



East West
design • manufacturing • distribution

Capabilities Overview: Costa Rica

PCB ASSEMBLY

Our Costa Rica facility specializes in highly complex, sophisticated PCBAs with a stable design and mixed technology requirements. We have the capabilities for:

- Surface mount technology (SMT)
- Through-hole
- Hand soldering
 - Lead and lead free
- Selective soldering
 - Lead and lead free
- Wave soldering
 - Lead and lead free
- Routing
- Hand assembly
- Conformal coating
- Final box build assembly
- Functional testing
- ICT testing

OTHER CAPABILITIES

OVERVIEW



BOX BUILD capabilities in Costa Rica allow us to provide you with everything from PCBA to cable and wire interconnects, final box build and packaging. We also offer the flexibility to price and source your own parts, if needed, leaving final assembly to us. Our services include sublevel product assembly, system level assembly, software loading and product configuration, testing, packaging and labeling.



THIS LOCATION is best equipped for advanced EMS, medium volume projects requiring quantities from 1,000-100,000. Additionally, we can test in-house, including x-ray (BGAs), functional testing and in-circuit testing (ICT).

Our Costa Rica facility serves a broad scope of industries such as:

- Medical (ISO:13485:2016)
- Energy
- Automatic metering
- Safety systems
- Industrial controls and more.

BENEFITS OF COSTA RICA

Nearshore manufacturing is a trend that is continuing to rise as China's trade sector becomes more complex. For those exploring options closer to the U.S., Costa Rica provides many benefits, especially in the EMS industry. In fact, Life Sciences were the country's no. 1 export last year. Some of the perks include:

Ease of communication. Costa Rica operates in Central Standard Time which allows companies in the U.S. the ability to schedule calls and receive feedback quickly. Additionally, English is their second language and the country's government is investing significant funds to increase the number of English-speaking citizens by providing elevated levels of education and certifications.

Expedited, low cost logistics. At the end of the day, it's all about how much is my product going to cost, how good will the quality be and how fast can you get it here?

Average shipping lead time from Costa Rica to the United States is only 10-12 days, and they have ports easily accessing both the Atlantic and Pacific oceans. This savings is on top of having 15 free trade agreements in place, including the United States and China, providing access to 58 global trade partners.

Skilled, young workforce. There is no shortage of talent in Costa Rica, with a labor pool of 2.3 million and the number of university engineering graduates rising steadily at a rate of 7.1% per year since 2010. The workforce, 35% of whom are 15-34 years old, requires low wages which puts them in direct contention with both China and Mexico. The literacy rate in Costa Rica is 98%, putting them on par with the United States.



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 4170 Ashford Dunwoody Road, Suite 375, Atlanta, GA 30319