

Hermetic Packaging Industry: Projected 4.2% CAGR Growth, Reaching US\$ 5.2 Billion by 2033 | Future Market Insights Inc.

Hermetic packaging industry surges in Asia Pacific, driven by defense spending, economic growth, and energy demand.

NEWARK, DELAWARE, UNITED STATES OF AMERICA, October 23, 2023 /EINPresswire.com/ -- The [hermetic packaging industry](#) is to advance from 2023 to 2033, at a 4.2% CAGR, reaching a market worth of US\$ 5.2 billion by the end of 2033, up from US\$ 3.4 billion in 2023.



One of the leading factors contributing to the increase in market revenue is the growing need for hermetic packaging across various sectors, such as defense, aerospace, and military applications, to protect sensitive electronic components.

Industry's Leading Determinants of Growth

The industry's revenue growth is primarily driven by the increasing demand for hermetic packaging in the consumer electronics sector and its widespread adoption across various industries. Factors such as a rising middle-income population, evolving lifestyle preferences, and the increased use of smart electronic devices play a crucial role in boosting market revenue. Furthermore, advancements in product technology within the consumer electronics sector are expected to further drive market expansion.

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Challenges Curtailing the Evolution of the Global Hermetic Packaging Industry

The global hermetic packaging industry expansion is being hindered by several adverse factors, with one of the key contributors to potentially impede revenue growth over the forecast period being the presence of alternative packaging options. Although there have been improvements in this packaging solution, it faces competition from various substitutes that are considered protective and reliable. For instance, plastic packaging is among these alternatives utilized in military and defense applications as a sealing technique to safeguard components exposed to extreme temperatures.

Opportunities for Industry

In various aircraft systems within the aerospace industry, hermetically sealed terminals, headers, and connectors play a vital role. For instance, hermetic connectors are essential for preserving the integrity of delicate electronics within flight data recorders or black boxes and are also employed to detect and prevent fuel leakage in fuel systems and gasoline tanks. The anticipated growth in global demand for hermetic food packaging in commercial aircraft, coupled with technological advancements and increasing industrialization, presents significant opportunities for both well-established companies and newcomers in the industry, promising a profitable business landscape.

North America has the Industry's Maximum Revenue Share

In 2023, North America emerged as the dominant regional market, boasting a substantial share of the revenue. This is primarily attributed to the region's augmented defense expenditures, the presence of leading aircraft manufacturers, and the robust development of the medical sector, all of which contribute to the growth of the hermetic electronic packaging market in North America.

Asia Pacific Maintains its Top Spot in Revenue CAGR

Asia Pacific hermetic packaging industry is likely to grow at a rapid pace. Increasing hermetic seal demand from a range of end-use verticals such as automotive, telecommunications, and military & defense is likely to fuel market expansion in Asia Pacific.

Key Takeaways

Together, East Asia, South Asia, and Oceania are to account for 38% of the global hermetic electronic packaging market in 2023.

Due to significant regional end-use sectors' high hermetic packaging sales, North America is to account for 24.7% of the global market.

In 2023, Europe is projected to hold a 29.6% share of the global hermetic food packaging market.

Latin America and the Middle East and Africa are to hold 4.7% and 3.1% of the hermetic food packaging market share, respectively, in 2023.

Industry Competition Analysis for Hermetic Packaging

The intense rivalry in the hermetic packaging market is fairly strong owing to the existence of

some prominent hermetic packaging manufacturers such as

AMETEK Inc.

Amkor Technology Inc.

Egide SA

Kyocera Corporation

Legacy Technologies Inc.

Materion Corporation

Microcross Components

These manufacturers have a competitive lead over their competitors thanks to their ability to continuously improve their products and services. The hermetic packaging manufacturers can gain a solid presence in the hermetic seal market through strategic alliances, mergers and acquisitions, and research and development initiatives.

Strategy and Objectives of Leading Companies

Launch

In April 2020, NanoRetina revealed successful preliminary results for its NR600 Artificial Retina Device, which used glass laser bonding technology from SCHOTT Primoceler. NanoRetina has made a significant step forward in developing a retinal implant that could provide a solution to degenerative vision loss. For the ultra-miniature, all-glass encapsulation of the device, SCHOTT Primoceler's hermetic glass wafer micro bonding was utilized.

Expansion

Schott AG expanded its product offering in 2020 by launching a range of hermetic goods and introducing its breakthrough HEATAN technology.

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Key Segmentations

By Hermetic Seal:

Epoxy Hermetic Seals

Glass-to-Metal (GTM) Hermetic Seals

Ceramic-to-Metal (CTM) Hermetic Seals

Glassware Sealings

PTFE Sealing Rings

O-Rings

PTFE Sleeves

By Configuration:

Multilayer Ceramic Packages

Metal Can Packages

Pressed Ceramic Packages

By Application:

Semiconductor Electronics

Thermostats

Optical devices

Switches

Microelectromechanical Systems (MEMS)

Electrical or Electronic Parts

Batteries

By Region:

North America

Latin America

Europe

East Asia

South Asia & Pacific

The Middle East & Africa (MEA)

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[FMCG Packaging Industry Size](#) is anticipated to cross a value of US\$ 778.7 billion by 2033.

[Beverage Packaging Industry Share](#) expected to be worth US\$ 1,656.7 million by 2033, exhibiting a CAGR of 5.1%.

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