

Asia-Pacific Package Testing - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Asia-Pacific Package Testing Market is expected to register a CAGR of 6.2% during the forecast period.

Key Highlights

- Package testing plays a prominent role in almost every supply chain in the Asia-Pacific region. Package testing ensures the business's packaging is up to specifications and avoids costly product damage, legal situations, and poor user experiences. Packaging testing identifies opportunities in several areas, such as savings on packaging costs, the performance of packaging materials in realistic environmental conditions and transportation scenarios, quality control insights, scalability of packaging, and compliance issues, such as certifications, specifications, and regulations.
- Packaging plays an essential part in the protection of products. In Asia-Pacific, factors such as the growing awareness of and demand for sustainable packaging, growth of the retail industry with increasing demand for packed products, and the emergence of new technologies are driving the growth. Moreover, the requirement for a longer shelf-life of products helps drive the growth of the packaging testing industry in Asia-Pacific. As a result, several companies are investing in sustainable packaging.
- The F&B segment is expected to grow due to increased food safety awareness among consumers and a rise in the number of packaging and labeling mandates in Asian countries. Packaged and processed foods and beverages are gaining prominence. With the increased consumption of consumer goods and packaged food worldwide, the industry is anticipated to expand.
- The healthcare industry in China is characterized by rapidly expanding sales of pharmaceuticals and medical devices and an evolving distribution system eager to reach foreign markets and achieve economies of scale. According to data on trading partners issued by the General Administration of Customs of China, nations with strong demand for highly specialized commodities such as oral equipment and materials, other disinfection, and laboratory instruments are more focused in the first half of 2021.
- Medical masks in China in the first half of 2021 Exports to Africa totaled 182 million dollars, medical protective apparel exports

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reached 44 million dollars, and exports of ventilation equipment totaled 38 million dollars. This is a considerable drop from 2020. Conversely, the percentage of medical gloves and diagnostic reagent shipments rose. According to the China National Bureau of Statistics, China's medical instruments and equipment exports to other countries were approximately USD 18.13 billion in the previous year, which increased by USD 5.22 billion YoY.

- The rest of the globe feared being cut off from crucial Chinese supplies in January and February 2020 as the coronavirus swept throughout China at precisely the wrong time. The outbreak led to a substantial increase in demand for these products in China. To treat COVID-19 patients, China built entire hospitals from the ground up. According to the World Health Organization mission to China, clinics in Guangdong Province alone performed 320,000 tests.

- Fears persisted despite the Chinese government formally disputing media reports in March that it had prohibited the export of medical supplies. In order to allow Chinese enterprises to breach contracts, even those with international suppliers, China had granted a record number of "force majeure" certificates. There has also been an impact of the Russia-Ukraine war on the overall packaging ecosystem.

Asia-Pacific Package Testing Market Trends

Plastic Packaging is Expected to Witness Significant Adoption

- The increasing use of plastic in various packaging types from end-user industries such as food, healthcare, industrial, personal, and household is resulting in a growing number of third-party vendors that provide plastic package testing as a service. However, these vendors still face competition from industry giants in the packaging industry who have their in-house testing facilities. But with changing technology, regulations, and standards to comply with an increasing number of tests to be conducted, single packaging is expected to change the market competitiveness in the region. The market is likely to incline toward fragmentation during the forecast period.

- Moreover, with the rising demand for packaged food, the food industry can obtain longer shelf lives through innovative food packaging materials. The packaging protects food from the outside environment, preserving its integrity, hygienic and organoleptic properties, and shelf life. The product's packaging defends it from possible mechanical stresses and external contamination sources. Packaging preserves food between packaging, marketing, and consumption, even in adverse environmental conditions.

- As any change in the packaging industry directly impacts plastic package testing, the plastic package testing market is also facing competition from paper and biodegradable packaging in terms of material. However, plastic is expected to continue growing due to evolutions in biopolymers with bio-based plastics sourced from sustainable resources like agricultural waste rather than petrochemicals.

- Several production facilities are now approaching commercial-level production, having been successfully demonstrated in several packaging segments, including films and carbonated soft drink bottles. These developments are expected to be followed by increasing support from private vendors and the government.

Food and Beverage is Expected to Witness Significant Growth in the Market

- The demand for online shopping for food and beverages further accelerated due to the recent effects of the pandemic. For instance, according to Korean Statistical Information Service, the transaction value of online food and beverage sales was approximately KRW 6.03 trillion in the first quarter of 2021. Over the years, the transaction value has continuously increased.

- Flexible packaging applications for fruits and vegetables are increasing rapidly, driving the studied market. The demand trends can be attributed to the rising trend of down-gauging, which has supported the shift from rigid to flexible packaging.

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- Consumers are looking for conveniently packaged solutions and are becoming more concerned about sustainability. As a result, retailers and manufacturers have been looking to reduce the amount of garbage transported to landfills. Packaging advances range from reducing the quantity of glass used in each bottle to compostable bioplastic.
- Innovations in fresh fruit and vegetable packaging have several core aims, including product protection, shelf life enhancement, and hygiene defense. The COVID-19 pandemic and a reinvigorated e-commerce boom are increasing functional packaging's value. There has also been a need to provide customized packaging solutions that keep different fruits and vegetables fresh.

Asia-Pacific Package Testing Industry Overview

The Asia-Pacific package testing market is moderately consolidated, with a few major companies like TDDL Inc., Intertek, SGS, CSZ Testing Services Laboratories, CRYOPAK, Advance Packaging, and Nefab. The companies continuously invest in strategic partnerships and product developments to gain more market share.

- February 2023 - ALS stated that it had signed a Sale and Purchase Agreement (SPA) for the sale of its Asset Care business to SRG Global. The purchase price is AUD 80 million (~USD 55.39 million), which will be paid in two installments: AUD 10 million (~USD 6.92 million) upon execution of the SPA and AUD 70 million (~USD 48.47 million) upon completion.
- January 2023 - SGS was awarded contracts to conduct tailings waste analysis, analysis of legacy ore stockpiles, and environmental water monitoring for Green Tech Mining & Services (GTMS). The services will be offered in connection with the GTMS projects at Bishara, Rakkah (formerly Mining Block 10), and Arjaa Tailings (previously Mining Block 4). With the use of these services, GTMS will be able to collect any targeted residual minerals and repair the harm done to the environment. This opportunity also helps it maintain its position as the region's top supplier of laboratory services to the Sultanate of Oman and the Middle Eastern natural resources sector.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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