Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Type, Application, and Geography - Forecast to 2020

Description: "Electromagnetic Compatibility (EMC) Shielding and Test Equipment Market by Type (EMI Shielding Tapes, Conductive Coatings and Paints, Metal Shielding & Test Equipment), Application, and Geography (North America, Europe, Asia-Pacific, and RoW)- Forecast to 2020"

Electromagnetic compatibility (EMC) is defined as the assurance of an electronics device to perform according to the rated specification in its electromagnetic environment. It also ensures that the said device has the electromagnetic radiation as low as possible. Increasing operating frequency and usage of a nonlinear device has significant influence on the global electromagnetic compatibility shielding and test equipment market.

The electromagnetic emission limits for different electronic and electrical products is regulated by the regulatory authorities such as Federal Communication Commission (FCC) in the U.S. and China Certification and Accreditation Administration (CNCA) in China. Various test equipment are employed to perform EMC testing, and the EMC testing services are provided by third-party laboratories and government labs. Intertek, Bureau Vistas, and TUV Rheinland are some key third-party EMC testing providers.

The market for EMC shielding was valued at USD 3.51 Billion in 2014 and is expected to grow at a CAGR of 6.09% during the forecast period. The market is expected to be driven by firm EMC regulation across the world and the increasing usage of electronics system and device in the automotive sector. Automotive, consumer electronics, and telecom & IT are the fast-growing segments of the electromagnetic compatibility shielding market.

The Asia-Pacific market accounted for the largest market share, followed by North America in 2014. The growth of the Asian-Pacific market is attributed due to the growth of auto-electronics and rollouts of advanced telecom infrastructure such 4G-LTE. The electromagnetic compatibility test equipment market was worth USD 1.38 billion and is expected to register a CAGR of 7.07% during the forecast period. Third-party laboratories, in-house laboratories, and the government labs are the key users of the electromagnetic compatibility test equipment.

This report covers the market by type, application, and geography. It also provides a detailed analysis of the current market situation and the market till 2020. The report also analyzes the supply-side and demand-side factors, market dynamics, and the value chain of the electromagnetic compatibility shielding and test equipment market by considering the key stakeholders from vendors to end users. This report profiles the major players which are in the electromagnetic compatibility shielding and test equipment market. It also comprises the competitive landscape of major players, including the key growth strategies and market rank analysis of the same.

Some of the key players profiled in the report are Laird Plc. (U.K.), Chomerics (U.S.), Tech-Etch, Inc. (U.S.), Leader Tech, Inc. (U.S.) and Kitagawa Industries Co., Ltd. (Japan), Rohde & Schwarz GMBH & CO. KG (Germany), Keysight Technologies, Inc. (U.S.), AR Inc. (U.S.), Teseq AG (Switzerland), and EM Test (Switzerland).

Target Audience:

The intended audience for this report includes:

- Electromagnetic compatibility (EMC) shielding system suppliers
- Electromagnetic compatibility shielding test equipment suppliers
- Electromagnetic compatibility shielding component suppliers
- Electromagnetic compatibility testing service providers
- Electromagnetic compatibility regulatory bodies
- Semiconductor components manufacturers
- Advanced chemical material suppliers
- Banks, financial institutions, investors, and venture capitalists
- Governments and financial institutions
- Analysts and strategic business planners

Scope of the Report:

This research report categorizes the electromagnetic compatibility shielding and test equipment market based on types, applications, and geographies; it also covers the market size forecast of the market.

On the Basis of Types:

The electromagnetic compatibility shielding and test equipment market has been segmented on the basis of types into electromagnetic compatibility shielding and electromagnetic compatibility test equipment. Furthermore, electromagnetic compatibility shielding type has been segmented into EMI shielding tapes, Conductive coatings and paints, metal shielding, and others. Electromagnetic compatibility test equipment type has been segmented into EMI test receivers, signal generators, amplifiers, spectrum analyzers, ESD generators, and other equipment and accessories.

On the Basis of Applications:

The electromagnetic compatibility shielding market has been further split based on application into six subsegments such as consumer electronics, telecom & IT, automotive, healthcare, aerospace & defense, and others. Electromagnetic compatibility test equipment market has been segmented into third-party laboratories, in-house laboratories, and government labs.

On the Basis of Geography:

The market has been split into four regions based on geography: North America, Europe, Asia-Pacific, and RoW. The EMC shielding and test equipment market in North America includes the U.S., Canada, and Mexico, while Europe is divided into the U.K., Germany, France, and rest of Europe. The Asia-Pacific market includes China, Japan, and rest of Asia-Pacific, while RoW has been divided into the Middle East & Africa and South America.

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