

# Box Build Assemblies

We create electromechanical box builds from prototype to production!

- Box-Build
- Testing
- Cable & Wire Harness Assembly
- Conformal Coating



[bitelektronik.com](http://bitelektronik.com)

Bit Elektronik Limited Company



# Box-build

Full Box Build integrates your PCB assembly into an enclosure or chassis combined with other components such as cables, hardware, overlays etc.

We have skilled mechanical operator producing a diverse range of high quality assemblies from simple devices to high-end critical infrastructure and non-invasive medical products. Utilizing Lean manufacturing principles our team will work very closely with you to ensure we maximize design and process efficiently and minimize your cost.



## Testing

We ensure you that as your manufacturing partner, we carry out the necessary regulatory compliance and safety testing. There are various types of examinations that you can choose to do, including: Electrical testing, Functional testing, Burn in, Regulatory and agency compliance, Validation testing.

Although it is necessary to carry out the aforementioned tests, you might also decide to be satisfied with a visual inspection.



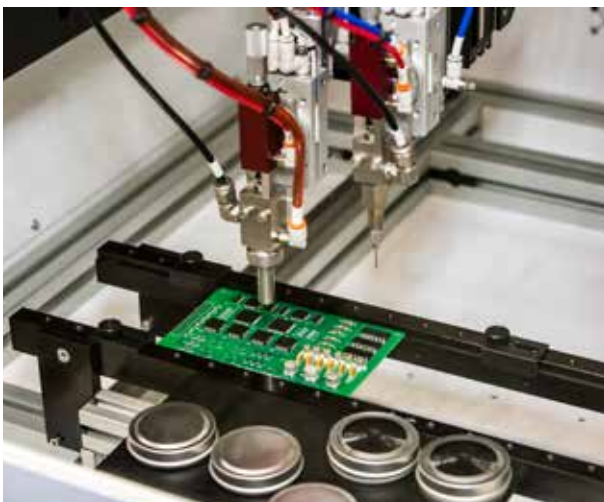
## Cable & Wire Harness Assembly

Wire harnesses and cable assemblies are as critical to your product as any other electronic component. Bit Elektronik offers a set of industry-leading solutions for wire harnesses and cable assemblies. OEM clients benefit from Bit Elektronik's internal capabilities and the capabilities of a vast global network of supply chain partners.



## Conformal Coating

A newly assembled circuit board will work just fine, but you cannot guarantee normal function once it is exposed to harsh conditions. The benefits of coating your PCBs and electronics include: Protection against chemicals and solvents, Eliminate the need for complex enclosures, Improve the reliability of electric devices, Protection from humidity, vapors, and salt sprays, Boost the lifespan of your product, Cover sharp edges, Reduce the impact of vibrations and stress, Temperature resistance.







## What is included in a box build assembly?

A box build assembly includes multiple services related to the assembly and delivery of a project. The services provided as part of a box build assembly depend on the company's and client's needs.

This includes sourcing and installing wiring harnesses and cables, designing and installing any sub-assembly components, and putting the whole packages together in a customized enclosure. Other steps in a box build may include software loading and system configuration, packaging and labeling and more.

We work within many of the vertical markets such as; industrial, commercial, medical, telecommunication, and aerospace. We create solutions for each customer based on their unique need. Our Electromechanical and engineering team works like an extension of your team, providing a system integration solutions that you can roll up to your production line



**Your very own specialist for the  
development and production of  
system solutions for intelligent and  
efficient TurnKey projects!**



**Bit Elektronik Limited Company**

**PCB & Dip Assembly Electronics Manufacturing Services**

Atakent Mah. Atam Sok. 5/1 Ümraniye 34760 İstanbul, Turkey

**T:** +90 216 660 11 33 **E:** [info@bitelektronik.com](mailto:info@bitelektronik.com) | [sales@bitelektronik.com](mailto:sales@bitelektronik.com)

 [bitelektronik.com](http://bitelektronik.com)