

Global Metal Vacuum Insulation Panels Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Metal Vacuum Insulation Panels market size is expected to reach \$ 2620 million by 2032, rising at a market growth of 7.4% CAGR during the forecast period (2026-2032).

In 2025, global Metal Vacuum Insulation Panels production reached approximately 59.23 million m², with an average global market price of around US\$26 per m².

The gross profit margin of major companies in the industry is between 22% ? 38%.

In 2025, the global production capacity of Metal Vacuum Insulation Panels was approximately 78.97 million m².

Metal Vacuum Insulation Panels are high-performance thermal insulation materials consisting of a core material enclosed in a gas-tight metallic barrier under vacuum conditions. They offer very low thermal conductivity, thin structure, and strong insulation performance, making them suitable for refrigeration, construction, appliances, and temperature-sensitive logistics applications.

The industrial chain of Metal Vacuum Insulation Panels includes upstream core materials, metal barrier films, getters, sealants, laminates, and vacuum processing equipment. Midstream covers panel forming, vacuum sealing, leak testing, cutting, and inspection. Downstream applications mainly include refrigerators, cold chain boxes, building insulation, appliances, and specialized thermal protection systems.

The metal vacuum insulation panel market grows due to demand for ultra-thin, high-efficiency thermal insulation in cold chain, construction, home appliances, and

automotive sectors. Metal-faced VIPs offer improved durability, barrier performance, and structural strength compared to traditional versions. Energy-saving policies and low-carbon development drive wider adoption

This report studies the global Metal Vacuum Insulation Panels production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Metal Vacuum Insulation Panels and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Metal Vacuum Insulation Panels that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Metal Vacuum Insulation Panels total production and demand, 2021-2032, (K Sqm)

Global Metal Vacuum Insulation Panels total production value, 2021-2032, (USD Million)

Global Metal Vacuum Insulation Panels production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm), (based on production site)

Global Metal Vacuum Insulation Panels consumption by region & country, CAGR, 2021-2032 & (K Sqm)

U.S. VS China: Metal Vacuum Insulation Panels domestic production, consumption, key domestic manufacturers and share

Global Metal Vacuum Insulation Panels production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Sqm)

Global Metal Vacuum Insulation Panels production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

Global Metal Vacuum Insulation Panels production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

This report profiles key players in the global Metal Vacuum Insulation Panels market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Tiger Corporation, Panasonic, va-Q-tec, Kingspan, Evonik, Thermo-Safe (Sonoco), Porextherm (Morgan Advanced Materials), Vacuum Insulation Panel Association (VIPA International), Microtherm, Variotec, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Metal Vacuum Insulation Panels market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Sqm) and average price (US\$/Sq m) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Metal Vacuum Insulation Panels Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Metal Vacuum Insulation Panels Market, Segmentation by Type:

Ultra Thin Plate

Thin Plate

Thick Plate

Global Metal Vacuum Insulation Panels Market, Segmentation by Barrier Material:

Silica Core VIP

Glass Fiber Core VIP

Composite Core VIP

Global Metal Vacuum Insulation Panels Market, Segmentation by Thermal Conductivity:

Low Thermal Conductivity VIP (<0.005 W/m $\cdot$ K)

Medium Thermal Conductivity VIP (0.005 – 0.008 W/m $\cdot$ K)

High Thermal Conductivity VIP (>0.008 W/m $\cdot$ K)

Global Metal Vacuum Insulation Panels Market, Segmentation by Application:

Construction Industry

Logistics Industry

Home Appliance Industry

Other

Companies Profiled:

Tiger Corporation

Panasonic

va-Q-tec

Kingspan

Evonik

Thermo-Safe (Sonoco)

Porextherm (Morgan Advanced Materials)

Vacuum Insulation Panel Association (VIPA International)

Microtherm

Variotec

Fujian SuperTech

Zhonghong New Material

Suda New Energy

LandVac (LandGlass)

Yingli Group

Kaimu New Material

Zhongte Thermal

Key Questions Answered:

1. How big is the global Metal Vacuum Insulation Panels market?
2. What is the demand of the global Metal Vacuum Insulation Panels market?
3. What is the year over year growth of the global Metal Vacuum Insulation Panels market?
4. What is the production and production value of the global Metal Vacuum Insulation Panels market?
5. Who are the key producers in the global Metal Vacuum Insulation Panels market?
6. What are the growth factors driving the market demand?

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