

Your One-Stop Destination for EMS and Magnetic Components Manufacturing

www.sblabs.in

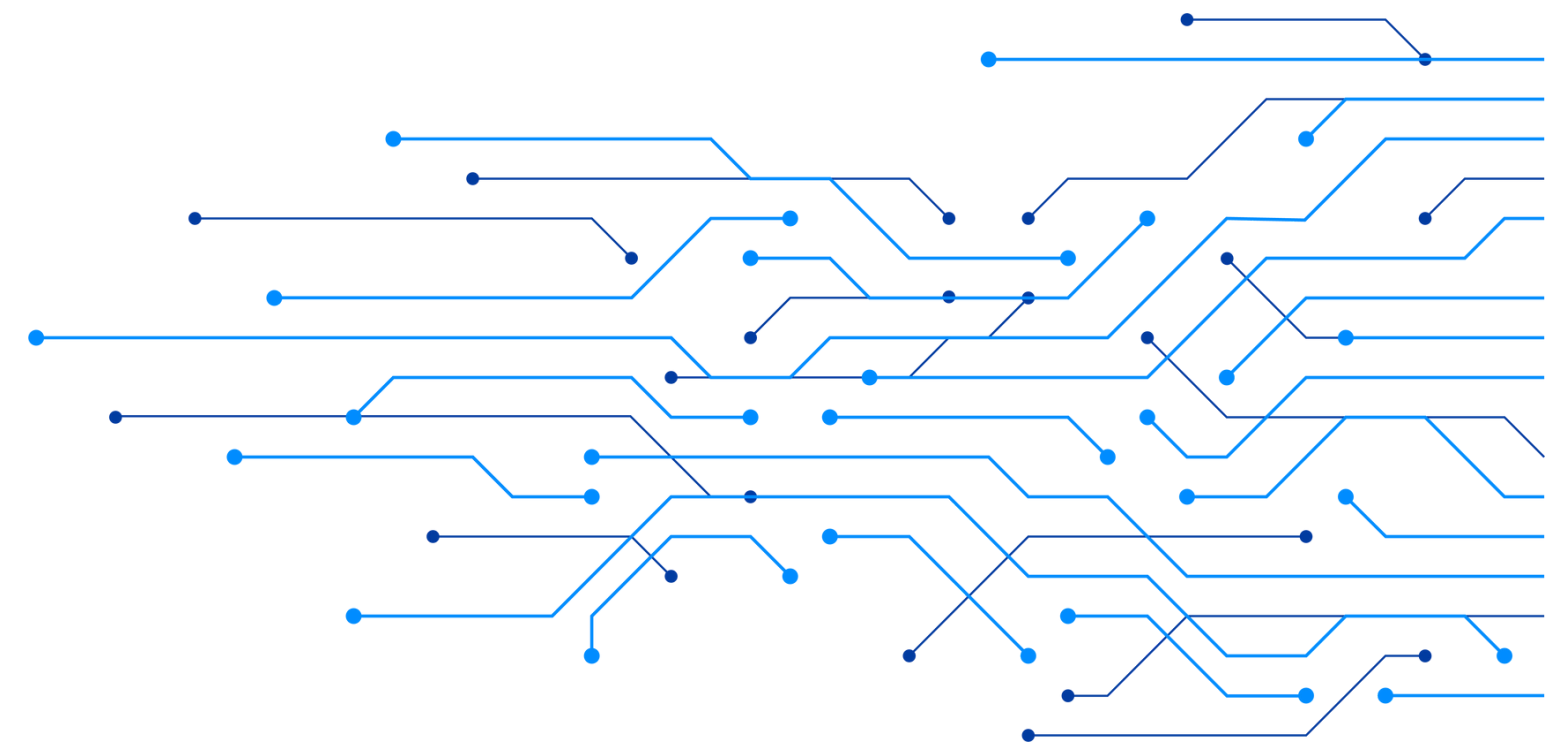




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About SB Labs

To handle today's challenges, you don't need a supplier. You need a true partner.

SB Labs is a trusted **Electronics Manufacturing Services (EMS) company** that manages your entire production process. We have **two dedicated EMS facilities** and a team of **experts** ready to build your products.

You focus on designing great products. We will bring them to life.

We solve your biggest problems with four core services:

- **Complete Electronics Manufacturing:** We handle everything from buying parts to SMT/THT assembly, final product assembly and quality testing.
- **Hardware & Software Development:** Our expert team supports you with circuit design, prototyping and software integration to ensure your product performs perfectly.
- **Customised Specialized Magnetic Components:** We design and build the custom transformers, inductors and coils that are essential for modern electronics.
- **High-Value Support:** We use the latest technology like IoT and AI to make production faster and also offer consulting and engineering services.



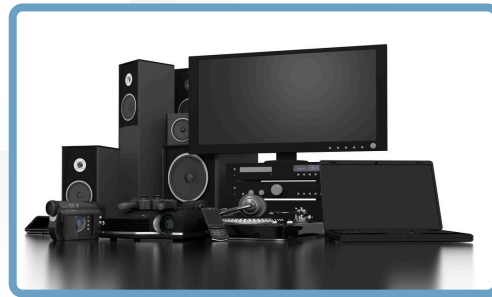


Industries We Empower

We have the experience and flexibility to serve a wide range of industries, each with its own unique demands and quality standards.



Power & Energy
(Smart Meters)



Consumer
Electronics



Automotive
& Mobility



Industrial
Machinery



Electric Vehicles
(EVs)



Telecom
Sector



Aerospace
& Defence



Medical
& Healthcare



Railways



Digital Homes



Smart Lighting





Business Verticals

Our industry focus means we can deliver innovative solutions that are tailored to each client.

- ODM
- OEM
- ESDM



GPS Trackers



Fuel Tank Sensors



E-Locks for Fleets



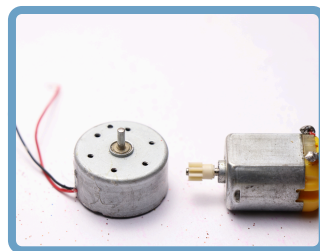
Load Sensors



EV Chargers



Motor



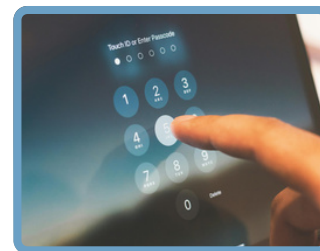
Motor Controller



Regulator Rectifier



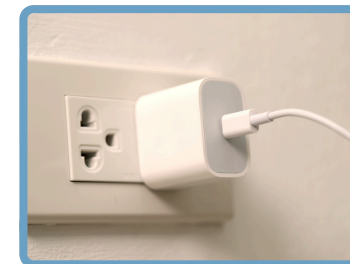
Display Card



Touch Panel



Power Bank & Charger



Smart Plug



Bluetooth Speakers



Android Box



Hot Water Kettle



Smart Watch



Smart Meter



Wiring Harness



Product Portfolio

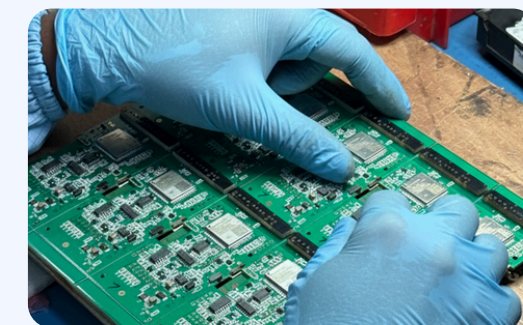
Magnetic Components:

- Transformers
- Magnetics
- Inductors & Coils



EMS:

- PCB Assembly





Our Range of Fully Automatic Machinery



**Automatic Laser Soldering Production Line
for Winding and Basing of Transformer**



Automated Soldering Machine



**12 spindle 61.2 wheelbase automatic winding
and coating machine**



SMT Line



Manufacturing Facilities

S. No.	Major Machinery/Test Equipment	Qty.	Capacity
1	Automatic Winding Machine	04 Nos	25 K
2	LCR Meter with DC-BIAS	01 Nos	-
3	Computerized Transformer Analyzer	07 Nos	35 K

Our manufacturing facility is spread over **1,00,000 square kilometres**.

Our Product Range

- Transformer
- Linear Transformer
- Toroid
- Choke Coils
- Wiring Harness
- Inductor





Core Service: Advanced Electronics Manufacturing

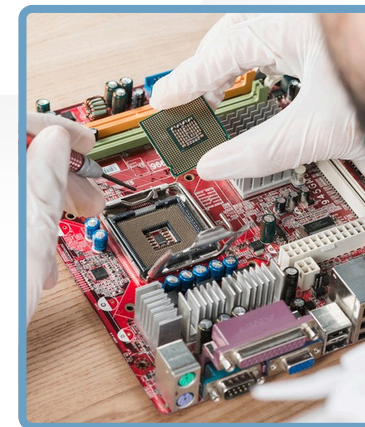
From a single circuit board to a fully assembled product, we provide turnkey manufacturing services with a focus on quality and speed. Latest technology implementation and highest quality standards are assured in every product.

Our key manufacturing services include:



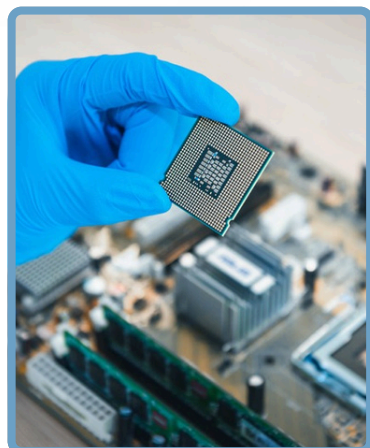
- **SMT & THT Assembly**

We use advanced machines for both Surface Mount (SMT) and Through-Hole (THT) PCB assembly, handling everything from buying the parts to the final build.



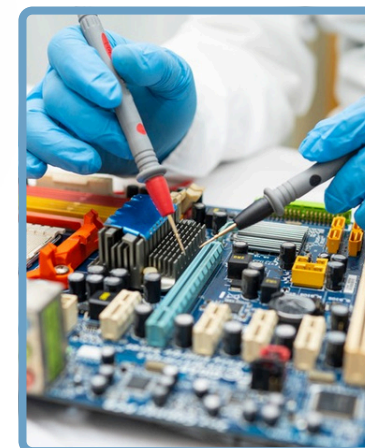
- **Complete Product Assembly (Box-Build)**

We assemble your final product, not just the electronics. This includes putting together the casing, wiring and all other parts to create a market-ready unit.



- **Specialized Hand Assembly**

For special or complex orders, our expert team provides careful hand assembly to meet your exact needs.



- **Testing & Quality Checks**

Every product goes through detailed functional testing and quality assurance checks to guarantee it works perfectly before it leaves our facility.



Our Capabilities & Process

We provide a complete, end-to-end solution to bring your product from an idea to a finished reality. This means that you need only one partner for everything in electronic product manufacturing.

Our team of skilled professionals has deep expertise across the entire product development lifecycle, from hardware design to final delivery.

Manufacturing

- Global Sourcing & Procurement
- Custom Magnetic Component Manufacturing
- Assembly (SMT & THT)
- Testing-Auto, Semi-Auto
- Packaging
- Delivery

Hardware

- Circuit Designers
- PCB Layout
- Circuit simulation
- Thermal Designer
- Charging Profiles
- MATLAB & Simulink

QA/Validation

- System Validation
- Production QA
- QA Automation
- Python, Perl, Tcl

Mechanical

- Mechanical ID
- Industrial Design
- 3D & 2D Modelling
- Mold
- Solid works

Software

- Embedded Programming
- Full Stack Development
- Android App Development
- Linux
- Device Drivers
- SOC Validation

Application

- Cloud Operations (AWS)
- iOS and Android App
- Windows
- AI, ML, Analytic



Our Foundation of Trust

State-of-the-Art Infrastructure

Our modern manufacturing facilities are the foundation of our quality and efficiency. We have invested in the best technology and environment to ensure your products are built to the highest standards.

Our facilities feature:

- Two dedicated EMS facilities.
- Advanced SMT lines capable of **high-speed and high-mix PCB production**.
- Fully automatic winding machines for **manufacturing of magnetic components**.
- Clean environments with **ESD flooring** to protect sensitive components during assembly.
- A dedicated team of **skilled professionals** operating our advanced equipment.





The SB Labs Advantage: A Summary

Choosing the right manufacturing partner is critical for your success. Here is what makes SB Labs the right choice.

- **Complete Turnkey Solutions**

We are your trusted EMS partner to design, manufacture, test and distribute your products, managing the entire process from start to finish. This turnkey approach saves you time and lets you focus on your business.

- **Dual Expertise in EMS & Magnetic Components**

We are one of the few partners with deep, in-house expertise in both advanced electronic manufacturing and the specialized manufacturing of **custom magnetic components**.

- **Automotive-Grade Quality & Reliability**

Our ISO and BIS-Certified facilities and commitment to automotive-grade reliability ensure your products are built to the highest quality standards.

- **Dedicated R&D and Innovation**

Our dedicated R&D facilities and expert team of over 150 professionals are here to help you innovate and create the best possible products.



THANK YOU



+91 9310227796, 8130800277, 01246902622



info@sblabtech.com | sales@sblabtech.com



www.sblabtech.com



4181/332, SH 15A, Jhajjar Farrukhnagar Road,
Silani Pana Zalim, District Jhajjar, Haryana
124103