

Global Microgravity Packaging Systems Market Growth 2026-2032

<https://marketpublishers.com/r/GF977941E9AEEN.html>

Date: July 2026

Pages: 172

Price: US\$ 3,660.00 (Single User License)

ID: GF977941E9AEEN

Abstracts

The global Microgravity Packaging Systems market size is predicted to grow from US\$ 306 million in 2025 to US\$ 801 million in 2032; it is expected to grow at a CAGR of 14.8% from 2026 to 2032.

Microgravity Packaging Systems refer to specialized containers, pouches, bags, and stowage solutions that are engineered, manufactured, and flight qualified for operation in microgravity environments. These systems address unique microgravity challenges such as fluid slosh, bubble entrapment, particle dispersion, closure reliability under vacuum or vented conditions, and strict volume/mass efficiency for launch. In 2025, global microgravity packaging systems production reached approximately 20,575 unit, with an average global market price of around USD 15,200 per unit. A factory gross profit of USD 3,952 per unit with 26% gross margin. A single line full machine capacity production is around 100 unit per line per year. downstream demand is concentrated in space food, fluid management and pharmaceutical and biotech.. An astronaut aboard a space station uses a vacuum-sealed, valve-controlled pouch to consume liquid nutrition. The packaging prevents liquid from floating, allows controlled suction, and maintains sterility for months. China and USA are leading the market, due to extended activity of commercial space program.

United States market for Microgravity Packaging Systems is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Microgravity Packaging Systems is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Microgravity Packaging Systems is estimated to increase from US\$

million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Microgravity Packaging Systems players cover Thales Alenia Space (US), Lockheed Martin (US), Boeing (US), Sierra Space (US), Redwire (US), etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Microgravity Packaging Systems Industry Forecast" looks at past sales and reviews total world Microgravity Packaging Systems sales in 2025, providing a comprehensive analysis by region and market sector of projected Microgravity Packaging Systems sales for 2026 through 2032. With Microgravity Packaging Systems sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Microgravity Packaging Systems industry.

This Insight Report provides a comprehensive analysis of the global Microgravity Packaging Systems landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Microgravity Packaging Systems portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Microgravity Packaging Systems market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Microgravity Packaging Systems and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Microgravity Packaging Systems.

This report presents a comprehensive overview, market shares, and growth opportunities of Microgravity Packaging Systems market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Flexible Pouches

Semi Rigid Trays

Rigid Containers

Soft Storage Bags

Others

Segmentation by Leakage Rate:

Zero Leak Certified (

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Microgravity Packaging Systems Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Microgravity Packaging Systems by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Microgravity Packaging Systems by Country/Region, 2021, 2025 & 2032
- 2.2 Microgravity Packaging Systems Segment by Type
 - 2.2.1 Flexible Pouches
 - 2.2.2 Semi Rigid Trays
 - 2.2.3 Rigid Containers
 - 2.2.4 Soft Storage Bags
 - 2.2.5 Others
 - 2.2.6 Microgravity Packaging Systems Sales by Type
 - 2.2.6.1 Global Microgravity Packaging Systems Sales Market Share by Type (2021-2026)
 - 2.2.6.2 Global Microgravity Packaging Systems Revenue and Market Share by Type (2021-2026)
 - 2.2.6.3 Global Microgravity Packaging Systems Sale Price by Type (2021-2026)
- 2.3 Microgravity Packaging Systems Segment by Leakage Rate
 - 2.3.1 Zero Leak Certified (

List Of Tables

LIST OF TABLES

Table 1. Microgravity Packaging Systems Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Microgravity Packaging Systems Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Flexible Pouches

Table 4. Major Players of Semi Rigid Trays

Table 5. Major Players of Rigid Containers

Table 6. Major Players of Soft Storage Bags

Table 7. Major Players of Others

Table 8. Global Microgravity Packaging Systems Sales by Type (2021-2026) & (K Units)

Table 9. Global Microgravity Packaging Systems Sales Market Share by Type (2021-2026)

Table 10. Global Microgravity Packaging Systems Revenue by Type (2021-2026) & (\$ million)

Table 11. Global Microgravity Packaging Systems Revenue Market Share by Type (2021-2026)

Table 12. Global Microgravity Packaging Systems Sale Price by Type (2021-2026) & (US\$/Unit)

Table 13. Major Players of Zero Leak Certified (

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Microgravity Packaging Systems
- Figure 2. Microgravity Packaging Systems Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Microgravity Packaging Systems Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Microgravity Packaging Systems Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Microgravity Packaging Systems Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Microgravity Packaging Systems Sales Market Share by Country/Region (2025)
- Figure 10. Microgravity Packaging Systems Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Flexible Pouches
- Figure 12. Product Picture of Semi Rigid Trays
- Figure 13. Product Picture of Rigid Containers
- Figure 14. Product Picture of Soft Storage Bags
- Figure 15. Product Picture of Others
- Figure 16. Global Microgravity Packaging Systems Sales Market Share by Type in 2026
- Figure 17. Global Microgravity Packaging Systems Revenue Market Share by Type (2021-2026)
- Figure 18. Product Picture of Zero Leak Certified (

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