

# **Asia Pacific In-Circuit Tester Market Forecast to 2030 - Regional Analysis - by Type (Analog and Mixed), Product (Multimode Flying Probe Tester and In-Line Tester), Portability (Portable and Non-Portable), and Industry (Consumer Electronics, Automotive, Medical Equipment, Aerospace & Defense, and Others)**

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## **Abstracts**

The Asia Pacific in-circuit tester market is expected to grow from US\$ 437.61 million in 2022 to US\$ 604.15 million by 2030. It is estimated to grow at a CAGR of 4.1% from 2022 to 2030.

### **Growing Use of Testers to Detect Manufacturing Defects Across Various End-Use Industries Boosts Asia Pacific In-Circuit Tester Market**

As electronic devices become more complex, with more components and connections, it is more difficult to test them using traditional methods. In-circuit testers provide a more comprehensive and accurate way to test these devices. In industries such as medical equipment and aerospace, where failures can have serious consequences, it is essential to ensure that electronic devices are of the highest quality and reliability. In-circuit testers can help identify and eliminate defects early in the manufacturing process.

Moreover, if a defect is not detected until after a product has been assembled, it can be very expensive and time-consuming to rework or repair. In-circuit testers can help reduce the cost of rework by identifying defects early in the manufacturing process. In the consumer electronics industry, they are also used to test a wide range of devices, including smartphones, laptops, and televisions. These devices are becoming increasingly complex, with more components and connections. In-circuit testers can

help ensure that these devices meet consumers' high expectations. Therefore, the rising use of in-circuit testers is a driver that is likely to continue in the coming years. As electronic devices become more complex and demanding, in-circuit testers will play an increasingly important role in ensuring the quality, reliability, and safety of these devices.

## Asia Pacific In-Circuit Tester Market Overview

The Asia Pacific in-circuit tester market is segmented into Australia, India, China, Japan, South Korea, and others. The increase in urbanization and population has necessitated extensive infrastructural development, propelling the demand for electronics throughout the region. According to the Indian Electrical and Electronics Manufacturers' Association (IEEMA), India's energy generation capacity is predicted to expand from 200 GW in 2010 to over 800 GW by 2032 to meet rising power demand. As a result, a massive investment of ~US\$ 300 billion in power equipment manufacture is required over the next three to four years, which will boost the demand for in-circuit testing of this equipment. Several players across APAC are launching in-circuit testers. For instance, as of November 2020, the Hioki launched the in-circuit tester FA1220-02. The launched product is the space-saving design system generating pass/fail judgments for circuit boards that are populated with electronic components. Its slide-in mechanism simplifies the installation and removal of test fixtures, reducing man-hours and workload and improving productivity in populated board testing and production environments. The increase in product launches in the region propels the growth of the in-circuit tester market.

## Asia Pacific In-Circuit Tester Market Revenue and Forecast to 2030 (US\$ Million)

### Asia Pacific In-Circuit Tester Market Segmentation

The Asia Pacific in-circuit tester market is segmented into type, product, portability, industry, and country.

Based on type, the Asia Pacific in-circuit tester market is bifurcated into analog and mixed. The analog segment held a larger share of the Asia Pacific in-circuit tester market in 2022.

In terms of product, the Asia Pacific in-circuit tester market is bifurcated into in-line tester and multimode flying probe tester. The in-line tester segment held a larger share of the Asia Pacific in-circuit tester market in 2022.

Based on portability, the Asia Pacific in-circuit tester market is bifurcated into non-portable and portable. The non-portable segment held a larger share of the Asia Pacific in-circuit tester market in 2022.

Based on industry, the Asia Pacific in-circuit tester market is segmented into consumer electronics, automotive, medical equipment, aerospace & defence, and others. The consumer electronics segment held the largest share of the Asia Pacific in-circuit tester market in 2022.

Based on country, the Asia Pacific in-circuit tester market is segmented into China, Japan, South Korea, India, Australia, and the Rest of Asia Pacific. China dominated the Asia Pacific in-circuit tester market in 2022.

Teradyne Inc; inTEST Corporation; HIOKI E.E. CORPORATION; Konrad GmbH; Keysight Technologies Inc; Kyoritsu Test System Co Ltd; SEICA SPA; SPEA S.p.A.; and Test Research, Inc. are some of the leading companies operating in the Asia Pacific in-circuit tester market.

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