

## OEM Box Build

We go beyond just PCB Assembly - customized lines for Box building, Integration and Testing, Cable Harness making, Burn In / Soak test facility. Our effective Global Supply Chain management enables us to offer Turnkey Solutions -- from sourcing of Automotive/MIL Grade parts, Mechanical Components and Enclosures/Racks, Transformers and Coils. We handle the manufacture of PCB Assemblies, Integrate them, Test them and ship it to anywhere in the world.

We also provide board level after-sales servicing facilities to our OEM customers with dedicated team of service technicians. We develop and supply Sheet Metal, Stainless Steel, Aluminium and Copper Parts. Metal parts are powder coated/ anodized/plated to withstand f the Salt Spray Testing. We have established a strong vendor base for Extruded Heat sinks, CNC machined parts and MIL Grade Alumunium Cabinets as well.

We design the tooling for plastic parts and get the moulded parts to packaging the products. Also we make allied parts like labels, screen overlays, membrane key pads to build complete the box build activities.

We use design tools like AutoCAD, PRO E, Solid Works & Simulation Packages for 2D/3D Modeling & E-Drawings to view customer drawing.

## Quality Systems

At MicroLOGIX, quality is a way of life. We are committed to offer manufacturing solutions of the highest standard to all our customers. Over the years we have developed products and services with a focus on quality. This quality consciousness is achieved by a process-based Quality Management System and rigorous continuous improvement programs. Our manufacturing plant is certified to Aerospace and Defense AS9100, ISO 9001, Global Automotive Quality IATF 16949 and ISO14001 Standards, TS 16949:2002 certified by BUREAU VERITAS. Our PC board assemblies adhere to IPC-610C.

## Partner with Us

Our commitment to quality, cost and on-time delivery has ensured highly satisfied customer base. For more than 20 years we have partnered with leading Indian & Overseas companies, growing from strength to strength. Choose us to be your preferred electronics partner!



### Integrated Electronic Manufacturing Services

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# World Class Integrated Electronics Manufacturing (EMS) and Design Services



### Full automatic SMT line Full automatic SMT line for mass PCBA



- Faster Time To Market
- State-of-the-art Infrastructure
- Full Service Electronics Manufacturing
- Complete Product Life Cycle Management
- SMT Mounting
- BGA Assembly and Rework
- AOI and X-Ray Inspection
- Wave Soldering - RoHS/Leaded
- Box Build And Testing
- Wire Harnesses





# Vision

**To be a preferred Integrated EMS Partner to OEMs in maximizing their resource utilization by offering ever expanding value added services.**

## Your Manufacturing Need is Our Business

MicroLOGIX is a full service best in class Electronics Manufacturing Solutions and Engineering Design Services Company that is providing world class solutions to customers in India and Europe.

Headquartered in Bangalore, India, MicroLOGIX partners with several multi-national and domestic customers in product development, manufacturing and value added cost reduction. Our in-depth industry knowledge, coupled with a high level of quality has helped us grow consistently while winning customer accolades.

MicroLOGIX offers the widest possible EMS capabilities, from design to end-to-end vertically integrated supply chain services. MicroLOGIX designs, builds and ships completely packaged products for its OEM customers in organised sector of Defense, Automotive, Telecom and Energy and Medical markets. We provide after-market and field services to support customer end-to-end supply chain requirements. MicroLOGIX provides value and innovation to customers by leveraging its manufacturing, logistics, procurement, design, engineering and ODM services across a wide range of products and customer segments.

Our clientele includes leading Companies such as GE Healthcare, Schneider Electric, SAFT Batteries - France, Millipore, Carrier Air-conditioning, Easun Reyrolle as well as major companies in the domestic market. Defense Major in India Bharat Electronics is one of prestigious customer utilizing both our design and manufacturing skills to develop highly complex and demanding defense and naval electronic systems.

## Design Capabilities

MicroLOGIX has the capability to provide integrated solutions and services to our clients, starting from design to the final shipment of the products. Our services ensure a hassle free transition from the product specifications to the production shop floor. Our experienced team ensures a smooth New Product Introduction (NPI) by ensuring manufacturability (DfM), ease of assembly and testing before releasing the design to production. Program Management and Cross Functional teams coordinate with customers and ensure a smooth rollout of product. Our Engineering Services cover the following categories:

Circuit Design & Development	2D & 3D Mechanical Design	PCB Layout Design	Firmware Development and Validation	Performance Validation (EMC / Reliability)	Certification (UL/CE)
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## ODM Electronics Design

Our capability includes designing multilayer PCBs up to 8 layers with 4 mil trace/ width as well as Blind & Buried VIA and BGA Footprint designs with 0.5 mm pitch. MicroLOGIX provide customized design for products based on Microprocessors , I/O Interface and Industry automation/ controls, etc. Our experienced technical team enables us to offer highly effective value added Engineering Services supports with process definition, DFM/DFT/DFS review and support for ESS/EMI/EMC/HALT/HASS testing of products.

Design support services are also available in the area of component re-engineering for obsolescence, upgradation of designs, reliability engineering and making products more rugged to sustain extreme environment conditions and CE, UL, TUV approvals.

## Design Domains

Over the years MicroLOGIX has worked with numerous customers in several industrial verticals and developed quite a few Products for them. We have listed them below.

### Defense

- ▶ Mil Grade Power Supplies
- ▶ Sonar Power Amplifiers
- ▶ Display Cabinets
- ▶ Indication Panels
- ▶ Power Distribution Panels

### Automotive

- ▶ Headlamp Levellers
- ▶ Bus / Truck Air-conditioning Controls
- ▶ 2/4 Wheeler LED Tail & Stop Lamps
- ▶ Engine Cooling Fan Drives

### Embedded / Networking

- ▶ Microcontroller Based Product Design
- ▶ ST Micro/Microchip Platforms
- ▶ Firmware Development
- ▶ LED / LCD User Interface
- ▶ RS232 / RS485 / RS422 / USB / Ethernet
- ▶ Zigbee / WiFi / BT WirelessDevelopment

### Medical / Dental

- ▶ Dental Chair Controls
- ▶ Medical Furniture Controls
- ▶ LED Phototherapy Controls
- ▶ Surgical Light SMPS & Intensity Controls
- ▶ Dental Micromotor & Trolley Controls

## Build • Ship • Service

Our focus on High Mix, Low And Medium Volume production having high level of technology combined with Value Added Services provide huge benefits to customers. MicroLOGIX has the in-house capability to manufacture SMD & Through Hole boards with QFPs, BGAs, LGAs / QFNs, and 0402/0201 chips packaging. Our policy of continuously investing to upgrade the infrastructure means advanced placement machines that scales to meet customer demands. Our expertise extends to handling all types of Boards of RF, Power electronics, Digital and Discrete logic boards from 100% SMDs to 100% through-hole population. Our Testing Facility for PCB Assembly and products include a high-precision multimeters, In-circuit Testers, Function Generators, Digital Storage Oscilloscopes, Spectrum Analyzers and Customer Specific Test Jigs.