

Global EMC Filtration Market Size Study, by EMC Filters (1-Phase EMC Filters, 3-Phase EMC Filters, DC Filters, IEC Inlets, Chokes), by Power Quality Filters (Passive Harmonic Filters, Active Harmonic Filters, Output Filters, Reactors), by Application (Telecom, Military, Electronics, Medical, Consumer, Automobile, Commercial) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G69500977445EN.html>

Date: January 2025

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G69500977445EN

Abstracts

The Global EMC Filtration Market is valued approximately at USD 1.18 billion in 2023 and is anticipated to grow with a healthy growth rate CAGR 5.0% over the forecast period 2024-2032. EMC filtration systems are integral for managing electromagnetic interference (EMI), which poses a significant challenge to the functionality and reliability of electronic systems. EMI risks are exacerbated by the growing complexity of modern electronic devices, driven by advancements in technologies such as IoT, 5G, and high-speed data communication. As these technologies proliferate, so does the need for robust EMC filtration solutions to mitigate EMI and enhance operational efficiency.

The market is primarily driven by the increasing adoption of electronic devices across consumer electronics, automotive, industrial automation, and energy & utilities sectors. These devices are susceptible to EMI, which can compromise their performance, lead to malfunctions, or cause safety concerns. To counteract these challenges, industries are deploying EMC filters to ensure smooth operations, reliability, and compliance with electromagnetic compatibility standards.

The industry automation application segment is expected to dominate the market, as automation technologies become more pervasive across sectors. Motor drives, robotics, and industrial machinery rely on EMC filters to maintain operational stability and

efficiency, particularly in environments with high EMI exposure. Furthermore, EMC filters such as 1-Phase EMC Filters, 3-Phase EMC Filters, DC Filters, IEC Inlets, and Chokes are projected to grow at the highest CAGR during the forecast period. These filters play a crucial role in high-frequency noise reduction across applications such as EV charging, elevators, medical devices, lighting, and power supplies.

The Asia Pacific region leads the market in terms of share and growth potential and is projected to maintain this dominance through 2029. This regional growth is attributed to substantial investments in smart infrastructure, industrial automation, renewable energy systems, and electric vehicles. Key countries such as China, Japan, and India are driving this growth through government initiatives aimed at fostering innovation and local manufacturing capabilities. Additionally, the adoption of EVs and renewable energy solutions further strengthens the demand for EMC filtration solutions.

Leading companies in the EMC Filtration Market include Astrodyne Corporation, DEM Manufacturing Ltd., Schaffner Holding AG, TE Connectivity Ltd., and Schurter Holding AG, among others. These players are actively investing in R&D, introducing innovative products, and forming strategic alliances to address the growing demand for EMI mitigation solutions and capitalize on emerging opportunities.

The detailed segments and sub-segment of the market are explained below:

By EMC Filters

1-Phase EMC Filters

3-Phase EMC Filters

DC Filters

IEC Inlets

Chokes

By Power Quality Filters

Passive Harmonic Filters

Active Harmonic Filters

Output Filters

Reactors

By Application

Telecom

Military

Electronics

Medical

Consumer

Automobile

Commercial

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approaches.

Demand-side and supply-side analysis of the market.

Contents

CHAPTER 1. GLOBAL EMC FILTRATION MARKET EXECUTIVE SUMMARY

- 1.1. Global EMC Filtration Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By EMC Filters
 - 1.3.2. By Power Quality Filters
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL EMC FILTRATION MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL EMC FILTRATION MARKET DYNAMICS

- 3.1. Market Drivers

- 3.1.1. Proliferation of electronic devices across industries
- 3.1.2. Increasing adoption of advanced technologies like IoT, AI, and 5G
- 3.1.3. Rising need for automation and robotics in industrial applications
- 3.2. Market Challenges
 - 3.2.1. High cost of advanced EMC filtration systems
 - 3.2.2. Compliance complexities with evolving regulatory standards
- 3.3. Market Opportunities
 - 3.3.1. Expansion of renewable energy and electric vehicle sectors
 - 3.3.2. Advancements in automation and smart infrastructure technologies

CHAPTER 4. EMC FILTRATION MARKET, BY EMC FILTERS

- 4.1. Segment Dashboard
- 4.2. 1-Phase EMC Filters
- 4.3. 3-Phase EMC Filters
- 4.4. DC Filters
- 4.5. IEC Inlets
- 4.6. Chokes

CHAPTER 5. EMC FILTRATION MARKET, BY POWER QUALITY FILTERS

- 5.1. Segment Dashboard
- 5.2. Passive Harmonic Filters
- 5.3. Active Harmonic Filters
- 5.4. Output Filters
- 5.5. Reactors

CHAPTER 6. EMC FILTRATION MARKET, BY APPLICATION

- 6.1. Segment Dashboard
- 6.2. Consumer Electronics
- 6.3. Automotive
- 6.4. Industry Automation
- 6.5. Energy & Utilities
- 6.6. Telecommunications
- 6.7. Medical

CHAPTER 7. EMC FILTRATION MARKET, BY REGION

- 7.1. North America EMC Filtration Market
 - 7.1.1. U.S. EMC Filtration Market
 - 7.1.2. Canada EMC Filtration Market
- 7.2. Europe EMC Filtration Market
 - 7.2.1. France EMC Filtration Market
 - 7.2.2. Germany EMC Filtration Market
 - 7.2.3. Italy EMC Filtration Market
 - 7.2.4. Spain EMC Filtration Market
 - 7.2.5. UK EMC Filtration Market
 - 7.2.6. Rest of Europe EMC Filtration Market
- 7.3. Asia-Pacific EMC Filtration Market
 - 7.3.1. China EMC Filtration Market
 - 7.3.2. Japan EMC Filtration Market
 - 7.3.3. India EMC Filtration Market
 - 7.3.4. South Korea EMC Filtration Market
 - 7.3.5. Taiwan EMC Filtration Market
 - 7.3.6. Rest of Asia-Pacific EMC Filtration Market
- 7.4. LAMEA EMC Filtration Market
 - 7.4.1. Latin America EMC Filtration Market
 - 7.4.2. Middle East EMC Filtration Market
 - 7.4.3. Africa EMC Filtration Market

CHAPTER 8. COMPETITIVE LANDSCAPE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Astrodyne Corporation
 - 8.1.2. DEM Manufacturing Ltd.
 - 8.1.3. Schaffner Holding AG
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. Astrodyne Corporation
 - 8.3.2. DEM Manufacturing Ltd.
 - 8.3.3. Schaffner Holding AG
 - 8.3.4. TE Connectivity Ltd.
 - 8.3.5. Schurter Holding AG
 - 8.3.6. Total EMC Products Ltd.
 - 8.3.7. EPCOS AG
 - 8.3.8. REO Ltd.
 - 8.3.9. Premo Corporation S.L.

8.3.10. ETS-Lindgren

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

12. LIST OF TABLES

- TABLE 1: Global EMC Filtration Market, Report Scope
- TABLE 2: EMC Filtration Market Estimates & Forecasts by Region, 2022-2032
- TABLE 3: EMC Filtration Market Estimates & Forecasts by EMC Filters, 2022-2032
- TABLE 4: EMC Filtration Market Estimates & Forecasts by Power Quality Filters, 2022-2032
- TABLE 5: Regional Analysis of EMC Filtration Market by Application, 2022-2032
- ... (additional 95+ tables included)

12. LIST OF FIGURES

- FIGURE 1: EMC Filtration Market Research Methodology
- FIGURE 2: EMC Filtration Market Estimation Techniques
- FIGURE 3: Key Trends Shaping EMC Filtration Market, 2023
- FIGURE 4: Global EMC Filtration Market by Region, 2022 & 2032
- FIGURE 5: EMC Filtration Market Dynamics Analysis
- ... (additional 45+ figures included)

I would like to order

Product name: Global EMC Filtration Market Size Study, by EMC Filters (1-Phase EMC Filters, 3-Phase EMC Filters, DC Filters, IEC Inlets, Chokes), by Power Quality Filters (Passive Harmonic Filters, Active Harmonic Filters, Output Filters, Reactors), by Application (Telecom, Military, Electronics, Medical, Consumer, Automobile, Commercial) and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G69500977445EN.html>

Price: US\$ 3,750.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G69500977445EN.html>