

Global Insulated Metal Substrate (IMS) Market Growth 2023-2029

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Abstracts

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The global Insulated Metal Substrate (IMS) market size is projected to grow from US\$ 684.5 million in 2022 to US\$ 903.5 million in 2029; it is expected to grow at a CAGR of 9.03% from 2023 to 2029.

Global key players of Insulated Metal Substrates include AT&S, NHK, NCAB Group, Ventec, W?rthElektronik GmbH and TCLAD Inc, etc. Top two players occupy for a share about 15%. China is the largest market, with a share about 25%, followed by North America and Europe. In terms of product, Aluminum Based is the largest segment, with a share over 50%. In terms of application, Industrial Control is the largest market, with a share over 36%.

Insulated metal substrate (IMS) consists of a metal baseplate (aluminium is commonly used because of its low cost and density) covered by a thin layer of dielectric (usually an epoxy-based layer) and a layer of copper (35 μm to more than 200 μm thick). The FR-4-based dielectric is usually thin (about 102 μm) because it has poor thermal conductivity compared to the ceramics used in DBC substrates.

Due to its structure, the IMS is a single-sided substrate, i.e. it can only accommodate components on the copper side. In most applications, the baseplate is attached to a heatsink to provide cooling, usually using thermal grease and screws. Some IMS substrates are available with a copper baseplate for better thermal performances.

Compared to a classical printed circuit board, the IMS provides a better heat dissipation. It is one of the simplest ways to provide efficient cooling to surface mount components.

The Insulated Metal Substrates industry can be broken down into several segments, Copper Based, Aluminum Based, etc.

LPI (LP Information)' newest research report, the "Insulated Metal Substrate (IMS) Industry Forecast" looks at past sales and reviews total world Insulated Metal Substrate (IMS) sales in 2022, providing a comprehensive analysis by region and market sector of projected Insulated Metal Substrate (IMS) sales for 2023 through 2029. With Insulated Metal Substrate (IMS) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Insulated Metal Substrate (IMS) industry.

This Insight Report provides a comprehensive analysis of the global Insulated Metal Substrate (IMS) 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 Insulated Metal Substrate (IMS) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Insulated Metal Substrate (IMS) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Insulated Metal Substrate (IMS) 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 Insulated Metal Substrate (IMS).

This report presents a comprehensive overview, market shares, and growth opportunities of Insulated Metal Substrate (IMS) market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Below 2

Between 2 and 3

Above 3

Segmentation by application

LED Lighting

Automotive Electronics

Power Electronics

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Ventec International Group

Henkel (Bergquist)

DK Thermal

Denka

Aismalibar

AT&S

PragoBoard s.r.o

NCAB Group

Polytronics Technology Corporation (PTTC)

Camtech

Key Questions Addressed in this Report

What is the 10-year outlook for the global Insulated Metal Substrate (IMS) market?

What factors are driving Insulated Metal Substrate (IMS) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Insulated Metal Substrate (IMS) market opportunities vary by end market size?

How does Insulated Metal Substrate (IMS) break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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