

EMC Filtration Market by Product Type (EMC Filters (1-Phase EMC Filters, 3-Phase EMC Filters, DC Filters, IEC Inlets, Chokes), Power Quality Filters (Passive Harmonic Filters, Active Harmonic Filters, Output Filters, Reactors)) - Global Forecast to 2027

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Abstracts

The EMC filtration market is expected to grow from USD 861 million in 2022 and is projected to reach USD 1,160 million by 2027; it is expected to grow at a CAGR of 6.1% during the forecast period. Increasing regulations for environment and EMC across various industries such as industrial automation and medical will propel the growth opportunities for EMC filtration market. Growing adoption of automated machinery and industrial robots will boost the adoption of EMC and power quality filters. Highly cost sensitive market for EMC and power quality filters will restrain the market growth.

“Market for 3-Phase EMC filters to grow at higher CAGR during forecast period”

3-phase EMC filters are experiencing increasing demand in high-power applications such as test equipment and industrial machinery. These 3-phase EMC filters help reduce unwanted electromagnetic interference within the conducted area of electromagnetic susceptibility of various applications such as motor drives, machine tools, and frequency converters. The general requirements for a 3-phase EMC filter design include line voltage, input currents, insertion loss, and size limitation. The market players are involved in developing next-generation 3-phase EMC filters with optimized packaging for new designs and technology used in industrial machines. The new compact designs of 3-phase EMC filters help reduce carbon footprint significantly and allow the integration of connection terminals within the filter cubical.

“Market for machinery & equipment in industrial automation application to grow at

highest CAGR during forecast period”

The growing trend toward digitalization and integration of new technologies such as AI and IoT in manufacturing has resulted in industrial machinery and equipment susceptibility to EMI. Therefore, EMC filtration is required in these equipment and machines to ensure uninterrupted operations and intended outputs. The EMC and power quality filters are experiencing critical importance as EMI can result in interference and malfunctioning of machinery, which leads to faulty outputs. The proliferation of IIoT technology in the manufacturing sector to increase business profitability, improve production efficiency, and ensure worker safety is driving the growth of EMC filtration, as the industrial machine operates close to each other, making them vulnerable to interference. High-frequency noise is present in most modern-day automation and manufacturing tools such as automated fasteners, lead trimmers, pick and place machines, etc. EMC and power quality filters play a key role in preventing noise propagation and interruptions.

“North America to create highest growth opportunities for EMC filtration market among other region during the forecast period”

North America is expected to account for a significant size of the EMC filtration market and will register a highest CAGR during the forecast period as the region is a technology hub witnessing advancements in industrial automation and the Industry 4.0 revolution. Several standards related to emissions from electronics and susceptibility levels will increase the adoption of EMC and power quality filters in the region. Industrial equipment must comply with NEMA, ANSI, UL, SAMA, and IEEE standard tests to verify their behavior under EMI. Additionally, the process industry in the region highly relies on automation owing to the requirement of high-quality products following different compliances. According to the Association for Advancing Automation (A3), in Q2 2021, companies in North America ordered 9853 robots for USD 501 million, up from 5,196 sold in Q2 2020. This will drive growth opportunities for the EMC filtration market in North America.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews have been conducted with key industry experts in the EMC filtration marketplace. The break-up of primary participants for the report has been shown below:

By Company Type: Tier 1– 20%, Tier 2– 45%, and Tier 35%

By Designation: C-level Executives– 35%, Directors– 40%, and Others – 25%

By Region:North America–30%,APAC– 35%, Europe – 20%,Middle East– 5%,
and RoW– 10%

The report profiles key players in the EMC filtration market with their respective market ranking analysis. Prominent players profiled in this report areSchaffner Holding AG (Switzerland), Delta Electronics, Inc. (Taiwan), TDK Corporation (Japan), TE Connectivity (Switzerland), Littelfuse, Inc (US), Sinexcel (China), Schurter Holding AG (Switzerland), AstrodyneTDI (US), among others.

Research Coverage:

This research report categorizes the EMC filtration marketon the basis ofproduct type, insertion loss,application,and geography. The report describes the major drivers, restraints, challenges, and opportunities pertaining totheEMC filtration market and forecasts the same till 2027. Apart from these, the report also consists of leadership mapping and analysis of all the companies included in theEMC filtration ecosystem.

Key Benefits of Buying the Report

The report will help market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall EMC filtration market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION AND SCOPE

1.3 INCLUSIONS AND EXCLUSIONS

1.4 STUDY SCOPE

1.4.1 MARKETS COVERED

FIGURE 1 EMC FILTRATION MARKET SEGMENTATION

1.4.2 GEOGRAPHIC SCOPE

FIGURE 2 EMC FILTRATION MARKET: GEOGRAPHIC SCOPE

1.4.3 YEARS CONSIDERED

1.5 CURRENCY CONSIDERED

1.6 UNIT CONSIDERED

1.7 LIMITATIONS

1.8 STAKEHOLDERS

1.9 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 3 EMC FILTRATION MARKET: RESEARCH DESIGN

2.1.1 SECONDARY AND PRIMARY RESEARCH

FIGURE 4 EMC FILTRATION MARKET: RESEARCH APPROACH

2.1.2 SECONDARY DATA

2.1.2.1 List of key secondary sources

2.1.2.2 Key data from secondary sources

2.1.3 PRIMARY DATA

2.1.3.1 Primary interviews with experts

2.1.3.2 List of key primary interview participants

2.1.3.3 Key data from primary sources

2.1.3.4 Key industry insights

2.1.3.5 Breakdown of primaries

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach for arriving at market size using bottom-up analysis

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach for arriving at market size using top-down analysis

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY: SUPPLY-SIDE ANALYSIS

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 8 EMC FILTRATION MARKET: DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS AND LIMITATIONS

2.4.1 RESEARCH ASSUMPTIONS

2.4.2 RESEARCH LIMITATIONS

2.5 RISK ASSESSMENT

2.5.1 RISK ASSESSMENT: EMC FILTRATION MARKET

3 EXECUTIVE SUMMARY

FIGURE 9 EMC FILTERS TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 10 INDUSTRIAL AUTOMATION TO GROW AT FASTEST RATE FROM 2022 TO 2027

FIGURE 11 ASIA PACIFIC ACCOUNTED FOR LARGEST MARKET SHARE IN 2021

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE GROWTH OPPORTUNITIES FOR MARKET PLAYERS

FIGURE 12 INCREASING DEMAND FOR EMC FILTRATION IN INDUSTRIAL AUTOMATION

4.2 EMC FILTRATION MARKET, BY PRODUCT TYPE

FIGURE 13 EMC FILTERS TO ACCOUNT FOR LARGEST MARKET SIZE FROM 2022 TO 2027

4.3 EMC FILTRATION MARKET, BY APPLICATION

FIGURE 14 INDUSTRIAL AUTOMATION TO HOLD LARGEST MARKET SHARE IN 2022

4.4 EMC FILTRATION MARKET, BY REGION

FIGURE 15 MARKET IN INDIA TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 HISTORY AND EVOLUTION OF EMC FILTRATION MARKET

FIGURE 16 EVOLUTION OF EMC TECHNOLOGY

5.3 MARKET DYNAMICS

FIGURE 17 EMC FILTRATION MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.3.1 DRIVERS

FIGURE 18 DRIVERS FOR EMC FILTRATION MARKET AND THEIR IMPACT

5.3.1.1 Strict environmental and EMC regulations across various industries

5.3.1.2 Rising trend toward industrial automation worldwide

FIGURE 19 ANNUAL INSTALLATION OF INDUSTRIAL ROBOTS, 2020

5.3.1.3 Proliferation of data centers in developing countries

FIGURE 20 GLOBAL TRENDS IN DATA CENTER WORKLOADS, 2015–2020

5.3.2 RESTRAINTS

FIGURE 21 RESTRAINTS FOR EMC FILTRATION MARKET AND THEIR IMPACT

5.3.2.1 Highly cost-sensitive market

5.3.3 OPPORTUNITIES

FIGURE 22 OPPORTUNITIES FOR EMC FILTRATION MARKET AND THEIR IMPACT

5.3.3.1 Increasing adoption of electric vehicles

5.3.3.2 Rising government initiatives in support of renewable energy

5.3.4 CHALLENGES

FIGURE 23 CHALLENGES FOR EMC FILTRATION MARKET AND THEIR IMPACT

5.3.4.1 High complexities related to EMC filters

5.4 GEOPOLITICAL IMPACT ON EMC FILTRATION MARKET

5.4.1 UKRAINE CRISIS

5.4.2 FLUCTUATIONS IN SEMICONDUCTOR INDUSTRY

5.4.3 ECONOMIC FACTORS DEPRECIATING US CURRENCY

5.4.4 BELT AND ROAD PROJECT INITIATIVE IN CHINA AND INTERRUPTION BY GEOPOLITICAL COMPETITORS

5.4.5 SHIFT OF SAUDI ARABIA TO CONSIDER OTHER CURRENCIES THAN US FOR OIL

5.5 SUPPLY/VALUE CHAIN ANALYSIS

FIGURE 24 EMC FILTRATION MARKET: VALUE CHAIN ANALYSIS, 2021

5.6 EMC FILTRATION MARKET: ECOSYSTEM/MARKET MAP

FIGURE 25 EMC FILTRATION MARKET: ECOSYSTEM

TABLE 1 EMC FILTRATION MARKET: ECOSYSTEM

5.7 PRICING ANALYSIS

5.7.1 AVERAGE SELLING PRICE ANALYSIS OF KEY PLAYERS

TABLE 2 AVERAGE SELLING PRICE OF COMPANIES OFFERING 3-PHASE EMC FILTERS

TABLE 3 AVERAGE SELLING PRICE OF DC FILTER PRODUCTS

5.7.2 AVERAGE SELLING PRICE TRENDS

FIGURE 26 AVERAGE SELLING PRICE OF EMC FILTER PRODUCTS

TABLE 4 AVERAGE SELLING PRICE ANALYSIS OF KEY PLAYERS

5.8 TRENDS AND DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES

FIGURE 27 REVENUE SHIFT FOR EMC FILTRATION

5.9 TECHNOLOGY ANALYSIS

5.9.1 INNOVATIVE EMC FILTER SOLUTION FOR E-VEHICLES

5.9.2 TIME-SAVING AND COST-EFFECTIVE INNOVATION FOR EMI REDUCTION
IN POWER SUPPLIES

5.9.3 IOT

5.10 PORTER'S FIVE FORCES ANALYSIS

TABLE 5 EMC FILTRATION MARKET: PORTER'S FIVE FORCES ANALYSIS

5.10.1 INTENSITY OF COMPETITIVE RIVALRY

5.10.2 BARGAINING POWER OF SUPPLIERS

5.10.3 BARGAINING POWER OF BUYERS

5.10.4 THREAT OF NEW ENTRANTS

5.10.5 THREAT OF SUBSTITUTES

5.11 KEY STAKEHOLDERS AND BUYING CRITERIA

5.11.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 28 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 3
INDUSTRIES

TABLE 6 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP
INDUSTRIES (%)

5.11.2 BUYING CRITERIA

FIGURE 29 KEY BUYING CRITERIA FOR TOP 3 INDUSTRIES

TABLE 7 KEY BUYING CRITERIA FOR TOP 3 INDUSTRIES

5.12 CASE STUDIES

TABLE 8 EMC FILTER SOLUTION FOR BLACK BOX FLIGHT DATA RECORDER

TABLE 9 INTEGRATION OF ELECTRONIC BALLASTS AND EMI FILTERS

TABLE 10 PORTABLE MOTORIZED VIBRATION TOOL

TABLE 11 EMI FILTERS PROTECT ELECTRIC VEHICLE POWER DISTRIBUTION

TABLE 12 EMI FILTERS CONNECTOR SOLUTION FOR UAV ROBOTIC CONTROLS

5.13 TRADE ANALYSIS

FIGURE 30 IMPORT, BY KEY COUNTRY, 2017-2021 (USD MILLION)

FIGURE 31 EXPORT, BY KEY COUNTRY, 2017-2021 (USD MILLION)

5.14 PATENTS ANALYSIS

FIGURE 32 TOP 10 COMPANIES WITH HIGHEST NUMBER OF PATENT
APPLICATIONS IN LAST 10 YEARS

FIGURE 33 NUMBER OF PATENTS GRANTED PER YEAR FROM 2012 TO 2021

TABLE 13 TOP 20 PATENT OWNERS IN LAST 10 YEARS

TABLE 14 LIST OF MAJOR PATENTS**5.15 KEY CONFERENCES AND EVENTS, 2022–2023****5.16 REGULATORY LANDSCAPE****TABLE 15 GLOBAL EMC STANDARDS FOR ELECTRICAL/ELECTRONIC SYSTEMS****5.16.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS****TABLE 16 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS****TABLE 17 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS****TABLE 18 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS****5.16.2 STANDARDS AND REGULATIONS RELATED TO MARKET****5.16.2.1 North America****5.16.2.1.1 US****5.16.2.1.2 Canada****5.16.2.2 Europe****5.16.2.3 Asia Pacific****5.16.2.3.1 Japan****5.16.2.3.2 Australia****5.16.2.3.3 India****6 EMC FILTRATION MARKET, BY INSERTION LOSS****6.1 INTRODUCTION****6.2 COMMON-MODE (ASYMMETRICAL)****6.3 DIFFERENTIAL-MODE (SYMMETRICAL)****7 EMC FILTRATION MARKET, BY PRODUCT TYPE****7.1 INTRODUCTION****FIGURE 34 EMC FILTERS TO HOLD LARGER MARKET SHARE DURING FORECAST PERIOD****TABLE 19 EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)****TABLE 20 EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)****7.2 EMC FILTERS****7.2.1 STRINGENT NOISE REGULATIONS TO INCREASE DEMAND FOR EMC**

FILTERS

TABLE 21 EMC FILTERS: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 22 EMC FILTERS: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

7.2.2 1-PHASE EMC FILTERS

7.2.2.1 Increasingly used in industrial automation

7.2.3 3-PHASE EMC FILTERS

7.2.3.1 Improved filter designs to accelerate growth opportunities

7.2.4 DC FILTERS

7.2.4.1 Increased demand for solar and EV charging

7.2.5 IEC INLETS

7.2.5.1 Development in miniaturization of IEC inlets

7.2.6 CHOKES

7.2.6.1 Development for high-power applications

7.3 POWER QUALITY FILTERS

7.3.1 USE OF PASSIVE HARMONIC FILTERS TO REDUCE ENERGY COSTS

TABLE 23 POWER QUALITY FILTERS: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 24 POWER QUALITY FILTERS: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

7.3.2 PASSIVE HARMONIC FILTERS

7.3.2.1 Development for drive applications

7.3.3 ACTIVE HARMONIC FILTERS

7.3.3.1 Increased demand for PV applications

7.3.4 OUTPUT FILTERS

7.3.4.1 Growing demand for motor applications

7.3.5 REACTORS

7.3.5.1 Higher requirement for variable frequency drives

8 EMC FILTRATION MARKET, BY APPLICATION

8.1 INTRODUCTION

FIGURE 35 INDUSTRIAL AUTOMATION TO HOLD LARGEST MARKET SHARE DURING FORECAST PERIOD

TABLE 25 EMC FILTRATION MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 26 EMC FILTRATION MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

8.2 INDUSTRIAL AUTOMATION

8.2.1 INCREASING USE OF FACTORY AUTOMATION EQUIPMENT

TABLE 27 INDUSTRIAL AUTOMATION: EMC FILTRATION MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 28 INDUSTRIAL AUTOMATION: EMC FILTRATION MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 29 INDUSTRIAL AUTOMATION: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 30 INDUSTRIAL AUTOMATION: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

TABLE 31 INDUSTRIAL AUTOMATION: EMC FILTRATION MARKET, BY EMC FILTERS, 2018–2021 (USD MILLION)

TABLE 32 INDUSTRIAL AUTOMATION: EMC FILTRATION MARKET, BY EMC FILTERS, 2022–2027 (USD MILLION)

TABLE 33 INDUSTRIAL AUTOMATION: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2018–2021 (USD MILLION)

TABLE 34 INDUSTRIAL AUTOMATION: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2022–2027 (USD MILLION)

8.2.2 MOTOR DRIVES

8.2.2.1 EMC filters deliver safe operations in motor drives

8.2.3 MACHINERY & EQUIPMENT

8.2.3.1 Digitalization increased machinery and equipment susceptibility to EMI

8.2.4 ROBOTICS

8.2.4.1 Robots to increase productivity and decrease labor costs

8.3 BUILDING TECHNOLOGIES

8.3.1 GROWING DEPLOYMENT OF BUILDING AUTOMATION SYSTEMS

TABLE 35 BUILDING TECHNOLOGIES: EMC FILTRATION MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 36 BUILDING TECHNOLOGIES: EMC FILTRATION MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 37 BUILDING TECHNOLOGIES: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 38 BUILDING TECHNOLOGIES: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

TABLE 39 BUILDING TECHNOLOGIES: EMC FILTRATION MARKET, BY EMC FILTERS, 2018–2021 (USD MILLION)

TABLE 40 BUILDING TECHNOLOGIES: EMC FILTRATION MARKET, BY EMC FILTERS, 2022–2027 (USD MILLION)

TABLE 41 BUILDING TECHNOLOGIES: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2018–2021 (USD MILLION)

TABLE 42 BUILDING TECHNOLOGIES: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2022–2027 (USD MILLION)

8.3.2 HVAC

8.3.2.1 Government initiatives encourage EMC filtration

8.3.3 ELEVATORS

8.3.3.1 EMC filters decrease harmonic distortion in elevators

8.3.4 LIGHTING

8.3.4.1 Development of new EMC filters for lighting applications

8.4 ENERGY & UTILITIES

8.4.1 INCREASING TREND TOWARD RENEWABLE AND CLEAN ENERGY

TABLE 43 ENERGY & UTILITIES: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 44 ENERGY & UTILITIES: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

TABLE 45 ENERGY & UTILITIES: EMC FILTRATION MARKET, BY EMC FILTERS, 2018–2021 (USD MILLION)

TABLE 46 ENERGY & UTILITIES: EMC FILTRATION MARKET, BY EMC FILTERS, 2022–2027 (USD MILLION)

TABLE 47 ENERGY & UTILITIES: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2018–2021 (USD MILLION)

TABLE 48 ENERGY & UTILITIES: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2022–2027 (USD MILLION)

8.5 EV CHARGING

8.5.1 PROLIFERATION OF ELECTRIC VEHICLES TO DRIVE MARKET

TABLE 49 EV CHARGING: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 50 EV CHARGING: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

TABLE 51 EV CHARGING: EMC FILTRATION MARKET, BY EMC FILTERS, 2018–2021 (USD MILLION)

TABLE 52 EV CHARGING: EMC FILTRATION MARKET, BY EMC FILTERS, 2022–2027 (USD MILLION)

TABLE 53 EV CHARGING: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2018–2021 (USD MILLION)

TABLE 54 EV CHARGING: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2022–2027 (USD MILLION)

8.6 MEDICAL

8.6.1 INTRODUCTION OF NEW REGULATIONS FOR EMI IN MEDICAL DEVICES
TABLE 55 MEDICAL: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021
(USD MILLION)

TABLE 56 MEDICAL: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027
(USD MILLION)

TABLE 57 MEDICAL: EMC FILTRATION MARKET, BY EMC FILTERS, 2018–2021
(USD MILLION)

TABLE 58 MEDICAL: EMC FILTRATION MARKET, BY EMC FILTERS, 2022–2027
(USD MILLION)

TABLE 59 MEDICAL: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS,
2018–2021 (USD MILLION)

TABLE 60 MEDICAL: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS,
2022–2027 (USD MILLION)

8.6.2 MEDICAL EQUIPMENT

8.6.2.1 Stringent regulations for EMC in medical devices

8.6.3 LABORATORY AND ANALYZER EQUIPMENT

8.6.3.1 Regulations pertaining to leakage current in laboratory devices

8.7 DATA CENTERS

8.7.1 PROLIFERATION OF NEW TECHNOLOGIES AND DATA GENERATION TO
PROPEL MARKET

TABLE 61 DATA CENTERS: EMC FILTRATION MARKET, BY PRODUCT TYPE,
2018–2021 (USD MILLION)

TABLE 62 DATA CENTERS: EMC FILTRATION MARKET, BY PRODUCT TYPE,
2022–2027 (USD MILLION)

TABLE 63 DATA CENTERS: EMC FILTRATION MARKET, BY EMC FILTERS,
2018–2021 (USD MILLION)

TABLE 64 DATA CENTERS: EMC FILTRATION MARKET, BY EMC FILTERS,
2022–2027 (USD MILLION)

TABLE 65 DATA CENTERS: EMC FILTRATION MARKET, BY POWER QUALITY
FILTERS, 2018–2021 (USD MILLION)

TABLE 66 DATA CENTERS: EMC FILTRATION MARKET, BY POWER QUALITY
FILTERS, 2022–2027 (USD MILLION)

8.8 SMPS/POWER SUPPLIES

8.8.1 LARGE SWITCHING CURRENTS IN SMPS TO INCREASE EMC FILTRATION
REQUIREMENT

TABLE 67 SMPS/POWER SUPPLIES: EMC FILTRATION MARKET, BY PRODUCT
TYPE, 2018–2021 (USD MILLION)

TABLE 68 SMPS/POWER SUPPLIES: EMC FILTRATION MARKET, BY PRODUCT
TYPE, 2022–2027 (USD MILLION)

TABLE 69 SMPS/POWER SUPPLIES: EMC FILTRATION MARKET, BY EMC FILTERS, 2018–2021 (USD MILLION)

TABLE 70 SMPS/POWER SUPPLIES: EMC FILTRATION MARKET, BY EMC FILTERS, 2022–2027 (USD MILLION)

TABLE 71 SMPS/POWER SUPPLIES: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2018–2021 (USD MILLION)

TABLE 72 SMPS/POWER SUPPLIES: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2022–2027 (USD MILLION)

8.9 SMART INFRASTRUCTURE

8.9.1 INCREASING GOVERNMENT INITIATIVES TO INSTALL SMART METERS

TABLE 73 SMART INFRASTRUCTURE: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 74 SMART INFRASTRUCTURE: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

TABLE 75 SMART INFRASTRUCTURE: EMC FILTRATION MARKET, BY EMC FILTERS, 2018–2021 (USD MILLION)

TABLE 76 SMART INFRASTRUCTURE: EMC FILTRATION MARKET, BY EMC FILTERS, 2022–2027 (USD MILLION)

TABLE 77 SMART INFRASTRUCTURE: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2018–2021 (USD MILLION)

TABLE 78 SMART INFRASTRUCTURE: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2022–2027 (USD MILLION)

8.10 ENERGY STORAGE

8.10.1 EMC FILTERS OVERCOME FAULTS IN INTERCONNECTION SYSTEMS

TABLE 79 ENERGY STORAGE: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 80 ENERGY STORAGE: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

TABLE 81 ENERGY STORAGE: EMC FILTRATION MARKET, BY EMC FILTERS, 2018–2021 (USD MILLION)

TABLE 82 ENERGY STORAGE: EMC FILTRATION MARKET, BY EMC FILTERS, 2022–2027 (USD MILLION)

TABLE 83 ENERGY STORAGE: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2018–2021 (USD MILLION)

TABLE 84 ENERGY STORAGE: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2022–2027 (USD MILLION)

8.11 UPS

8.11.1 EMI GENERATED FROM INVERTERS IN UPS TO DRIVE EMC FILTER DEMAND

TABLE 85 UPS: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 86 UPS: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

TABLE 87 UPS: EMC FILTRATION MARKET, BY EMC FILTERS, 2018–2021 (USD MILLION)

TABLE 88 UPS: EMC FILTRATION MARKET, BY EMC FILTERS, 2022–2027 (USD MILLION)

TABLE 89 UPS: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2018–2021 (USD MILLION)

TABLE 90 UPS: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2022–2027 (USD MILLION)

8.12 OIL & GAS

8.12.1 GROWING OIL & GAS INDUSTRY IN DEVELOPING COUNTRIES TO DRIVE DEMAND FOR EMC FILTRATION

TABLE 91 OIL & GAS: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2018–2021 (USD MILLION)

TABLE 92 OIL & GAS: EMC FILTRATION MARKET, BY PRODUCT TYPE, 2022–2027 (USD MILLION)

TABLE 93 OIL & GAS: EMC FILTRATION MARKET, BY EMC FILTERS, 2018–2021 (USD MILLION)

TABLE 94 OIL & GAS: EMC FILTRATION MARKET, BY EMC FILTERS, 2022–2027 (USD MILLION)

TABLE 95 OIL & GAS: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2018–2021 (USD MILLION)

TABLE 96 OIL & GAS: EMC FILTRATION MARKET, BY POWER QUALITY FILTERS, 2022–2027 (USD MILLION)

9 EMC FILTRATION MARKET, BY REGION

9.1 INTRODUCTION

FIGURE 36 INDIA TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 37 EMC FILTRATION MARKET, BY REGION

TABLE 97 EMC FILTRATION MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 98 EMC FILTRATION MARKET, BY REGION, 2022–2027 (USD MILLION)

9.2 NORTH AMERICA

FIGURE 38 US LED EMC FILTRATION MARKET IN NORTH AMERICA IN 2021

FIGURE 39 NORTH AMERICA: EMC FILTRATION MARKET SNAPSHOT (2021)

9.2.1 US

9.2.1.1 Proliferation of industrial automation to drive market

9.2.2 CANADA

9.2.2.1 Increasing establishment of data centers

9.2.3 MEXICO

9.2.3.1 Higher adoption of photovoltaic inverters and solar applications

FIGURE 40 US TO DOMINATE EMC FILTRATION MARKET IN NORTH AMERICA IN 2027

TABLE 99 NORTH AMERICA: EMC FILTRATION MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 100 NORTH AMERICA: EMC FILTRATION MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

9.3 EUROPE

FIGURE 41 EUROPE: EMC FILTRATION MARKET SNAPSHOT (2021)

9.3.1 GERMANY

9.3.1.1 Increasing government funding toward industrial automation

9.3.2 FRANCE

9.3.2.1 Growing adoption of EVs

9.3.3 FINLAND

9.3.3.1 Government initiatives to support manufacturing sector

9.3.4 ITALY

9.3.4.1 Rising funding activities to enhance medical sector

9.3.5 UK

9.3.5.1 To reduce energy loss and decrease dependency on fossil fuels

9.3.6 REST OF EUROPE

FIGURE 42 UK TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 101 EUROPE: EMC FILTRATION MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 102 EUROPE: EMC FILTRATION MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

9.4 ASIA PACIFIC

FIGURE 43 ASIA PACIFIC: EMC FILTRATION MARKET SNAPSHOT (2021)

9.4.1 CHINA

9.4.1.1 Government subsidies to drive EV charging station demand

9.4.2 JAPAN

9.4.2.1 Increasing trend toward green energy

9.4.3 INDIA

9.4.3.1 Initiatives to promote renewable energy

9.4.4 SOUTH KOREA

9.4.4.1 Increasing adoption of industrial robots

9.4.5 TAIWAN

9.4.5.1 Advancement in regional manufacturing sector

9.4.6 REST OF ASIA PACIFIC

FIGURE 44 INDIA TO ACCOUNT FOR FASTEST GROWING MARKET FROM 2022 TO 2027

TABLE 103 ASIA PACIFIC: EMC FILTRATION MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 104 ASIA PACIFIC: EMC FILTRATION MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

9.5 MIDDLE EAST

FIGURE 45 MIDDLE EAST: EMC FILTRATION MARKET SNAPSHOT (2021)

9.5.1 SAUDI ARABIA

9.5.1.1 Growing trend toward solar power generation

9.5.2 UAE

9.5.2.1 Inclination toward clean energy and EVs

9.5.3 REST OF MIDDLE EAST

FIGURE 46 SAUDI ARABIA TO ACCOUNT FOR LARGEST MARKET SHARE IN 2027

TABLE 105 MIDDLE EAST: EMC FILTRATION MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 106 MIDDLE EAST: EMC FILTRATION MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

9.6 REST OF THE WORLD (ROW)

FIGURE 47 ROW: EMC FILTRATION MARKET SNAPSHOT (2021)

9.6.1 AFRICA

9.6.1.1 Growth potential for factory automation

9.6.2 SOUTH AMERICA

9.6.2.1 Increasing foreign direct investment in commercial sector

9.6.2.2 Brazil

9.6.2.2.1 Growing adoption of solar power generation

9.6.2.3 Rest of South America

FIGURE 48 SOUTH AMERICA TO DOMINATE MARKET IN 2027

TABLE 107 ROW: EMC FILTRATION MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 108 ROW: EMC FILTRATION MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 109 SOUTH AMERICA: EMC FILTRATION MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 110 SOUTH AMERICA: EMC FILTRATION MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

10 COMPETITIVE LANDSCAPE

10.1 EMC FILTRATION OVERVIEW

10.2 MARKET EVALUATION FRAMEWORK

TABLE 111 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS

10.2.1 PRODUCT PORTFOLIO

10.2.2 REGIONAL FOCUS

10.2.3 ORGANIC/INORGANIC STRATEGIES

10.3 FIVE-YEAR COMPANY REVENUE ANALYSIS

FIGURE 49 FIVE-YEAR REVENUE ANALYSIS OF TOP 5 PLAYERS IN EMC FILTRATION MARKET, 2017–2021

10.4 MARKET SHARE ANALYSIS, 2021

TABLE 112 MARKET SHARE ANALYSIS OF TOP 5 COMPANIES (2021)

10.5 KEY COMPANY EVALUATION QUADRANT, 2021

10.5.1 STARS

10.5.2 EMERGING LEADERS

10.5.3 PERVASIVE PLAYERS

10.5.4 PARTICIPANTS

FIGURE 50 EMC FILTRATION MARKET: COMPANY EVALUATION QUADRANT, 2021

10.6 START-UP/SME EVALUATION QUADRANT, 2021

10.6.1 PROGRESSIVE COMPANIES

10.6.2 RESPONSIVE COMPANIES

10.6.3 DYNAMIC COMPANIES

10.6.4 STARTING BLOCKS

FIGURE 51 EMC FILTRATION MARKET, START-UP/SME EVALUATION QUADRANT, 2021

10.7 EMC FILTRATION MARKET: COMPANY FOOTPRINT (15 COMPANIES)

TABLE 113 COMPANY FOOTPRINT

TABLE 114 COMPANY PRODUCT TYPE FOOTPRINT (15 COMPANIES)

TABLE 115 COMPANY APPLICATION FOOTPRINT (15 COMPANIES)

TABLE 116 COMPANY REGION FOOTPRINT (15 COMPANIES)

10.8 COMPETITIVE BENCHMARKING

TABLE 117 EMC FILTRATION MARKET: DETAILED LIST OF KEY START-UPS/SMES

FIGURE 52 EMC FILTRATION MARKET: COMPETITIVE BENCHMARKING OF KEY START-UPS/SMES

10.9 COMPETITIVE SCENARIOS AND TRENDS

10.9.1 PRODUCT LAUNCHES

TABLE 118 PRODUCT LAUNCHES, JUNE 2021–MAY 2022

10.9.2 DEALS

TABLE 119 DEALS, AUGUST 2020–DECEMBER 2021

10.9.3 OTHERS

TABLE 120 OTHERS, APRIL 2019–FEBRUARY 2022

11 COMPANY PROFILES

(Business overview, Products/Services/Solutions offered, Recent Developments, MNM view)*

11.1 KEY PLAYERS

11.1.1 SCHAFFNER HOLDINGS AG

TABLE 121 SCHAFFNER HOLDINGS AG.: BUSINESS OVERVIEW

FIGURE 53 SCHAFFNER HOLDINGS AG: COMPANY SNAPSHOT

11.1.2 DELTA ELECTRONICS INC.

TABLE 122 DELTA ELECTRONICS INC.: BUSINESS OVERVIEW

FIGURE 54 DELTA ELECTRONICS INC.: COMPANY SNAPSHOT

11.1.3 TE CONNECTIVITY

TABLE 123 TE CONNECTIVITY: BUSINESS OVERVIEW

FIGURE 55 TE CONNECTIVITY: COMPANY SNAPSHOT

11.1.4 TDK CORPORATION

TABLE 124 TDK CORPORATION: BUSINESS OVERVIEW

FIGURE 56 TDK CORPORATION: COMPANY SNAPSHOT

11.1.5 LITTELFUSE, INC

TABLE 125 LITTELFUSE, INC: BUSINESS OVERVIEW

FIGURE 57 LITTELFUSE, INC.: COMPANY SNAPSHOT

11.1.6 SINEXCEL

TABLE 126 SINEXCEL: BUSINESS OVERVIEW

FIGURE 58 SINEXCEL: COMPANY SNAPSHOT

11.1.7 SCHURTER HOLDING AG

TABLE 127 SCHURTER HOLDING AG: BUSINESS OVERVIEW

11.1.8 ASTRODYNEDI

TABLE 128 ASTRODYNEDI: BUSINESS OVERVIEW

11.1.9 SOSHIN ELECTRIC CO., LTD.

TABLE 129 SOSHIN ELECTRIC CO., LTD.: BUSINESS OVERVIEW

FIGURE 59 SOSHIN ELECTRIC CO., LTD.: COMPANY SNAPSHOT

11.1.10 MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO. LTD.

TABLE 130 MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO. LTD.:

BUSINESS OVERVIEW**11.2 OTHER PLAYERS**

TABLE 131 SHANGHAI EAGTOP ELECTRONIC TECHNOLOGY CO., LTD.:

BUSINESS OVERVIEW**11.2.2 BLOCK TRANSFORMATOREN-ELEKTRONIK GMBH**

TABLE 132 BLOCK TRANSFORMATOREN-ELEKTRONIK GMBH: BUSINESS OVERVIEW

11.2.3 ETS-LINDGREN

TABLE 133 ETS-LINDGREN: BUSINESS OVERVIEW

11.2.4 MTE CORPORATION

TABLE 134 MTE CORPORATION: BUSINESS OVERVIEW

11.2.5 ELTROPLAN-REVCON ELEKTROTECHNISCHE ANLAGEN GMBH

TABLE 135 ELTROPLAN-REVCON ELEKTROTECHNISCHE ANLAGEN GMBH: BUSINESS OVERVIEW

11.2.6 DEM MANUFACTURING

TABLE 136 DEM MANUFACTURING: BUSINESS OVERVIEW

11.2.7 REO AG

TABLE 137 REO AG: BUSINESS OVERVIEW

11.2.8 BLA ETECH PVT. LTD.

TABLE 138 BLA ETECH PVT. LTD.: BUSINESS OVERVIEW

11.2.9 EMITECH MICRO COMPONENTS

TABLE 139 EMITECH MICRO COMPONENTS: BUSINESS OVERVIEW

11.2.10 CAPTOR CORPORATION

TABLE 140 CAPTOR CORPORATION: BUSINESS OVERVIEW

11.2.11 ENERDOOR

TABLE 141 ENERDOOR: BUSINESS OVERVIEW

11.2.12 EMI SOLUTIONS

TABLE 142 EMI SOLUTIONS: BUSINESS OVERVIEW

11.2.13 HIGH & LOW CORPORATION

TABLE 143 HIGH & LOW CORPORATION: BUSINESS OVERVIEW

11.2.14 MURRELEKTRONIK GMBH

TABLE 144 MURRELEKTRONIK GMBH: BUSINESS OVERVIEW

11.2.15 ELECTROCUBE

TABLE 145 ELECTROCUBE: BUSINESS OVERVIEW

*Details on Business overview, Products/Services/Solutions offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

12 ADJACENT & RELATED MARKET

12.1 INTRODUCTION

12.2 ADJACENT MARKET: LIMITATIONS

12.3 EMI SHIELDING MARKET

12.4 EMI SHIELDING MARKET, BY METHOD

12.4.1 INTRODUCTION

FIGURE 60 EMC SHIELDING MARKET, BY METHOD

FIGURE 61 RADIATION SEGMENT, BY METHOD, ESTIMATED TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 146 EMC SHIELDING MARKET, BY METHOD, 2017–2020 (USD MILLION)

TABLE 147 EMC SHIELDING MARKET, BY METHOD, 2021–2026 (USD MILLION)

12.5 RADIATION

12.5.1 CONSIDERABLE AMOUNT OF EMI SCATTERED THROUGH RADIATION

12.6 CONDUCTION

12.6.1 SWITCH-MODE POWER SUPPLIES ARE MOST RECURRENT SOURCE OF CONDUCTED EMI

13 APPENDIX

13.1 INSIGHTS OF INDUSTRY EXPERTS

13.2 DISCUSSION GUIDE

13.3 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.4 CUSTOMIZATION OPTIONS

13.5 RELATED REPORTS

13.6 AUTHOR DETAILS

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