World Permanent Magnet Synchronous Motor (PMSM) Market - Opportunities and Forecasts, 2015-2022

Description:

Permanent magnet synchronous motors (PMSMs) are AC synchronous motors that receive field excitation by permanent magnets. These motors have sinusoidal back-EMF and are similar to brushless DC (BLDC) motors. PMSMs provide durability as well as electric stability and ensure reliable performance.

Major factors influencing the market growth are rising need and demand for energy-efficient low power-consuming motors, growing demand of PMSMs in industrial and agricultural sectors, and increasing awareness towards the use of green vehicles. Furthermore, increasing emphasis on the maintenance and use of standard motors is likely to create opportunities for market growth in the future.

The market is segmented based on voltage range, application, and geography. Based on the voltage range, it includes above 60V, 41V-60V, 31V-40V, 21V-30V, 10V-20V, and 9V and below. The applications assessed in the report include automation, consumer electronics, residential & commercial, automotive & transportation, lab equipment, medical, and military/aerospace. Geographically, the PMSM market is divided across North America, Europe, Asia-Pacific, and LAMEA. Asia-Pacific held the largest market share in 2015; however, LAMEA is likely to witness highest growth during the forecast period owing to increase in demand for these motors.

POTENTIAL BENEFITS FOR STAKEHOLDERS:

The report provides integrated information on the major drivers, restraints, and opportunities influencing the industry growth during the forecast period. SWOT analysis of major brands highlights their weaknesses, strengths, opportunities, and threats. The data proves effective for business owners planning on designing their marketing and branding strategies. Region-wise business performance is likely to be valuable for enterprises planning to explore new areas. Frameworks such as Porters Five Forces and value chain analysis, highlight the industry competitiveness and the role of the various stakeholders involved in the delivery of final product. This study further outlines the prominent market players and their business strategies to maintain their position. Key market players profiled in the report are DRS Technologies, Emerson, General Electric, Siemens AG, Mitsubishi Electric Corporation, and Toshiba Corp.

PERMANENT MAGNET SYNCHRONOUS MOTOR MARKET SEGMENTATION

The world permanent magnet synchronous motor market is divided based on voltage range, application, and geography.

PERMANENT MAGNET SYNCHRONOUS MOTOR MARKET - BY VOLTAGE RANGE

- Above 60V
- 41V-60V
- 31V-40V
- 21V-30V
- 10V-20V
- 9V and below

PERMANENT MAGNET SYNCHRONOUS MOTOR MARKET - BY APPLICATION

- Automation
- Consumer Electronics
- Residential & Commercial
- Automotive & Transportation
- Lab Equipment
- Medical
- Military/Aerospace
Chapter: 1 INTRODUCTION
1.1 Report description
1.2 Key benefits
1.3 Key market segments
1.4 Research methodology
1.4.1 Secondary research
1.4.2 Primary research
1.4.3 Analyst tools and models

Chapter: 2 EXECUTIVE SUMMARY
2.1 CXO perspective

Chapter: 3 MARKET OVERVIEW
3.1 Market definition and scope
3.2 Key findings
3.2.1 Top impacting factors
3.2.2 Top winning strategies
3.2.3 Top investment pockets
3.3 Value chain analysis
3.4 Porters five forces analysis
3.4.1 Low concentration of buyers and low product differentiation lower the bargaining power of buyers
3.4.2 Less price sensitive buyers maximizes the bargaining power of suppliers
3.4.3 Lack of substitutes for permanent magnet synchronous motors in the market leads to no threat of substitutes
3.4.4 High initial investment lowers the threat of new entrants in the industry
3.4.5 Fragmented buyers and brand loyalty balance the competitive rivalry in the industry
3.5 Market share analysis, 2015 (%)
3.6 Drivers
3.6.1 High efficiency of PMSM
3.6.2 Use of low cost permanent magnets
3.6.3 Reduced power consumption
3.6.4 Rising demand in industrial and agricultural sectors
3.6.5 Increasing awareness of green vehicles (electric vehicle)
3.7 Restraints
3.7.1 High price and scarcity of rare earth magnets
3.7.2 Production of magnets is limited to some countries
3.8 Opportunities
3.8.1 Expansion in oil and gas industries
3.8.2 Increasing dependence on rare earth magnets

Chapter: 4 WORLD PERMANENT MAGNET SYNCHRONOUS MOTOR (PMSM) MARKET, BY APPLICATION
4.1 Automation
4.1.1 Key market trends
4.1.2 Key drivers & opportunities
4.1.3 Market size and forecast
4.2 Consumer electronics
4.2.1 Key market trends
4.2.2 Key drivers & opportunities
4.2.3 Market size and forecast
4.3 Residential & commercial
4.3.1 Key market trends
4.3.2 Key drivers & opportunities
4.3.3 Market size and forecast
4.4 Lab equipment
4.4.1 Key market trends
4.4.2 Key drivers & opportunities
4.4.3 Market size and forecast
4.5 Medical
4.5.1 Key market trends
4.5.2 Key drivers & opportunities
4.5.3 Market size and forecast
4.6 Military/Aerospace
4.6.1 Key market trends
4.6.2 Key drivers & opportunities
4.6.3 Market size and forecast
4.7 Automotive & transportation
4.7.1 Key market trends
4.7.2 Key drivers & opportunities
4.7.3 Market size and forecast

Chapter: 5 WORLD PERMANENT MAGNET SYNCHRONOUS MOTOR (PMSM) MARKET, BY VOLTAGE RANGE
5.1 9 Volts and below
5.1.1 Key market trends
5.1.2 Key drivers & opportunities
5.1.3 Market size and forecast
5.1.4 Market volume and forecast
5.2 10V - 20V
5.2.1 Key market trends
5.2.2 Key drivers & opportunities
5.2.3 Market size and forecast
5.2.4 Market volume and forecast
5.3 21V - 30V
5.3.1 Key market trends
5.3.2 Key drivers & opportunities
5.3.3 Market size and forecast
5.3.4 Market volume and forecast
5.4 31V - 40V
5.4.1 Key market trends
5.4.2 Key drivers & opportunities
5.4.3 Market size and forecast
5.4.4 Market volume and forecast
5.5 41V - 60V
5.5.1 Key market trends
5.5.2 Key drivers & opportunities
5.5.3 Market size and forecast
5.5.4 Market volume and forecast
5.6 60V and above
5.6.1 Key market trends
5.6.2 Key drivers & opportunities
5.6.3 Market size and forecast
5.6.4 Market volume and forecast

Chapter: 6 WORLD PERMANENT MAGNET SYNCHRONOUS MOTOR (PMSM) MARKET, BY GEOGRAPHY
6.1 North America
6.1.1 Key market trends
6.1.2 Key drivers and opportunities
6.1.3 Market size and forecast
6.2 Europe
6.2.1 Key market trends
6.2.2 Key drivers & opportunities
6.2.3 Market size and forecast
6.3 Asia-Pacific
6.3.1 Key market trends
6.3.2 Key drivers & opportunities
6.3.3 Market size and forecast
6.3.5 China
   6.3.5.1 Key market trends
   6.3.5.2 Key drivers & opportunities
   6.3.5.3 Market size and forecast
6.3.6 Rest of Asia-Pacific
   6.3.6.1 Key market trends
   6.3.6.2 Key drivers & opportunities
   6.3.6.3 Market size and forecast
6.4 LAMEA
   6.4.1 Key market trends
   6.4.2 Key drivers & opportunities
   6.4.3 Market size and forecast

Chapter: 7 COMPANY PROFILES
7.1 Baldor Electric Company, Inc. (ABB Group)
   7.1.1 Company overview
   7.1.2 Business performance
   7.1.3 Strategic moves & developments
   7.1.4 SWOT analysis
7.2 Rockwell Automation, Inc.
   7.2.1 Company overview
   7.2.2 Business performance
   7.2.3 Strategic moves & developments
   7.2.4 SWOT analysis
7.3 Siemens AG
   7.3.1 Company overview
   7.3.2 Business performance
   7.3.3 Strategic moves & developments
   7.3.4 SWOT analysis
7.4 Toshiba Corporation
   7.4.1 Company overview
   7.4.2 Business performance
   7.4.3 Strategic moves & developments
   7.4.4 SWOT analysis
7.5 Hitachi Ltd.
   7.5.1 Company overview
   7.5.2 Business performance
   7.5.3 Strategic moves & developments
   7.5.4 SWOT analysis
7.6 Emerson Electric Corp.
   7.6.1 Company overview
   7.6.2 Business performance
   7.6.3 Strategic moves & developments
   7.6.4 SWOT analysis
7.7 Johnson Electric
   7.7.1 Company overview
   7.7.2 Business performance
   7.7.3 Strategic moves & developments
   7.7.4 SWOT analysis
7.8 DRS Technologies Inc.
   7.8.1 Company overview
   7.8.2 Strategic moves & developments
   7.8.3 SWOT analysis
7.9 General Electric Company
   7.9.1 Company overview
   7.9.2 Business performance
   7.9.3 Strategic moves & developments
   7.9.4 SWOT analysis
7.10 Mitsubishi Electric Corporation
   7.10.1 Company overview
   7.10.2 Business performance
   7.10.3 Strategic moves & developments
   7.10.4 SWOT analysis
Table 1 World Pmsm Market By Geography, 2015-2022 ($Million)
Table 2 World Pmsm Market By Application, 2015-2022 ($Million)
Table 3 World Pmsm Market In Automation Application. By Geography, 2015-2022 ($Million)
Table 4 World Pmsm Market In Consumer Electronics Application, By Geography, 2015-2022 ($Million)
Table 5 World Pmsm Market In Residential & Commercial Application, By Geography, 2015-2022 ($Million)
Table 6 World Pmsm Market In Lab Equipment Application, By Geography, 2015-2022 ($Million)
Table 7 World Pmsm Market In Medical Application, By Geography, 2015-2022 ($Million)
Table 8 World Pmsm Market In Aerospace & Military Application, By Geography, 2015-2022 ($Million)
Table 9 World Pmsm Market In Automotive & Transportation Application, By Geography, 2015-2022 ($Million)
Table 10 World Pmsm Market, By Voltage Range, 2015-2022 ($Million)
Table 11 World Pmsm Market, By Voltage Range, 2015-2022 (Million Units)
Table 12 World Pmsm Market For Voltage Range 9V & Below, By Geography, 2015-2022 ($Million)
Table 13 World Pmsm Market For Voltage Range 9V & Below, By Geography, 2015-2022 (Million Units)
Table 14 World Pmsm Market For Voltage Range 10V-20V, By Geography, 2015-2022 ($Million)
Table 15 World Pmsm Market For Voltage Range 10V-20V, By Geography, 2015-2022 (Million Units)
Table 16 World Pmsm Market For Voltage Range 21V-30V, By Geography, 2015-2022 ($Million)
Table 17 World Pmsm Market For Voltage Range 21V-30V, By Geography, 2015-2022 (Million Units)
Table 18 World Pmsm Market For Voltage Range 31V-40V, By Geography, 2015-2022 ($Million)
Table 19 World Pmsm Market For Voltage Range 31V-40V, By Geography, 2015-2022 (Million Units)
Table 20 World Pmsm Market For Voltage Range 41V-60V, By Geography, 2015-2022 ($Million)
Table 21 World Pmsm Market For Voltage Range 41V-60V, By Geography, 2015-2022 (Million Units)
Table 22 World Pmsm Market For Voltage Range 60V & Above, By Geography, 2015-2022 ($Million)
Table 23 World Pmsm Market For Voltage Range 60V & Above, By Geography, 2015-2022 (Million Units)
Table 24 North America Pmsm Market By Application, 2015-2022 ($Million)
Table 25 Europe Pmsm Market By Application, 2015-2022 ($Million)
Table 26 Asia-Pacific Pmsm Market By Application, 2015-2022 ($Million)
Table 27 China Pmsm Market By Application, 2015-2022 ($Million)
Table 28 Rest Of Asia-Pacific Pmsm Market By Application, 2015-2022 ($Million)
Table 29 Lamea Pmsm Market By Application, 2015-2022 ($Million)
Table 30 Baldor Electric Company, Inc. - Company Snapshot
Table 31 Rockwell Automation, Inc. - Company Snapshot
Table 32 Siemens Ag - Company Snapshot
Table 33 Snapshot Of Toshiba Corporation
Table 34 Hitachi Ltd.- Company Snapshot
Table 35 Emerson Electric Corp.- Company Snapshot
Table 36 Johnson Electric: Company Snapshot
Table 37 Drs Technologies, Inc. - Company Snapshot
Table 38 General Electric Company - Company Snapshot
Table 39 Mitsubishi Electric Corporation - Company Snapshot

Fig. 1 Top Impacting Factors
Fig. 2 Top Winning Strategies In The Pmsm Market
Fig. 3 Top Winning Strategies Analysis
Fig. 4 Top Investment Pockets
Fig. 5 Value Chain Analysis Of Pmsm Market
Fig. 6 Porters Five Forces Analysis
Fig. 7 Market Share Analysis Of Pmsm Companies, 2015 (%)
Fig. 8 Baldor Electric Company, Inc.: Net Revenue, 2013-2015 ($Million)
Fig. 9 Baldor Electric Company, Inc.: Net Revenue, By Geography, 2015 (%)
Fig. 10 Baldor Electric Company, Inc.: Net Revenue, By Business Segment, 2015 (%)
Fig. 11 Baldor Electric Company, Inc. - Swot Analysis
Fig. 12 Rockwell Automation, Inc.: Net Revenue, 2012-2015 ($Million)
Fig. 13 Rockwell Automation, Inc.: Net Revenue, By Geography, 2015 (%)
Fig. 14 Rockwell Automation, Inc.: Net Revenue, By Division, 2015 (%)
Fig. 15 Rockwell Automation, Inc. - Swot Analysis
Fig. 16 Siemens Ag: Net Revenue,2012-2015 ($Million)
Fig. 17 Siemens Ag: Net Revenue, By Geography, 2015 (%)
Fig. 18 Siemens Ag: Net Revenue, By Business Segment, 2015 (%)
Fig. 19 Siemens Ag - Swot Analysis
Fig. 20 Toshiba Corporation: Net Revenue, 2012-2015 ($Million)
Fig. 21 Toshiba Corporation: Net Revenue, By Geography, 2015 (%)
Fig. 22 Toshiba Corporation: Net Revenue, By Business Segment, 2015 (%)

Fig. 23 Toshiba Corporation - Swot Analysis
Fig. 24 Hitachi Ltd.: Net Revenue, 20122015 ($Million)
Fig. 25 Hitachi Ltd: Net Revenue, By Geography, 2015 (%)
Fig. 26 Hitachi Ltd. - Swot Analysis
Fig. 27 Emerson Electric Corp.: Net Revenue, 20122015 ($Million)
Fig. 28 Emerson Electric Corp.: Net Revenue, By Geography, 2015 (%)
Fig. 29 Emerson Electric Corp.: Net Revenue, By Business Segment, 2015 (%)
Fig. 30 Emerson Electric Corp. - Swot Analysis
Fig. 31 Johnson Electric: Net Revenue, 20122015 ($Million)
Fig. 32 Johnson Electric: Net Revenue, By Geography, 2015 (%)
Fig. 33 Johnson Electric: Net Revenue, By Business Segment, 2015 (%)
Fig. 34 Johnson Electric - Swot Analysis
Fig. 35 Drs Technologies, Inc. - Swot Analysis
Fig. 36 General Electric Company: Net Revenue, 20132015 ($Million)
Fig. 37 General Electric Company: Net Revenue, By Business Segment, 2015 (%)
Fig. 38 General Electric Company: Net Revenue, By Geography, 2015 (%)
Fig. 39 General Electric Company - Swot Analysis
Fig. 40 Mitsubishi Electric Corporation: Net Revenue, 20132015 ($Million)
Fig. 41 Mitsubishi Electric Corporation: Net Revenue, By Business Segment, 2015 (%)
Fig. 42 Mitsubishi Electric Corporation - Swot Analysis

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