

Global Magnetron Market - Forecasts from 2018 to 2023

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Abstracts

The global magnetron market is projected to grow at a CAGR of 4.97% over the forecast period of 2017 - 2023. A magnetron can be defined as a high power microwave oscillator that makes use of the interaction magnetic field and electric field to produce high-power output in the form of oscillations. The market is witnessing an impressive growth and this growth is attributed to rapid growth of industries like military and defense and consumer electronics across the globe. Microwave ovens are one of the most common applications of magnetrons. Strengthening economies in the world are increasing the disposable income of people. Rising disposable incomes are increasing the adoption of solutions like microwave ovens for use in both homes and industries, thus driving the market growth. Increasing spending by governments worldwide into strengthening their military and defense sector is another major factor contributing to the market growth. The United States, in 2016, spent US\$ 584 billion into its defense which was nearly 3.2% of the country's GDP and 14.97% of the country's total expenditure that year. For the same year, China's defense budget was 982.14 billion Chinese Yuan and that of Russia was 3.8 trillion Russian Rubles. A good portion of the governments' budget is apportioned for armaments, most of which use RADARs for applications like air defense, missile control, ground surveillance, military air traffic control, ship navigation, and search and rescue among various others. This is driving the growth of magnetron market as magnetrons are an integral part of most of the RADARs. Continuous investments by major market players into research and development are aimed at increasing the performance, life and reliability of magnetrons and pushing their applications across various industry verticals. These investments by the market players are expected to keep fueling the growth of this market over the projected period. Geographically, the market has been segmented into North America, South America, Europe, Middle East and Africa and Asia Pacific. These regions have been further segmented into countries to give a better view of the market in each of these regions.

North America and Europe hold a significantly large share in the global market on account of flourishing consumer electronics industry and presence of many key players in these regions. Increasing spending by many governments in these regions into strengthening their defense is fueling the growth of this market. The magnetron market in Asia Pacific is anticipated to witness a rapid growth over the forecast period. This growth will majorly be attributed to continuously strengthening economies which are pushing the growth of consumer electronics industry by increasing the spending capacity of the people. Increasing investments by many end-user companies into expansion of their business into this region is another major factor shaping the market growth. Easy availability of raw materials and cheap labour has been adding to the lucrativeness of this region. As more players continue to enter this market in order to leverage the favourable business atmosphere and tap the hidden growth potential of this region, the Asia Pacific magnetron market can be expected to witness an impressive growth over the forecast period.

Major industry players profiled as part of the report are Communications & Power Industries LLC, L3 Technologies, Inc., LG, Samsung, Panasonic, Toshiba Hokuto Electronics Corporation, and Hitachi High Technologies America, Inc. among others.

Segmentation

The global magnetron market is segmented by type, working state, application and geography.

By Type

Negative Resistance Type

Cyclotron Frequency Type

Travelling Wave or Cavity Type

By Working State

Pulse Magnetron

Continuous Wave Magnetron

By Application

Microwave Oven

RADAR

Lighting

Others

By Geography

North America

US

Canada

Others
South America
Brazil
Argentina
Others
Europe
United Kingdom
Germany
France
Italy
Others
Middle East and Africa
Saudi Arabia
UAE
Israel
Others
Asia Pacific
Japan
China
India
Australia
Others

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