

EMI Shielding Market Size to Grow USD 11.75 Billion by 2032 | SNS Insider

EMI Shielding Market is growing with demand for protection against electromagnetic interference in electronics, driven by 5G, automotive, and IoT advancements.

AUSTIN, TX, UNITED STATES, February 11, 2025 /EINPresswire.com/ -- Market Size & Industry Insights

As Per the SNS Insider, "The [EMI Shielding Market Size](#) was valued at USD 7.18 billion in 2023, is projected to reach USD 11.75 billion by 2032, growing at a CAGR of 5.6% (2024-2032)."



The growth of the market is attributed to the rising demand for consumer electronics, expanding 5g & telecommunications networks, increasing adoption of electric vehicles, and strict regulations aimed at ensuring electromagnetic compatibility in healthcare and defense sectors.

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SWOT Analysis of Key Players as follows:

- 3M Company
- Henkel Corporation
- Kitagawa Industries
- Leader Tech
- PPG Industries
- SCHAFFNER HOLDING
- ETS-Lindgren
- KGS
- Laird PLC
- PARKER HANNIFIN
- RTP Company

- MG Chemicals
- Nolato AB
- tech Etch Inc.
- Huntsman International LLC
- ETS-Lindgren
- Omega Shielding Products
- HEICO Corporation

Key Market Segmentation

By Material, conductive coatings & paints dominating and conductive polymers Fastest Growing

The conductive coatings & paints segment dominated the EMI shielding market by material, EMI shielding is achieved through the application of these coatings to create a conductive surface, which effectively reflects or attenuates electromagnetic radiation and helps protect sensitive electronic components. It is often used in surface shielding, sealing, and gasketing applications to improve system performance and durability. It dominates due to affordability, ease of application, and compatibility with material.

Conductive Polymers are the fastest-growing segment from 2024 to 2032, offering mechanical flexibility, lightweight properties, and metal-like conductivity. Their rising adoption in electronics, automotive, and aerospace, where miniaturization is crucial, fuels their rapid market expansion.

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By Method, Radiation shielding methods dominating and conductive shielding Fastest Growing

Radiation shielding methods dominated the EMI shielding market with a share of over 53% in 2023 due to their inherent cost efficiency and applicability over a diverse range of materials, proportions, and surfaces. In high-volume applications, they are low-cost and provide good protection to sensitive electronic components. Apart from this, these shielding techniques are simple to install and maintain, propelling their uptake.

Conductive shielding is the fastest-growing method over the forecast period 2024-2032, gaining traction due to its superior conductivity and effectiveness in high frequency applications, making it a preferred choice in advanced electronic and telecommunication systems.

By Industry, Consumer electronics dominating and Telecommunications Fastest Growing

Consumer electronics dominated the EMI shielding market as they rely on multiple electronic components and wireless modules operating at different frequencies. Without proper shielding, interference can cause signal issues, making EMI protection essential.

The telecommunications segment is the fastest growing from 2024 to 2032, due to demands of 4G and 5G networks for interference free transmission. EMI shielding is essential for the safety of automotive systems, such as ADAS, ECUs, and ABS. Pulse Oximeters and glucose meters are examples of healthcare devices that need protection to get the accurate reading and save them from electromagnetic interference so that they can work efficiently.

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North America Leads, While Asia Pacific Emerges as the Fastest-Growing EMI Shielding Market

North America dominates the EMI shielding market is driven by its well-established technological environment owing to extensive research and development activities in defense, healthcare, and space exploration industries. The U.S. leads with the world's highest defense budget and a growing healthcare sector fueled by increasing population and disposable income. These factors contribute to rising demand for EMI shielding products.

Asia Pacific is the fastest-growing region (2024-2032), driven by rapid industrialization, infrastructure development, and a strong presence of electronics and automotive manufacturers, particularly in China. The region's low operational costs, increasing demand for telecommunications, and expanding EV production further accelerate market growth, making it a key player in the EMI shielding industry.

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This press release can be viewed online at: <https://www.einpresswire.com/article/784989923>

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