

Electronic Packaging - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Electronic Packaging Market size is worth USD 25.55 Billion in 2025, growing at an 23.12% CAGR and is forecast to hit USD 72.28 Billion by 2030.

Key Highlights

- As demand surges for TVs, set-top boxes, MP3 players, and digital cameras, electronics packaging is increasingly favored for mass production. The rise of IoT and AI, coupled with the proliferation of intricate electronics, propels the high-end application segment within the consumer electronics and automotive industries. Consequently, to meet this burgeoning demand, advanced technologies for electronics packaging have been swiftly adopted.
- Companies selling electronics are steadily weaving sustainability into their packaging designs, recognizing its pivotal role in shaping consumer choices. For example, tech giant Samsung has committed to integrating eco-friendly materials across its entire product line by 2025. This ambitious move encompasses a shift from conventional plastic packaging to biodegradable or recycled alternatives. Such initiatives not only resonate with eco-conscious consumers but also position the brand as a responsible frontrunner in a market increasingly attuned to environmental issues.
- The digital age is reshaping packaging design. Modern consumer electronics packaging now boasts features like QR codes, augmented reality (AR) interfaces, and NFC (near-field communication) tags. These innovations are revolutionizing consumer interactions with packaging.
- By blending physical packaging with digital experiences, these technologies amplify user engagement. For example, scanning a QR code on a package might lead consumers to a website showcasing detailed product specs, user reviews, or even immersive virtual reality demonstrations. Such capabilities underscore the growing importance of these technologies in the consumer electronics packaging market.
- The automotive industry, particularly with its swift pivot toward electric and hybrid vehicles, plays a dominant role in the market

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landscape. Given the extensive use of memory devices, processors, analog circuits, and sensors in these vehicles, the demand for electronics packaging is poised for a significant uptick.

- Forecasts from IBEF suggest that the Indian electric vehicles (EV) market could touch INR 50,000 crores (USD 7.09 billion) by 2025. Additionally, insights from a CEEW Centre for Energy Finance study indicate a whopping USD 206 billion opportunity for EVs in India by 2030. Such bullish projections are set to further fuel the electronics packaging market.
- While the COVID-19 pandemic cast a shadow on many industries, electronics packaging solutions and consumer electronics packaging showed resilience. The mobile phone and computer industries primarily drive the demand for consumer electronics packaging. Despite challenges like production halts, raw material shortages, and supply chain disruptions, these industries' output remained relatively unscathed.

Electronic Packaging Market Trends

Aerospace and Defense Segment Expected to Increasingly Adopt Electronics Packaging

- Defense budgets are on the rise in both developed nations, including the United States, France, and the United Kingdom, and in developing nations like Russia, India, and China. Many of these countries are also keen on weapon exports. Consequently, there has been a sustained push for R&D investments in the aerospace and defense market.
- In today's dynamic geopolitical climate, the significance of collective defense cannot be overstated. Military and defense forces, encompassing everything from weapons and guidance systems to armed vehicles and their power sources, play a pivotal role in safeguarding a nation from external threats. To uphold a robust military system, both surveillance and armed forces must function with utmost efficiency and effectiveness.
- As reported by the Department of Defence Production (India), defense production in the Financial Year (FY) 2022-23 achieved a historic milestone, surpassing INR 1 lakh crore (~USD 12.05 billion) for the first time, up from INR 95,000 crore (~USD 11.45 billion) in FY 2021-22. Additionally, India's demand for defense batteries is projected to double, rising from 4 gigawatt hours in 2022 to 10 gigawatt hours by 2030. This consistent uptick in defense production, alongside the growing adoption of defense batteries, is poised to drive market growth over the coming years.
- Naval warships, onboard satellite communication channels, weapon control systems, and coastguards all rely on advanced electronic products. These components necessitate military-grade packaging, especially given the challenges posed by humidity and harsh environments. Such demands not only underscore the need for high-quality products but also fuel investments in R&D.

Asia-Pacific to Experience Significant Market Growth

- During the forecast period, Asia-Pacific is poised to dominate the market, driven by expanding automotive infrastructure and a surge in electric vehicle sales. With rising incomes among the middle-income group and a substantial youth demographic, demand in the automotive industry is set to escalate. The Society of Indian Automobile Manufacturers (SIAM) reported that in 2023, India produced 4.54 million passenger vehicles, a notable rise from 3.65 million units in 2022, signaling robust future market growth.
- China, recognized globally as the electronics hub, excels in mass-producing electrical components and electronic products, adhering to top-notch quality, performance, and delivery benchmarks. This prowess underscores the vast growth potential of the electronics packaging market.
- China's industry growth is fueled by surging domestic demand, technological innovations, and a commitment to producing premium products. Such extensive production of paper and paperboard in China fosters a thriving environment for electronics packaging sales.

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- The Indian electronic manufacturing industry, buoyed by strong policy backing, substantial investments, and a rising demand for electronic products, is projected to hit USD 220 billion by 2025, as reported by the National Investment Promotion & Facilitation Agency (NIPFA).

Electronic Packaging Industry Overview

The electronics packaging market is fragmented. Microsystems are used in almost every industry vertical, with some significant sections being consumer electronics, healthcare equipment, aerospace and defense, and communications. The major market players include UFP Technologies, Schott AG, Sealed Air Corporation, DuPont de Nemours Inc., and Sonoco Products Company.

- September 2023: Sealed Air collaborated with Sparck Technologies, a key 3D automated packaging solutions provider. Sealed Air is expected to exclusively distribute Sparck Technologies' 3D CVP automated packaging solutions in Australia, South Korea, Japan, and South Korea. As part of the alliance, Sealed Air's customers will benefit from access to the industry's most advanced automated packaging solutions, allowing them to streamline processes and create a more secure work environment.
- November 2023: Mondi announced that it was leading the charge for sustainable alternatives by promoting corrugated packaging as a fully recyclable and compostable option. The company's corrugated boxes, made from recycled fibers, play a pivotal role in achieving Europe's notable 82.5% recycling rate for paper-based packaging. Committed to circular packaging for white goods and electronics, Mondi's experts in materials and designs are crafting advanced corrugated solutions as substitutes for EPS materials.
- September 2023: Schott AG unveiled new microelectronic packages for the aerospace industry. The packages aim to extend the life of avionics protection while reducing the weight by up to 75% compared to conventional electronics packaging made from Kovar iron-nickel alloy. The products are also said to protect sensitive electronics, such as radio frequency designs, direct current/direct current converters (DC/DC), electrical storage devices, and sensor components.

Additional Benefits:

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

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