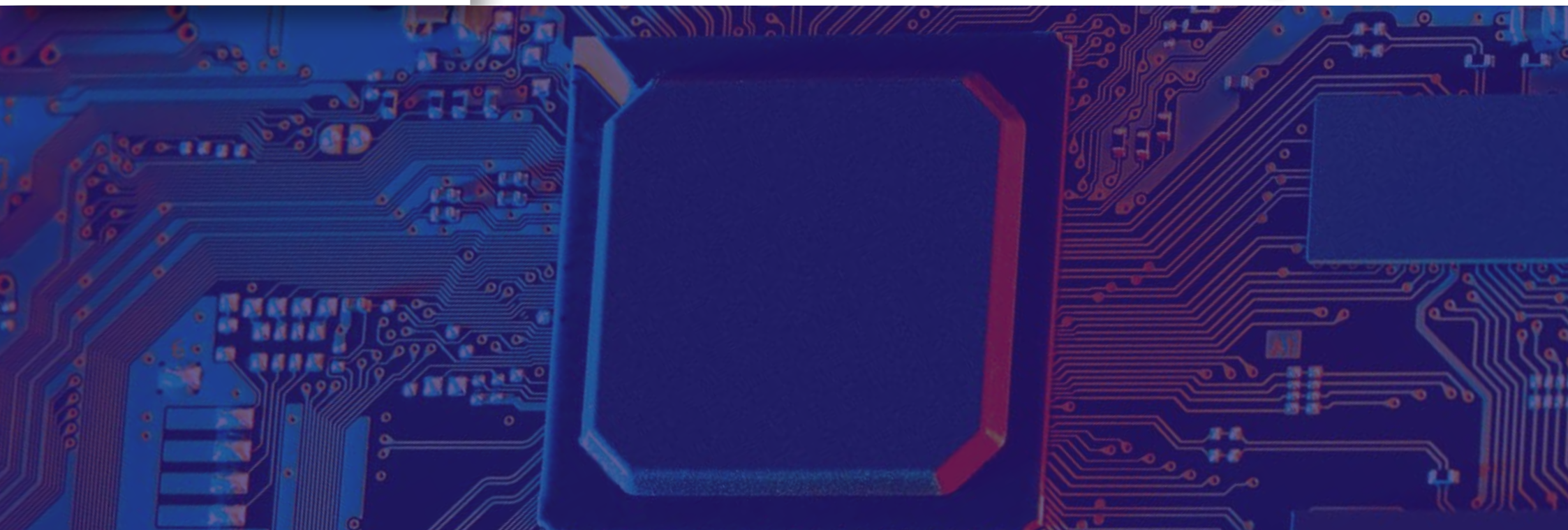
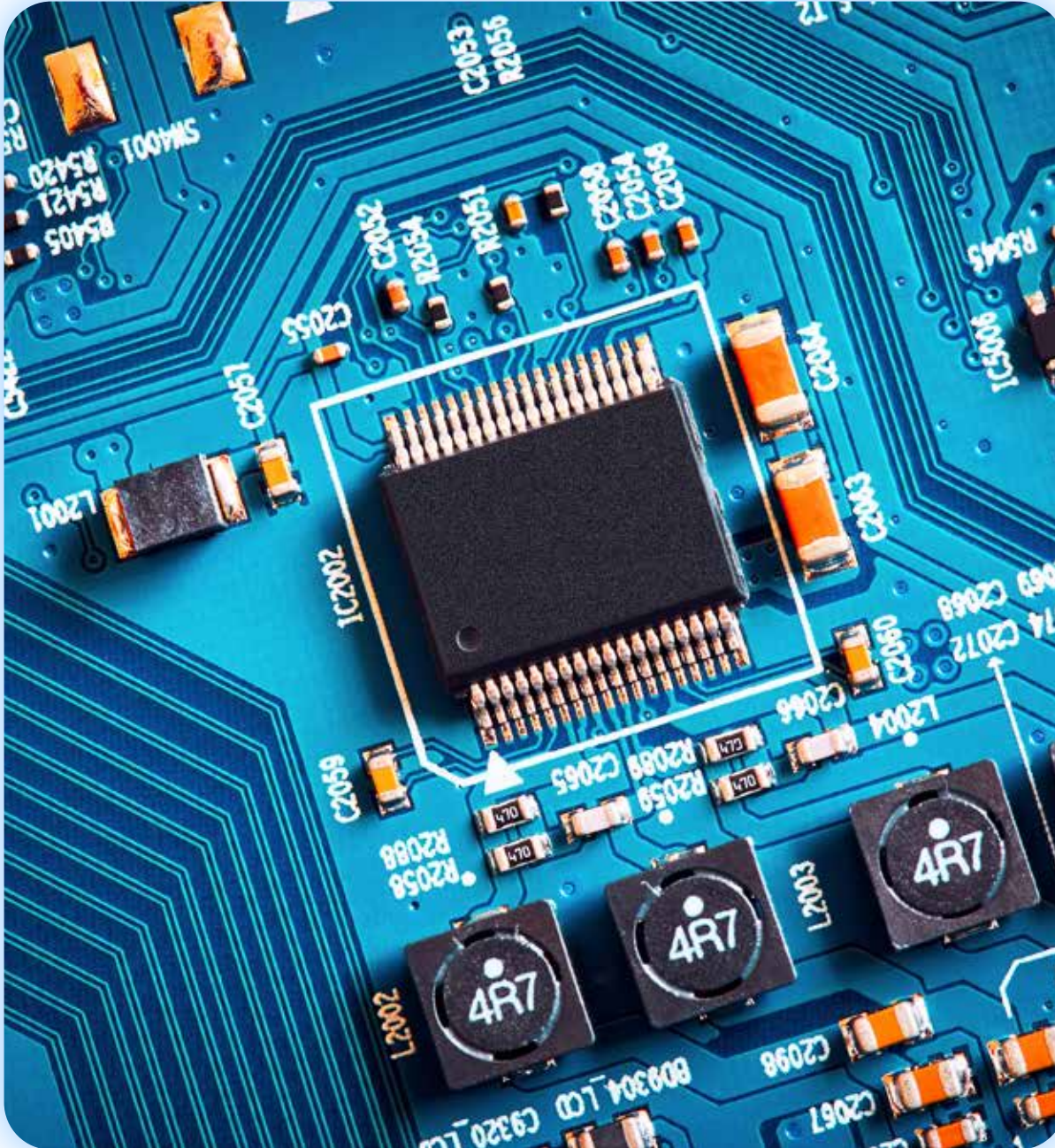




Bit Elektronik Limited Company

bitelektronik.com





ABOUT US

Bit Elektronik was established in 2007 in Istanbul under sole proprietorship.

In 2009, our company became an aggregated corporation under the name of Bit Elektronik Ltd. Currently, our company actively works with more than 600 local and international businesses and prints approximately **50 million components per year.**

We maintain both ISO 9001 and IPC A-610 standards as the minimum requirement.



HISTORY

Since our first day, our company has annually increased customer portfolio and revenue.

We offer market-leader services to firms in the manufacturing sector in the electronic card system, mounting service, and quality control fields compliant with international standards.

We also offer a unique database including half-finished products, end products, manufacturing, quality control, and packaging processes with 13 years of experience.

- > 2007 Enterprise based and sales based
- > 2008 First sample productions
- > 2010 Participation in Electronica 2010
- > 2013 Purchase of first mass production machine
- > 2014 Export to Denmark
- > 2015 Export to Norway
- > 2016 Production plant enlargement
- > 2017 Transition to AOI and ERP system
- > 2018 Second mass production line purchased
- > 2018 Participation in Electronica 2018
- > 2019 Participation in MWC Los Angeles
- > 2020 First online participation in Electronica 2020

WHEN YOU NEED ELECTRONIC BOARD

20+ employees

600+ clients

1000+
sqm of
manufacturing area



**INDUSTRIAL
AUTOMATION**



**MEDICAL
EQUIPMENT**



**AUTOMOTIVE
ELECTRONICS**



**LED
LIGHTING**



TELECOMMUNICATIONS

WHY BIT ELEKTRONIK?

Fast Delivery

We deliver completed productions fast and securely to our local and overseas customers via our wide courier options.

Competitive Prices

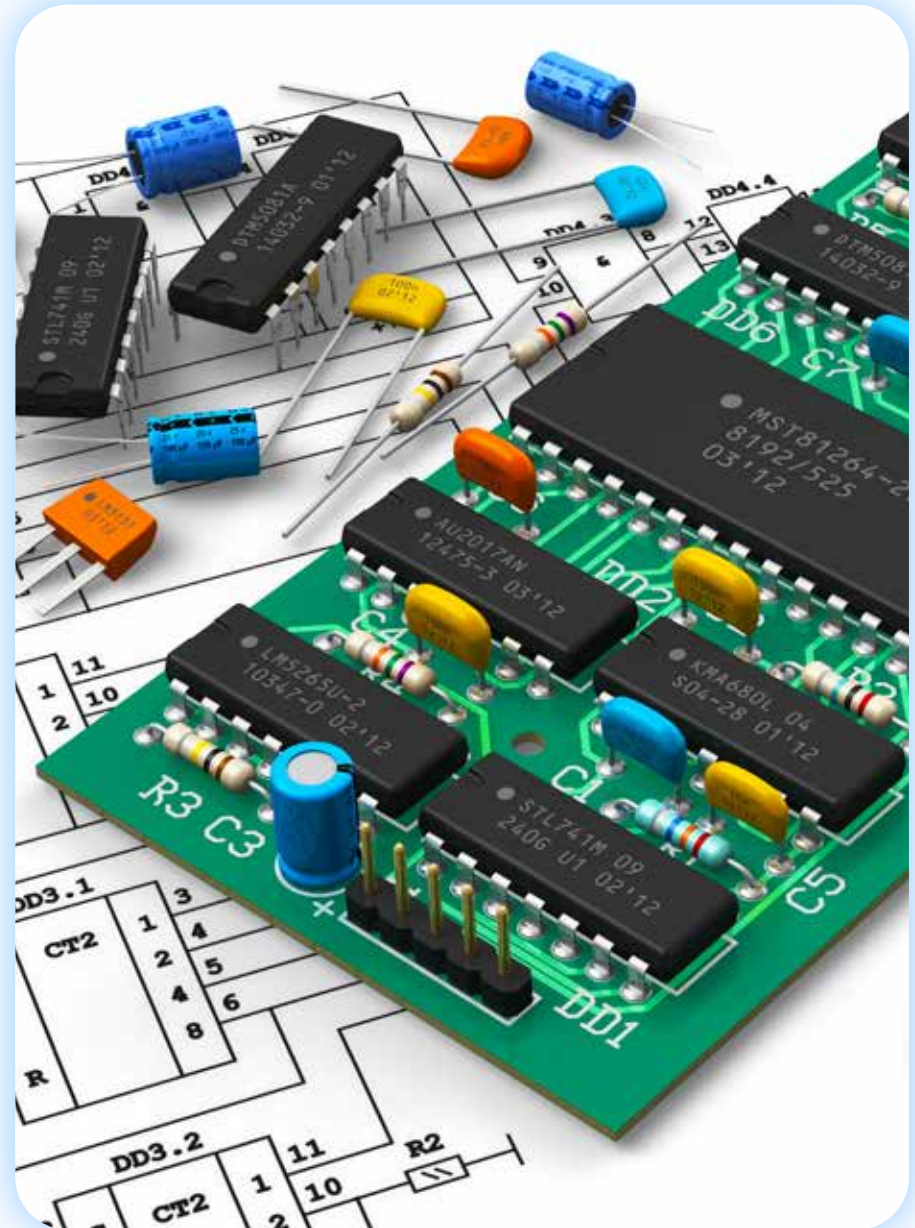
As per our close relations and special agreements with our worldwide suppliers; we are able to provide competitive and reasonable prices to our customers.

Quality Service

With the help of our policy based on customer satisfaction and our professional team; we always keep quality on top.

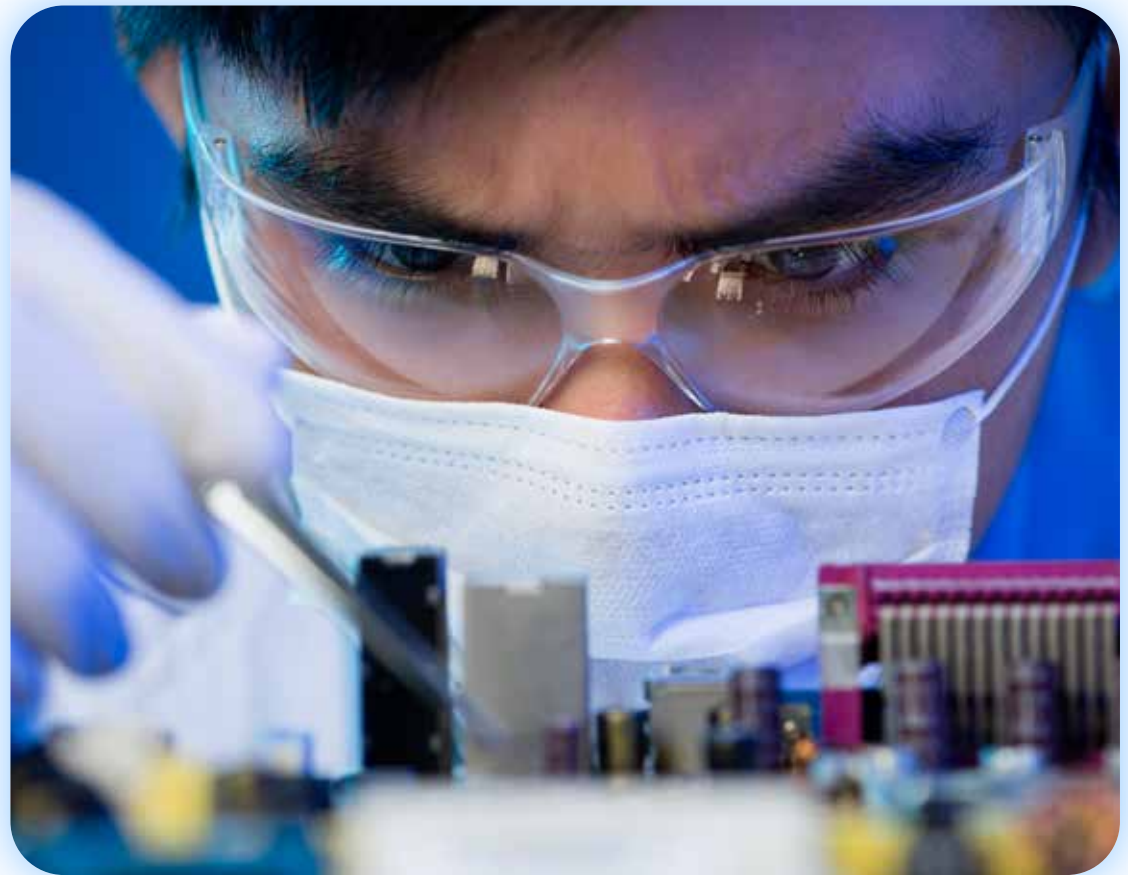
Advanced Traceability

We are creating an info bank by recording all production operations and steps under our ERP system.



ABOUT MANUFACTURING

Bit Elektronik is expert in manufacturing innovative, medium-scale, high technology electronic printed circuit boards in 1000 m² static controlled facilities. With high-speed SMT and THT manufacturing lines and single and double PCBs, our facility has the capacity to process 50 million electronic components annually and our R&D work continues to increase current capacity. Constant improvement and traceability are the main principles of Bit Elektronik. Unique ERP program of the company that records all operational activities generated an extensive database for effective feedback.



SERVICE AREAS



SMT Assembly

Full automated Pick & Place machines from Low to Medium volume including prototypes and IR Reflow ovens for an IPC610 quality finish.

THT Assembly

From single-sided THT assemblies to complex high-mix SMT/THT assemblies the entire process is RoHS compliant for lead-free assemblies.

Component Supply

Thanks to our global sourcing supply chain, we keep your manufacturing processes flowing.

Test & Inspection (Functional Test)

The majority of our customers expect us to perform in some degree of test to their assembled PCBs, sub-assemblies of completed products. This often takes the form of a 'Functional Test', which means checking the operation of the assembly. We are happy to accept your propriety test equipment or replicate this as required. Along the same line, if you wish us to provide a test specification we can have a customized test kit, which is built for you. We can also work together with you to develop your test strategy.

SERVICE AREAS



Cable Assembly

We can produce a wide variety of cables and cable harnesses to your specification. Cable with solder terminations, crimp terminals of insulation displacement connections are among those manufactured.

Prototype & Low Volume Production

For your prototype and low-volume needs, we have number semi-manual vacuum pen placement systems, which allow for a fast turnaround & competitive assembly solutions.

Turnkey Projects

Bit Elektronik specializes in basic and detailed assemblies, supply management and box-build that are generally carried out as Turnkey Projects with the utmost requirements for quality and product excellence.



SURFACE-MOUNT TECHNOLOGY (SMT)

We are using high technology machinery on our surface mounting lines that form the majority of our manufacturing activities. Fully automated conveyor transfer DEK serigraphy machinery, JUKI K-2080L, TOPAZ XII type-setting machinery and BTU 8 region reflow furnace enables us to print more than 30.000 components per hour compliant with IPC-A-610 and IPC J-STD-001D standards. Our manufacturing service covers all case sizes including QFB, BGA BGA, CBDA, CSP, Flip-Chip and 01005.

THROUGH-HOLE TECHNOLOGY (THT)

Traditional Through Hole Technology (THT) is a hand-made process based on customer requirements, different from SMT assembly. In addition to wave soldering, our IPC trained staff applies hand-made soldering techniques. In traditional THT assembly; wired or open hole components are placed into the holes of PCB. They are then soldered into the printed circuit boards by various soldering techniques.



TESTING STRATEGIES

Which type of test is most appropriate for your products?

AOI

Automated
Optical Inspection

ICT

In-circuit
Testing

FCT

Functional
Testing

VIC

Visual Inspection
Control

Visual Inspection

- SMT placement only
- Fast test speed AOI
- Excellent coverage
- Inspecting solder quality

Speed Testing

- Fastest Test Execution
- Finds Shorts & Opens
- Custom Tooling
- Required Programming

Visual Inspection Control

- Finding shorts & opens
- Minimal programming time
- Low cost & quick return

End-Use Testing

- Assembly Testing
- Customized Solution

LINE CARD





Bit Elektronik Limited Company
PCB & Dip Assembly Electronics Manufacturing Services

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