



# EAST INDIA TECHNOLOGIES

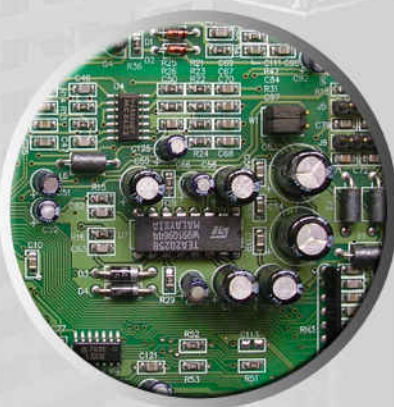
ONE STOP SOLUTION FOR ALL YOUR ELECTRONICS  
CONTRACT MANUFACTURING



SOURCING

MANUFACTURING

ASSEMBLING





## ABOUT US

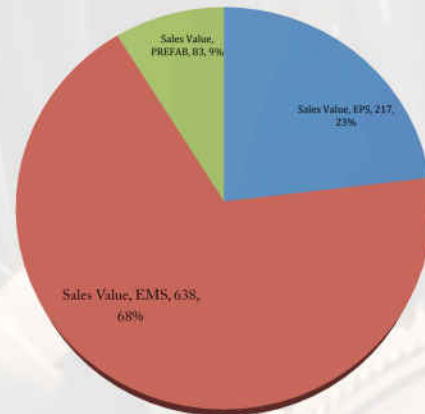
East India Group has been a major part of India's industrial revolution since its inception in 1989. the group has achieved phenomenal success rising to become India's one of the largest Electronics Manufacturing company with annual turnover of over USD 160 MILLION.

East India Bangalore offers a wide spectrum of electronic manufacturing services focusing on technically demanding solutions through a versatile high volume production handling upto 16 layers pcba from Batch production to fully automated SMT, apart from Electronics Manufacturing Services. We also support box build and final assembly, Its state of art electronics plant in Bangalore (INDIA) caters as an EMS in Medical Electronics, Telecom, Avionics, Defence, Automotive and Industrial Electronics mostly serving the export market.

Please see video at ([www.eitplems.com/video.html](http://www.eitplems.com/video.html))

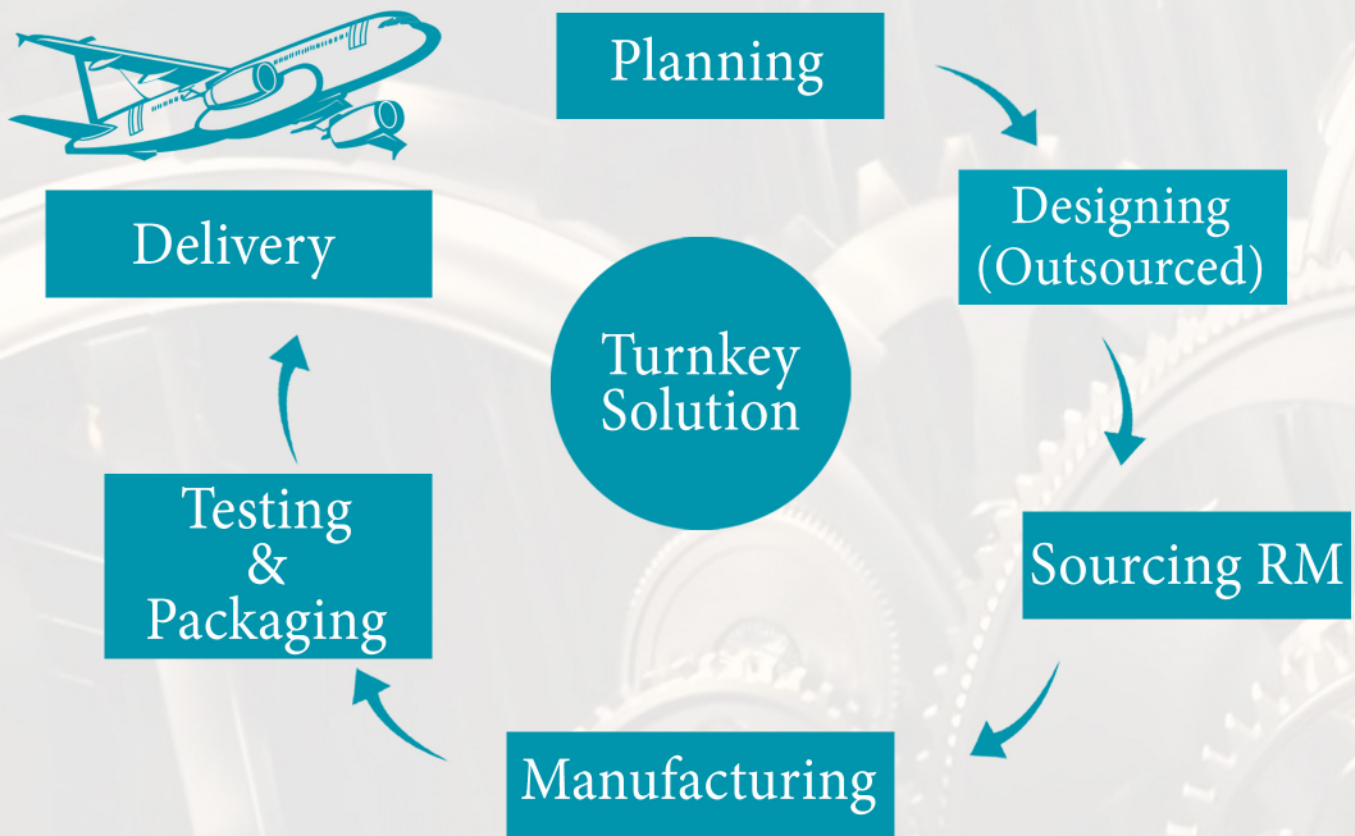
## Sales Value %

■ EPS ■ EMS ■ PREFAB



## WHY EMS WITH EAST INDIA?

- High production Flexibility as per customer need
- Faster turn around and response time.
- Skilled Manpower to cater to various application
- One stop solution from design to packing
- Dedicated prototype line for pilot operations



WE HAVE STATE-OF-THE ART CAPABILITIES.

WE LISTEN.

WE LEARN YOUR GOALS AND OFFER OPTIONS TO MEET AND EXCEED THEM.



# MANUFACTURING EXPERTISE

- Printed Circuit Board Assembly- high volume and prototype
- Surface Mount Technology
- Wave Soldering
- X Ray Inspection
- Automatic 2/3D Optical Inspection
- Optical inspection for Manual Assembly
- In circuit testing
- Conformal Coating
- BGA Reworking and reballing
- Repair and rework
- Dry chamber
- Environment chamber
- Burn in testing
- Final/box assembly lines



## PRINTED CIRCUIT BOARD ---HIGH VOLUME AND PROTOTYPE

The assembly of printed circuit boards is a multiple step process that includes surface mount technology (SMT) and through hole technology. With a capacity of 150000 cph, EAST INDIA is an leading EMS company providing high volume low mix and prototype.

### Surface Mount Technology

Surface-mount technology (SMT) is a method for producing electronic circuits in which the components are mounted or placed directly onto the surface of printed circuit boards (PCBs). An electronic device so made is called a surface-mount device (SMD).

### WAVE SOLDERING

In through hole assembly processes, the component leads are placed onto the board and the leads are soldered via a wave soldering process.

### X-RAY INSPECTION

Automated X-ray inspection (AXI) is a technology based on the same principles as automated optical inspection (AOI). It uses X-rays as its source, instead of visible light, to automatically inspect features, which are typically hidden from view.

### Final Assembly/Box Build Assembly

An assembly line is a manufacturing process (most of the time called a progressive assembly) in which parts (usually interchangeable parts) are added as the semi-finished assembly moves from workstation to workstation where the parts are added in sequence until the final assembly is produced.

### Sourcing

Our global sourcing specialists have a deep understanding of lifecycle cost analysis and regulatory requirements. We are experienced at selecting suppliers and choose components and we take advantage of the opportunities that the global supplier market offers. East India believes that its sourcing and logistics capabilities and expertise provide a significant competitive advantage in terms of lower material costs, better quality and a seamless supply chain for our customers.



## **Automatic 2/3D Optical Inspection**

AOI enables fast and accurate inspection of electronics assemblies and in particular PCBs to ensure that the quality of product leaving the production line is high and the items are built correctly and without manufacturing faults.

## **IN-Circuit Testing**

In-circuit test (ICT) is an example of white box testing where an electrical probe tests a populated printed circuit board (PCB), checking for shorts, opens, resistance, capacitance, and other basic quantities which will show whether the assembly was correctly fabricated.

## **Conformal Coating**

A Conformal coating is a protective chemical coating or polymer film 25-75µm thick (50µm typical) that 'conforms' to the circuit board topology. Its purpose is to protect electronic circuits from harsh environments that may contain moisture and or chemical contaminants.

## **BGA Reworking and Reballing**

A ball grid array (BGA) is a type of surface-mount packaging (a chip carrier) used for integrated circuits. BGA packages are used to permanently mount devices such as microprocessors. A BGA can provide more interconnection pins than can be put on a dual in-line or flat package. Assemblies which fail due to bad BGA connections can be repaired either by reflowing, or by removing the device and cleaning it of solder, reballing, and replacing. Devices can be recovered from scrapped assemblies for reuse in the same way.

## **Repair and Rework**

East India offers a suite of PCB repair & rework services in a fully controlled ESD compliant facility, working to workmanship standards, and our skilled workforce is trained with continuous dedication and hardwork.

## **Dry Chamber**

The correct stocking control and the use of low humidity, low temperature drying methods considerable advantages can be gained: Coated printed boards will remain solderable for a much longer time and damage during reflow due to moisture can be eliminated.

## **ENVIRONMENT CHAMBER**

An environmental chamber, also called a climatic chamber or climate chamber, is an enclosure used to test the effects of specified environmental conditions on electronic devices and components.

## **BURN IN TESTING**

Burn-in is the process by which components of a system are exercised prior to being placed in service. If the burn-in period is made sufficiently long the system can then be trusted to be mostly free of further early failures once the burn-in process is complete.



# Manufacturing Leadership



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East India's total operational quality performance is ensured by the following certifications and compliances.

- ISO 9001:2015 (QMS)
- ISO 14001:2015 (Environment)
- OHSAS 18001:2007 (Health)
- TS16949 (Mechanical/Automobile)
- AS9100 (Aerospace)

## OUR PROMISES: RIGHT QUALITY, ON TIME DELIVERY, BEST VALUE, INNOVATION, SUSTAINABILITY

We strive to work in compliance with 5S, Lean, Six Sigma, PFMEA and Kaizen. We have security and controls in place to safeguard customers' intellectual property (IP) information. Our enterprise resource planning (ERP) system enables efficient response, inventory management and capacity, with a high level of trust and symmetry between East India business model and that of the customer (schedule flexibility, mix, volume, complexity, etc.) After a decade of handling fluctuating manufacturing volumes on behalf of our customers we have learned to be flexible.

**Quality is accorded top priority to ensure cost effective and Timely supply to our customers delight**

## East India is a leading EMS to:

Medical  
Electronics



Entertainment  
&  
Games



Avionics



Automotive



Consumer  
Durable



Defence



Telecom



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