

Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Size study, by Type (Conductive Coatings and Paints, EMI Shielding Tapes, Metal Shielding & Test Equipment), by Application (Aerospace and Defense, Consumer Electronics, Healthcare, IT and Telecom), and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G27013611ABCEN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G27013611ABCEN

Abstracts

The Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market is valued at approximately USD 5.84 billion in 2023 and is anticipated to grow at a compound annual growth rate (CAGR) of 6.45% from 2024 to 2032. The market encompasses a wide range of products and services designed to mitigate the issues caused by electromagnetic interference (EMI) in electronic systems. Ensuring EMC has become crucial to maintaining the reliable operation of these systems in a world where wireless technologies and electronic devices are proliferating. EMC shielding solutions are vital for containing electromagnetic emissions within electronic devices to minimize interference with nearby components or external systems. These shields can be made of conductive coatings, metallic enclosures, or specialty materials designed to efficiently reflect or absorb electromagnetic waves. By reducing the possibility of EMI-induced malfunctions or performance degradation, their implementation ensures regulatory compliance and enhances overall product reliability.

In addition to shielding, EMC test equipment plays a critical role in confirming the efficacy of shielding measures and evaluating the electromagnetic compatibility of electronic systems and devices. These instruments and methods cover a broad range of frequencies and environmental conditions, used to measure electromagnetic emissions, susceptibility, and immunity. Examples include anechoic chambers,

conducted emissions and immunity testers, spectrum analyzers, and near-field probes. The market for EMC shielding and test equipment is expanding rapidly due to the growing need for electronics in various sectors. The widespread use of wireless technologies and Internet of Things (IoT) devices has led to a greater emphasis on ensuring electromagnetic compatibility, resulting in advancements in shielding materials and innovative testing methods.

The key regions considered for the Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. The North American market, particularly the United States and Canada, presents significant demand due to the presence of high-tech industries and stringent regulatory requirements. Europe, with its robust R&D initiatives and strict regulations on electronic devices, is also a key market. Meanwhile, the Asia Pacific region is witnessing rapid growth driven by the burgeoning consumer electronics sector in China and India.

Major market players included in this report are:

Laird Performance Materials
Parker Hannifin (Chomerics Division)
Rohde & Schwarz
Schaffner Holding AG
TE Connectivity
3M Company
ETS-Lindgren
Teseq (AMETEK CTS)
Leader Tech Inc.
KITAGAWA INDUSTRIES America, Inc.
Keysight Technologies
Fair-Rite Products Corp
EMC Test Design, LLC
Tech-Etch, Inc
Henkel AG & Co. KGaA

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

By Type

Conductive Coatings and Paints
EMI Shielding Tapes
Metal Shielding & Test Equipment

By Application:

Aerospace and Defense
Consumer Electronics
Healthcare
IT and Telecom

By Region:

North America
U.S.
Canada
Europe
UK
Germany
France
Italy
Spain
The Netherlands
Rest of Europe
Asia Pacific
China
India
Japan
South Korea
Australia
Rest of Asia Pacific

Latin America

Brazil
Mexico
Rest of Latin America

Middle East & Africa

Saudi Arabia
South Africa
Rest of Middle East & Africa

Years considered for the study are as follows:

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 approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL ELECTROMAGNETIC COMPATIBILITY (EMC) SHIELDING AND TEST EQUIPMENT MARKET EXECUTIVE SUMMARY

- 1.1. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Type
 - 1.3.2. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL ELECTROMAGNETIC COMPATIBILITY (EMC) SHIELDING AND TEST EQUIPMENT 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 ELECTROMAGNETIC COMPATIBILITY (EMC) SHIELDING

Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Size study, by Type (Conductive...

AND TEST EQUIPMENT MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Growing Need for Electronics Across Various Sectors
- 3.1.2. Emphasis on Ensuring Electromagnetic Compatibility
- 3.1.3. Technological Advancements in Shielding Materials

3.2. Market Challenges

- 3.2.1. High Cost of Advanced Shielding Solutions
- 3.2.2. Complexity of Testing Methods

3.3. Market Opportunities

- 3.3.1. Rise of 5G Technology
- 3.3.2. Miniaturization of Electronic Devices
- 3.3.3. Development of Wireless Testing and IoT

CHAPTER 4. GLOBAL ELECTROMAGNETIC COMPATIBILITY (EMC) SHIELDING AND TEST EQUIPMENT MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ELECTROMAGNETIC COMPATIBILITY (EMC) SHIELDING

AND TEST EQUIPMENT MARKET SIZE & FORECASTS BY TYPE 2022-2032

5.1. Segment Dashboard

5.2. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market: Type Revenue Trend Analysis, 2022 & 2032 (USD Billion)

5.2.1. Conductive Coatings and Paints

5.2.2. EMI Shielding Tapes

5.2.3. Metal Shielding & Test Equipment

CHAPTER 6. GLOBAL ELECTROMAGNETIC COMPATIBILITY (EMC) SHIELDING AND TEST EQUIPMENT MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

6.1. Segment Dashboard

6.2. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. Aerospace and Defense

6.2.2. Consumer Electronics

6.2.3. Healthcare

6.2.4. IT and Telecom

CHAPTER 7. GLOBAL ELECTROMAGNETIC COMPATIBILITY (EMC) SHIELDING AND TEST EQUIPMENT MARKET SIZE & FORECASTS BY REGION 2022-2032

7.1. North America Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market

7.1.1. U.S. Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market

7.1.1.1. Type breakdown size & forecasts, 2022-2032

7.1.1.2. Application breakdown size & forecasts, 2022-2032

7.1.2. Canada Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market

7.1.2.1. Type breakdown size & forecasts, 2022-2032

7.1.2.2. Application breakdown size & forecasts, 2022-2032

7.2. Europe Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market

7.2.1. U.K. Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market

7.2.2. Germany Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market

7.2.3. France Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market

- 7.2.4. Italy Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
- 7.2.5. Spain Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
- 7.2.6. Rest of Europe Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
- 7.3. Asia-Pacific Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.3.1. China Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.3.2. India Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.3.3. Japan Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.3.4. South Korea Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.3.5. Rest of Asia Pacific Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
- 7.4. Latin America Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.4.1. Brazil Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.4.2. Mexico Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.4.3. Rest of Latin America Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
- 7.5. Middle East & Africa Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.5.1. Saudi Arabia Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.5.2. South Africa Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market
 - 7.5.3. Rest of Middle East & Africa Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Company
 - 8.1.2. Company

- 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. Laird Performance Materials
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Market Strategies
 - 8.3.2. Parker Hannifin (Chomerics Division)
 - 8.3.3 Rohde & Schwarz
 - 8.3.4 Schaffner Holding AG
 - 8.3.5 TE Connectivity
 - 8.3.6 3M Company
 - 8.3.7 ETS-Lindgren
 - 8.3.8 Teseq (AMETEK CTS)
 - 8.3.9 Leader Tech Inc.
 - 8.3.10 KITAGAWA INDUSTRIES America, Inc.
 - 8.3.11 Keysight Technologies
 - 8.3.12 Fair-Rite Products Corp
 - 8.3.13 EMC Test Design, LLC
 - 8.3.14 Tech-Etch, Inc
 - 8.3.15 Henkel AG & Co. KGaA

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

List Of Tables

LIST OF TABLES

TABLE 1. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market, Report Scope

TABLE 2. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Region 2022-2032 (USD Billion)

TABLE 3. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Type 2022-2032 (USD Billion)

TABLE 4. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Application 2022-2032 (USD Billion)

TABLE 5. U.S. Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Type 2022-2032 (USD Billion)

TABLE 6. U.S. Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Application 2022-2032 (USD Billion)

TABLE 7. Canada Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Type 2022-2032 (USD Billion)

TABLE 8. Canada Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Application 2022-2032 (USD Billion)

TABLE 9. UK Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Type 2022-2032 (USD Billion)

TABLE 10. UK Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Application 2022-2032 (USD Billion)

TABLE 11. Germany Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Type 2022-2032 (USD Billion)

TABLE 12. Germany Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Application 2022-2032 (USD Billion)

TABLE 13. France Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Type 2022-2032 (USD Billion)

TABLE 14. France Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Application 2022-2032 (USD Billion)

TABLE 15. China Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Type 2022-2032 (USD Billion)

TABLE 16. China Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Application 2022-2032 (USD Billion)

TABLE 17. India Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Estimates & Forecasts by Type 2022-2032 (USD Billion)

TABLE 18. India Electromagnetic Compatibility (EMC) Shielding and Test Equipment

Market Estimates & Forecasts by Application 2022-2032 (USD Billion)

TABLE 19. Brazil Electromagnetic Compatibility (EMC) Shielding and Test Equipment

Market Estimates & Forecasts by Type 2022-2032 (USD Billion)

TABLE 20. Brazil Electromagnetic Compatibility (EMC) Shielding and Test Equipment

Market Estimates & Forecasts by Application 2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market, Research Methodology
- FIG 2. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market, Market Estimation Techniques
- FIG 3. Global Market Size Estimates & Forecast Methods.
- FIG 4. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market, Key Trends 2023
- FIG 5. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market, Growth Prospects 2022-2032
- FIG 6. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market, Porters 5 Force Model
- FIG 7. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market, PESTEL Analysis
- FIG 8. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market, Value Chain Analysis
- FIG 9. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Type, 2022 & 2032 (USD Billion)
- FIG 10. Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Application, 2022 & 2032 (USD Billion)
- FIG 11. U.S. Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Type, 2022 & 2032 (USD Billion)
- FIG 12. U.S. Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Application, 2022 & 2032 (USD Billion)
- FIG 13. Canada Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Type, 2022 & 2032 (USD Billion)
- FIG 14. Canada Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Application, 2022 & 2032 (USD Billion)
- FIG 15. UK Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Type, 2022 & 2032 (USD Billion)
- FIG 16. UK Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Application, 2022 & 2032 (USD Billion)
- FIG 17. Germany Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Type, 2022 & 2032 (USD Billion)
- FIG 18. Germany Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Application, 2022 & 2032 (USD Billion)

FIG 19. France Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Type, 2022 & 2032 (USD Billion)

FIG 20. France Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Application, 2022 & 2032 (USD Billion)

.....

This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

I would like to order

Product name: Global Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market Size study, by Type (Conductive Coatings and Paints, EMI Shielding Tapes, Metal Shielding & Test Equipment), by Application (Aerospace and Defense, Consumer Electronics, Healthcare, IT and Telecom), and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G27013611ABCEN.html>

Price: US\$ 4,950.00 (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/G27013611ABCEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970