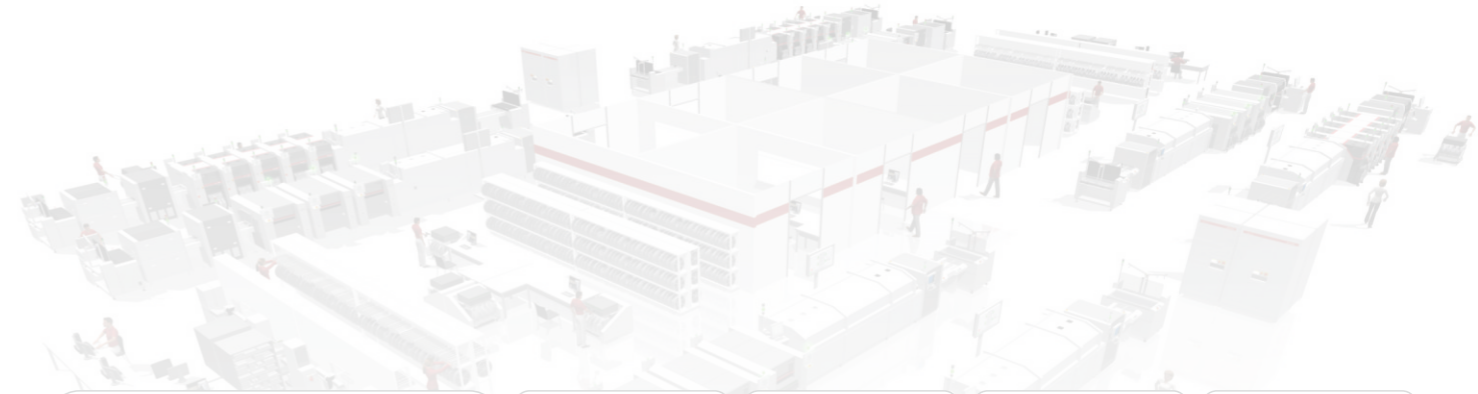
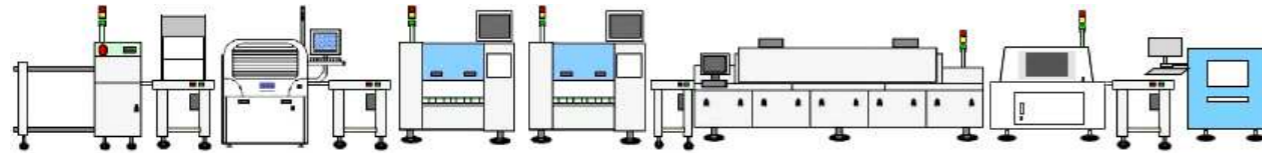


Others

PCB ASSEMBLY

Tortai focuses on the needs of markets that require a complete range of PCB turnkey manufacturing services with low to medium volume requirements. Reasons for choosing PCB Assembly services from Tortai:

- We offer all types of assembly technologies
- We are able to mount parts of all standard sizes (01005 to 45 mm x 45 mm–BGA, μ BGA, Flip Chips, CSP, Connectors–Long Connectors 100 mm)
- We also offer manual assembly and wave soldering
- We undertake production in small or large volumes as well
- Our defective fraction is lower than 0.15 %
- Our special mounting solutions include: programming, varnish cover, coating, draining, labelling
- We undertake the development of printed circuits and the production of prototypes as well
- We produce the smaller plastic parts in our own factory via plastic injection moulding
- Numerous testing methods are available
- We conduct the purchasing of parts, quality assurance, packaging, logistics
- Our products are available on favourable prices
- Cost–minimizing solutions
- Flexible and fast delivery



• For more details, please refer to: www.tortai-tech.com

INTERFACE ASSEMBLIES

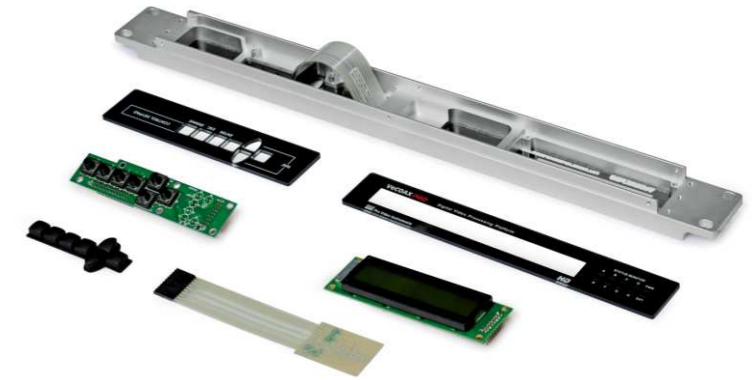
Tortai is a Company specializing in the design, engineering and manufacturing of custom Human Machine Interface (HMI) Products. We have been operating for 10 years, with local and international partners. During of company activity, Tortai has developed and produced hundreds of display devices for variety of products and industries. From Membrane switch keypad and Silicone rubber to Control bezel panel and Interfaces assemblies. Tortai is your trustworthy partner to design and manufacture your next or upgrade your current Human Machine Interface assembly (HMI).

We take responsibility for the entire project and save your development time and cost. You get a fully documented design that simplifies your operation, and you purchase one part from us instead of several, with consequent savings in purchasing, administration, logistics, manufacturing costs, and inventory management.



Turnkey user Interface assemblies is where we can combine two or more aspects of your design into the product that we deliver. This allows us to give you higher level assemblies which reduces the labor and inventory carrying costs. Tortai can design and procure all components or build a customer's BOM. A complete turnkey user interface assemblies will contain the following components:

- Printed Circuit Boards
- Membrane Keypad Switches
- Silicone Rubber Keypads
- Cable Assemblies
- Metal Parts
- Plastic Housings
- Connectors
- LCD/Touch Screen Integration
- High Tech Light Guide Films
- Embedded Software and Firmware

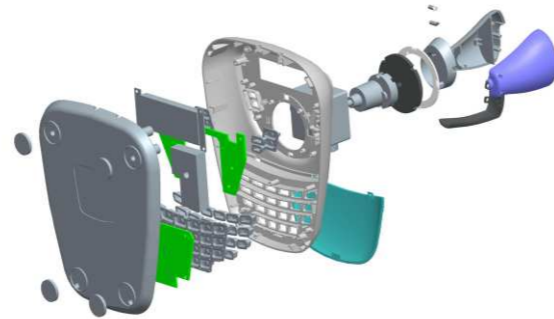


BOX BUILD & FINAL ASSEMBLY

Tortai manufacturing's box build assembly and mechanical engineering capabilities are integral to our turnkey electronics manufacturing solutions. Complementing our PCB-level assembly services, Tortai's box build assembly services is a comprehensive array of electro-mechanical assembly, cabinet assembly and full system integration services. It covers everything from putting a PCB assembly into a simple enclosure and connecting it to an interface, to a comprehensive machine that houses a variety of parts and sub-assemblies.

Our box build manufacturing expertise encompasses:

- Cables
- Harnesses
- Complex looms
- Backplanes
- Plastic housing
- Metal Box Enclosure
- Rubber Components
- Sub-modules
- Complex electro-mechanical assembly
- Electro-pneumatic assembly
- And higher level integration and assembly of high mix, high complexity products.



Our customers take advantage of tailored, flexible, configure-to-order, system integration and test services. These provide a total turnkey manufacturing environment for highly configurable, complex, "box build" products. Our purchasing, logistics, inventory control and production engineering groups work together to deliver the highest levels of service consistently, in this most demanding aspect of the electronics manufacturing services business.



WIRE HARNESS & CABLE ASSEMBLY

Tortai origins lay in custom cable and wire loom assembly. We have significant skills and expertise to bring to customers' products. For OEMs requiring simple cable assemblies through to complex wiring harnesses, you can be confident that Tortai will provide a high-quality service. We can manufacture a broad range of cable assemblies, from prototype to volume production. We also co-ordinate the entire supply chain and provide certifiable tractability.

Tortai has a breadth of experience gained producing simple point-to-point cables and straightforward looms, to multi-component assemblies and complex looms. We can process cable from 36AWG to 6AWG for use in demanding environments, including medical, surgical or high-end audio.

Whether your requirement is for a single-ended wire or a full harness complete with connectors, switches and fuses, you can be confident that we will provide a high-quality service, right first time.

Wide Range of Products experience:

- SFP connectors
- Magnetic RJ45 jacks
- Modular jacks + USB
- Modular jacks + HDMI
- IP camera link cables
- DC Jack series
- Sinking plate RJ45 connectors (low profile)
- 10/100/1000 base-TX modular jacks
- DVI series
- HDMI series
- FPC series



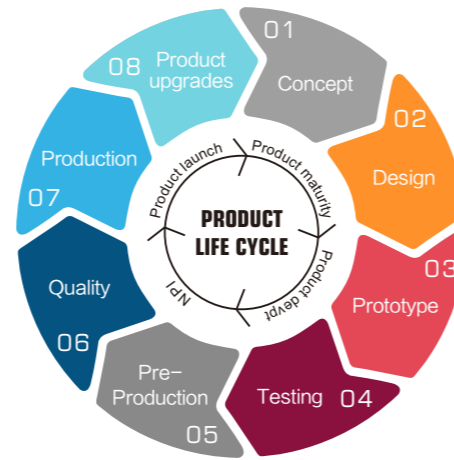
SERVICES

NPI Engineering

To ensure a smooth product launch, we deliver not only our customers' products on time but also provide them with post-NPI build services, plus feedback on what can be done to improve product quality and manufacture ability. We also provide guidance on component selection, printed circuit board (PCB) layout, chassis design, cable design and test planning, and innovative technical solutions for micro-packaging and complex functional test.

In addition, we assign a cross-functional project team with expertise in engineering, test and supply chain, providing customers with the resources necessary to get a product to market on time and on budget. Tortai Technology can do this by offering a complete end-to-end supply chain solution managed by teams that provide:

- Design support for customer's product development
- Prototyping
- Test system development
- Printed circuit board (PCB) and backplane fabrication
- Enclosures, plastics, machining and cable assembly
- System assembly and test



Electronics Design

Tortai Technology offers a specialized expertise in vertical electronic manufacturing services. Our engineers can advise on PCBA, cabling, design and final box build, and will help to produce electronic components that exceed expectations for performance and value. We provide engineering assistance on array of electronic considerations. With a corporate culture driven by excellence and some of the industry's latest equipment and technology, our engineers can optimize the design and production of your electronic products. We help to lower costs, improve performance and ensure your parts exceed expectations.

Our expert electronic engineering team often:

- Evaluates surface considerations including board thickness, pad size and surface finishes
- Reviews assembly and design factors
- Designs the stencil thickness and hole size to ensure the solder joints meet IPC-610 standards.
- Works to ensure SMD components are handled per the MSL classification.
- Ensures SMT processes avoid thermal and mechanical damage
- Works to ensure components meet all compliance requirements
- If needed, fine tune the SMT process based on AOI, X-ray inspection and testing data.
- Expert Electronic Engineering Capabilities

SUPPLY CHAIN MANAGEMENT

The strong Supply Chain is based on the Chinese Manufacturing Industry

In Tortai, our supply chain management system is an integral part of our cost competitive advantage. The combination of people, processes, and software creates a highly responsive system that captures changing customer demand on a daily basis and distills it through multi-level, complex Bills of Material down to each discrete component, sub-assembly, and top level assembly. We recognize that our customers' demand cycles require scale-ability in both directions, and our vertically integrated supply chain is equipped to handle them. Our ability to accelerate the material and capacity pipeline is equally matched by our ability to slam the brakes when required, minimizing financial exposure.

Not only provide PCB Assembly and Interface Assemblies, Tortai also helps customers develop and customize parts. These include plastic parts, silicone buttons and hardware parts. We provide one-stop processing services for global customers and help them solve supply chain problems and reduce procurement costs. These partners have been our partners for more than 10 years and share the same quality awareness and business philosophy. In addition, these partners are all within a radius of 150 Km, and the longest journey is no more than 2 hours, this provides a strong support for our quick response and efficiency of problem solving.



Giving you a cost-competitive supply chain advantage

In addition to the world-class supply chain management systems supporting our manufacturing business, Tortai offers a standalone material procurement service. Typically between 30%–50% of the cost of a product is material and lead time of between 12–20 weeks are common.

Our material procurement service takes the strain out of component shortage issues, ensuring minimal disruption to your supply chain. We have significant experience in the international sourcing market to keep our customers achieving a distinct competitive advantage in material procurement.

Tortai can provide small-batch components and various IC samples without MOQ restrictions. We are close to Shenzhen commercial circle where is the largest distribution center for electronic components in China. This will help us to find the required components in the shortest time with high quality and competitive price.

We choose the original manufacturer and channels of electronic components:



ADVANTAGE

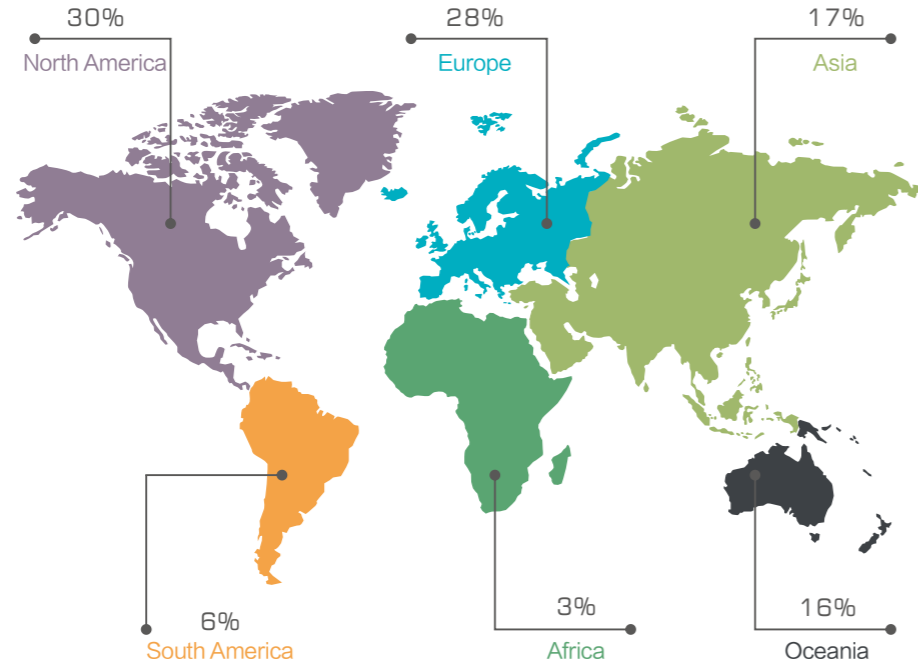


Tortai's advantages come from our value of customer focus and total solution of supply chain, Tortai listens and understands customers very well, we provide the solutions with integrating the best resources. Our product and service make us a difference from traditional EMS.

Tortai is not only share our industry experience to customer, but also sharing the cost saving opportunities on component and manufacturing. Comparing with traditional EMS whether big or small, we have the advantages on cost, quality, flexibility, technology and response:

Facility	Big EMS Advantages	Small EMS Advantages	Tortai Advantages
Technology	★		★
Quality	★		★
Service	★		★
Cost		★	★
Flexibility		★	★
Response		★	★

TYPICAL CUSTOMER



vtech

PHILIPS



Honeywell



EATON



THOREB

provender



JABIL

DELTA SYSTEMS



CORPORATE CULTURE



Brand Meaning

Mission:

Provide High quality products and services for customers,
 build a development platform for the team,
 and make due contributions to social progress !

Core Purpose:

Technology improve Quality
 Quality improve Service
 Service create Value

Vision:

Devotes to the excellent
 manufacture, strives for the
 national brand.

Business Philosophy – Together, We create and share value

As important link of the electronics industry chain,
 We stick to the attitude of sincere cooperation,
 With customer, supplier, company employe as our partners,
 Jointly dedicated to the improvement of the our living quality, society progress,
 Making full effort to create new value,
 We do believe ,
 All the value creators share the value,
 As one of them.
 We are more active in sharing with others,
 Mutual benefit and joint development is our business principle.

