

Global Wind Turbine Electromagnetic Brake Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Wind Turbine Electromagnetic Brake market size is expected to reach \$ 343 million by 2032, rising at a market growth of 6.0% CAGR during the forecast period (2026-2032).

In 2025, global Wind Turbine Electromagnetic Brake production is approximately 162,161 units, with an average global market price of around US\$1,342 per unit. Gross margin is about 34%, and the cost is around US\$886 per unit. Global production capacity is estimated to be around 200,600 units. A Wind Turbine Electromagnetic Brake is an electromagnetic braking device used in wind turbines to provide braking, release, holding, and safety-locking functions through electromagnetic force, spring force, and friction components. It is commonly installed in pitch systems, yaw systems, drive motors, or auxiliary transmission units of wind turbines. The product is used to lock moving components during shutdown, power failure, system faults, maintenance, or emergency conditions, helping prevent blade pitch loss, abnormal yaw movement, or motor reverse rotation. Compared with hydraulic brakes, wind turbine electromagnetic brakes are more compact, faster in response, and easier to control, making them suitable for motor-end braking and safety holding applications in wind turbines.

As wind turbines continue to develop toward larger capacity, higher reliability, smarter operation, and lower maintenance requirements, wind turbine electromagnetic brakes are evolving toward higher braking torque, longer service life, lower noise, stronger corrosion resistance, and intelligent monitoring. Future demand will be driven by new wind power installations, replacement demand from aging turbines, upgrades of pitch and yaw systems, and the growing need for high-protection and high-reliability braking components in offshore wind projects. Manufacturers are increasingly focusing on friction material durability pitch and yaw systems, and the growing need for high-

protection and high-reliability braking components in offshore wind projects. Manufacturers, stable electromagnetic response, fail-safe holding capability, lightweight structure, and condition monitoring, turning electromagnetic brakes from traditional actuator components into key intelligent safety components within wind turbine control systems.

Report Scope

This report studies the global Wind Turbine Electromagnetic Brake production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Wind Turbine Electromagnetic Brake and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Wind Turbine Electromagnetic Brake that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Wind Turbine Electromagnetic Brake total production and demand, 2021-2032, (Units)

Global Wind Turbine Electromagnetic Brake total production value, 2021-2032, (USD Million)

Global Wind Turbine Electromagnetic Brake production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Wind Turbine Electromagnetic Brake consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Wind Turbine Electromagnetic Brake domestic production, consumption, key domestic manufacturers and share

Global Wind Turbine Electromagnetic Brake production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Wind Turbine Electromagnetic Brake production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Wind Turbine Electromagnetic Brake production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Wind Turbine Electromagnetic Brake market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key

companies covered as a part of this study include Svendborg Brakes, mayr power transmission, PRECIMA Magnettechnik, KEB Automation, Miki Pulley, Ogura Industrial, Warner Electric, Stromag, INTORQ, Vulkan, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Wind Turbine Electromagnetic Brake market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Wind Turbine Electromagnetic Brake Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Wind Turbine Electromagnetic Brake Market, Segmentation by Type:

Electromagnetic Disc Brake

Electromagnetic Drum Brake

Electromagnetic Caliper Brake

Others

Global Wind Turbine Electromagnetic Brake Market, Segmentation by Technology:

Power-Off Electromagnetic Brake

Power-On Electromagnetic Brake

Permanent Magnet Electromagnetic Brake

Global Wind Turbine Electromagnetic Brake Market, Segmentation by Application:

Offshore Wind Energy

Onshore Wind Energy

Companies Profiled:

Svendborg Brakes

mayr power transmission

PRECIMA Magnettechnik

KEB Automation

Miki Pulley

Ogura Industrial

Warner Electric

Stromag

INTORQ

Vulkan

Chengdu CDC Technology Co., Ltd.

Antec Group

Klam Retarder

Reach Machinery Co., Ltd.

Jiangxi Huawu Brake Co., Ltd.

Qingdao Huarui Auto Parts Co., Ltd.

Jiaozuo Brake Group Co., Ltd.

Key Questions Answered:

1. How big is the global Wind Turbine Electromagnetic Brake market?
2. What is the demand of the global Wind Turbine Electromagnetic Brake market?
3. What is the year over year growth of the global Wind Turbine Electromagnetic Brake market?
4. What is the production and production value of the global Wind Turbine Electromagnetic Brake market?
5. Who are the key producers in the global Wind Turbine Electromagnetic Brake market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Wind Turbine Electromagnetic Brake Introduction
- 1.2 World Wind Turbine Electromagnetic Brake Supply & Forecast
 - 1.2.1 World Wind Turbine Electromagnetic Brake Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Wind Turbine Electromagnetic Brake Production (2021-2032)
 - 1.2.3 World Wind Turbine Electromagnetic Brake Pricing Trends (2021-2032)
- 1.3 World Wind Turbine Electromagnetic Brake Production by Region (Based on Production Site)
 - 1.3.1 World Wind Turbine Electromagnetic Brake Production Value by Region (2021-2032)
 - 1.3.2 World Wind Turbine Electromagnetic Brake Production by Region (2021-2032)
 - 1.3.3 World Wind Turbine Electromagnetic Brake Average Price by Region (2021-2032)
 - 1.3.4 North America Wind Turbine Electromagnetic Brake Production (2021-2032)
 - 1.3.5 Europe Wind Turbine Electromagnetic Brake Production (2021-2032)
 - 1.3.6 China Wind Turbine Electromagnetic Brake Production (2021-2032)
 - 1.3.7 Japan Wind Turbine Electromagnetic Brake Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Wind Turbine Electromagnetic Brake Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Wind Turbine Electromagnetic Brake Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Wind Turbine Electromagnetic Brake Demand (2021-2032)
- 2.2 World Wind Turbine Electromagnetic Brake Consumption by Region
 - 2.2.1 World Wind Turbine Electromagnetic Brake Consumption by Region (2021-2026)
 - 2.2.2 World Wind Turbine Electromagnetic Brake Consumption Forecast by Region (2027-2032)
- 2.3 United States Wind Turbine Electromagnetic Brake Consumption (2021-2032)
- 2.4 China Wind Turbine Electromagnetic Brake Consumption (2021-2032)
- 2.5 Europe Wind Turbine Electromagnetic Brake Consumption (2021-2032)
- 2.6 Japan Wind Turbine Electromagnetic Brake Consumption (2021-2032)
- 2.7 South Korea Wind Turbine Electromagnetic Brake Consumption (2021-2032)
- 2.8 ASEAN Wind Turbine Electromagnetic Brake Consumption (2021-2032)

2.9 India Wind Turbine Electromagnetic Brake Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Wind Turbine Electromagnetic Brake Production Value by Manufacturer (2021-2026)

3.2 World Wind Turbine Electromagnetic Brake Production by Manufacturer (2021-2026)

3.3 World Wind Turbine Electromagnetic Brake Average Price by Manufacturer (2021-2026)

3.4 Wind Turbine Electromagnetic Brake Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Wind Turbine Electromagnetic Brake Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Wind Turbine Electromagnetic Brake in 2025

3.5.3 Global Concentration Ratios (CR8) for Wind Turbine Electromagnetic Brake in 2025

3.6 Wind Turbine Electromagnetic Brake Market: Overall Company Footprint Analysis

3.6.1 Wind Turbine Electromagnetic Brake Market: Region Footprint

3.6.2 Wind Turbine Electromagnetic Brake Market: Company Product Type Footprint

3.6.3 Wind Turbine Electromagnetic Brake Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Wind Turbine Electromagnetic Brake Production Value Comparison

4.1.1 United States VS China: Wind Turbine Electromagnetic Brake Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Wind Turbine Electromagnetic Brake Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Wind Turbine Electromagnetic Brake Production

Comparison

4.2.1 United States VS China: Wind Turbine Electromagnetic Brake Production

Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Wind Turbine Electromagnetic Brake Production Market

Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Wind Turbine Electromagnetic Brake Consumption

Comparison

4.3.1 United States VS China: Wind Turbine Electromagnetic Brake Consumption

Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Wind Turbine Electromagnetic Brake Consumption

Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Wind Turbine Electromagnetic Brake Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Wind Turbine Electromagnetic Brake Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Wind Turbine Electromagnetic Brake Production Value (2021-2026)

4.4.3 United States Based Manufacturers Wind Turbine Electromagnetic Brake Production (2021-2026)

4.5 China Based Wind Turbine Electromagnetic Brake Manufacturers and Market Share

4.5.1 China Based Wind Turbine Electromagnetic Brake Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Wind Turbine Electromagnetic Brake Production Value (2021-2026)

4.5.3 China Based Manufacturers Wind Turbine Electromagnetic Brake Production (2021-2026)

4.6 Rest of World Based Wind Turbine Electromagnetic Brake Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Wind Turbine Electromagnetic Brake Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Wind Turbine Electromagnetic Brake Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Wind Turbine Electromagnetic Brake Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Wind Turbine Electromagnetic Brake Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

- 5.2.1 Electromagnetic Disc Brake
- 5.2.2 Electromagnetic Drum Brake
- 5.2.3 Electromagnetic Caliper Brake
- 5.2.4 Others

5.3 Market Segment by Type

- 5.3.1 World Wind Turbine Electromagnetic Brake Production by Type (2021-2032)
- 5.3.2 World Wind Turbine Electromagnetic Brake Production Value by Type (2021-2032)
- 5.3.3 World Wind Turbine Electromagnetic Brake Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY TECHNOLOGY

6.1 World Wind Turbine Electromagnetic Brake Market Size Overview by Technology: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Technology

- 6.2.1 Power-Off Electromagnetic Brake
- 6.2.2 Power-On Electromagnetic Brake
- 6.2.3 Permanent Magnet Electromagnetic Brake

6.3 Market Segment by Technology

- 6.3.1 World Wind Turbine Electromagnetic Brake Production by Technology (2021-2032)
- 6.3.2 World Wind Turbine Electromagnetic Brake Production Value by Technology (2021-2032)
- 6.3.3 World Wind Turbine Electromagnetic Brake Average Price by Technology (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World Wind Turbine Electromagnetic Brake Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

- 7.2.1 Offshore Wind Energy
- 7.2.2 Onshore Wind Energy

7.3 Market Segment by Application

- 7.3.1 World Wind Turbine Electromagnetic Brake Production by Application (2021-2032)
- 7.3.2 World Wind Turbine Electromagnetic Brake Production Value by Application (2021-2032)

7.3.3 World Wind Turbine Electromagnetic Brake Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 Svendborg Brakes

8.1.1 Svendborg Brakes Details

8.1.2 Svendborg Brakes Major Business

8.1.3 Svendborg Brakes Wind Turbine Electromagnetic Brake Product and Services

8.1.4 Svendborg Brakes Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 Svendborg Brakes Recent Developments/Updates

8.1.6 Svendborg Brakes Competitive Strengths & Weaknesses

8.2 mayr power transmission

8.2.1 mayr power transmission Details

8.2.2 mayr power transmission Major Business

8.2.3 mayr power transmission Wind Turbine Electromagnetic Brake Product and Services

8.2.4 mayr power transmission Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.2.5 mayr power transmission Recent Developments/Updates

8.2.6 mayr power transmission Competitive Strengths & Weaknesses

8.3 PRECIMA Magnettechnik

8.3.1 PRECIMA Magnettechnik Details

8.3.2 PRECIMA Magnettechnik Major Business

8.3.3 PRECIMA Magnettechnik Wind Turbine Electromagnetic Brake Product and Services

8.3.4 PRECIMA Magnettechnik Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.3.5 PRECIMA Magnettechnik Recent Developments/Updates

8.3.6 PRECIMA Magnettechnik Competitive Strengths & Weaknesses

8.4 KEB Automation

8.4.1 KEB Automation Details

8.4.2 KEB Automation Major Business

8.4.3 KEB Automation Wind Turbine Electromagnetic Brake Product and Services

8.4.4 KEB Automation Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.4.5 KEB Automation Recent Developments/Updates

8.4.6 KEB Automation Competitive Strengths & Weaknesses

8.5 Miki Pulley

8.5.1 Miki Pulley Details

8.5.2 Miki Pulley Major Business

8.5.3 Miki Pulley Wind Turbine Electromagnetic Brake Product and Services

8.5.4 Miki Pulley Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.5.5 Miki Pulley Recent Developments/Updates

8.5.6 Miki Pulley Competitive Strengths & Weaknesses

8.6 Ogura Industrial

8.6.1 Ogura Industrial Details

8.6.2 Ogura Industrial Major Business

8.6.3 Ogura Industrial Wind Turbine Electromagnetic Brake Product and Services

8.6.4 Ogura Industrial Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.6.5 Ogura Industrial Recent Developments/Updates

8.6.6 Ogura Industrial Competitive Strengths & Weaknesses

8.7 Warner Electric

8.7.1 Warner Electric Details

8.7.2 Warner Electric Major Business

8.7.3 Warner Electric Wind Turbine Electromagnetic Brake Product and Services

8.7.4 Warner Electric Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.7.5 Warner Electric Recent Developments/Updates

8.7.6 Warner Electric Competitive Strengths & Weaknesses

8.8 Stromag

8.8.1 Stromag Details

8.8.2 Stromag Major Business

8.8.3 Stromag Wind Turbine Electromagnetic Brake Product and Services

8.8.4 Stromag Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.8.5 Stromag Recent Developments/Updates

8.8.6 Stromag Competitive Strengths & Weaknesses

8.9 INTORQ

8.9.1 INTORQ Details

8.9.2 INTORQ Major Business

8.9.3 INTORQ Wind Turbine Electromagnetic Brake Product and Services

8.9.4 INTORQ Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.9.5 INTORQ Recent Developments/Updates

8.9.6 INTORQ Competitive Strengths & Weaknesses

8.10 Vulkan

8.10.1 Vulkan Details

8.10.2 Vulkan Major Business

8.10.3 Vulkan Wind Turbine Electromagnetic Brake Product and Services

8.10.4 Vulkan Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.10.5 Vulkan Recent Developments/Updates

8.10.6 Vulkan Competitive Strengths & Weaknesses

8.11 Chengdu CDC Technology Co., Ltd.

8.11.1 Chengdu CDC Technology Co., Ltd. Details

8.11.2 Chengdu CDC Technology Co., Ltd. Major Business

8.11.3 Chengdu CDC Technology Co., Ltd. Wind Turbine Electromagnetic Brake Product and Services

8.11.4 Chengdu CDC Technology Co., Ltd. Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.11.5 Chengdu CDC Technology Co., Ltd. Recent Developments/Updates

8.11.6 Chengdu CDC Technology Co., Ltd. Competitive Strengths & Weaknesses

8.12 Antec Group

8.12.1 Antec Group Details

8.12.2 Antec Group Major Business

8.12.3 Antec Group Wind Turbine Electromagnetic Brake Product and Services

8.12.4 Antec Group Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.12.5 Antec Group Recent Developments/Updates

8.12.6 Antec Group Competitive Strengths & Weaknesses

8.13 Klam Retarder

8.13.1 Klam Retarder Details

8.13.2 Klam Retarder Major Business

8.13.3 Klam Retarder Wind Turbine Electromagnetic Brake Product and Services

8.13.4 Klam Retarder Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.13.5 Klam Retarder Recent Developments/Updates

8.13.6 Klam Retarder Competitive Strengths & Weaknesses

8.14 Reach Machinery Co., Ltd.

8.14.1 Reach Machinery Co., Ltd. Details

8.14.2 Reach Machinery Co., Ltd. Major Business

8.14.3 Reach Machinery Co., Ltd. Wind Turbine Electromagnetic Brake Product and Services

8.14.4 Reach Machinery Co., Ltd. Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.14.5 Reach Machinery Co., Ltd. Recent Developments/Updates

8.14.6 Reach Machinery Co., Ltd. Competitive Strengths & Weaknesses

8.15 Jiangxi Huawu Brake Co., Ltd.

8.15.1 Jiangxi Huawu Brake Co., Ltd. Details

8.15.2 Jiangxi Huawu Brake Co., Ltd. Major Business

8.15.3 Jiangxi Huawu Brake Co., Ltd. Wind Turbine Electromagnetic Brake Product and Services

8.15.4 Jiangxi Huawu Brake Co., Ltd. Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.15.5 Jiangxi Huawu Brake Co., Ltd. Recent Developments/Updates

8.15.6 Jiangxi Huawu Brake Co., Ltd. Competitive Strengths & Weaknesses

8.16 Qingdao Huarui Auto Parts Co., Ltd.

8.16.1 Qingdao Huarui Auto Parts Co., Ltd. Details

8.16.2 Qingdao Huarui Auto Parts Co., Ltd. Major Business

8.16.3 Qingdao Huarui Auto Parts Co., Ltd. Wind Turbine Electromagnetic Brake Product and Services

8.16.4 Qingdao Huarui Auto Parts Co., Ltd. Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.16.5 Qingdao Huarui Auto Parts Co., Ltd. Recent Developments/Updates

8.16.6 Qingdao Huarui Auto Parts Co., Ltd. Competitive Strengths & Weaknesses

8.17 Jiaozuo Brake Group Co., Ltd.

8.17.1 Jiaozuo Brake Group Co., Ltd. Details

8.17.2 Jiaozuo Brake Group Co., Ltd. Major Business

8.17.3 Jiaozuo Brake Group Co., Ltd. Wind Turbine Electromagnetic Brake Product and Services

8.17.4 Jiaozuo Brake Group Co., Ltd. Wind Turbine Electromagnetic Brake Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.17.5 Jiaozuo Brake Group Co., Ltd. Recent Developments/Updates

8.17.6 Jiaozuo Brake Group Co., Ltd. Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

9.1 Wind Turbine Electromagnetic Brake Industry Chain

9.2 Wind Turbine Electromagnetic Brake Upstream Analysis

9.2.1 Wind Turbine Electromagnetic Brake Core Raw Materials

9.2.2 Main Manufacturers of Wind Turbine Electromagnetic Brake Core Raw Materials

9.3 Midstream Analysis

9.4 Downstream Analysis

9.5 Wind Turbine Electromagnetic Brake Production Mode

9.6 Wind Turbine Electromagnetic Brake Procurement Model

9.7 Wind Turbine Electromagnetic Brake Industry Sales Model and Sales Channels

9.7.1 Wind Turbine Electromagnetic Brake Sales Model

9.7.2 Wind Turbine Electromagnetic Brake Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Wind Turbine Electromagnetic Brake Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Wind Turbine Electromagnetic Brake Production Value by Region (2021-2026) & (USD Million)

Table 3. World Wind Turbine Electromagnetic Brake Production Value by Region (2027-2032) & (USD Million)

Table 4. World Wind Turbine Electromagnetic Brake Production Value Market Share by Region (2021-2026)

Table 5. World Wind Turbine Electromagnetic Brake Production Value Market Share by Region (2027-2032)

Table 6. World Wind Turbine Electromagnetic Brake Production by Region (2021-2026) & (Units)

Table 7. World Wind Turbine Electromagnetic Brake Production by Region (2027-2032) & (Units)

Table 8. World Wind Turbine Electromagnetic Brake Production Market Share by Region (2021-2026)

Table 9. World Wind Turbine Electromagnetic Brake Production Market Share by Region (2027-2032)

Table 10. World Wind Turbine Electromagnetic Brake Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Wind Turbine Electromagnetic Brake Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Wind Turbine Electromagnetic Brake Major Market Trends

Table 13. World Wind Turbine Electromagnetic Brake Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Wind Turbine Electromagnetic Brake Consumption by Region (2021-2026) & (Units)

Table 15. World Wind Turbine Electromagnetic Brake Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Wind Turbine Electromagnetic Brake Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Wind Turbine Electromagnetic Brake Producers in 2025

Table 18. World Wind Turbine Electromagnetic Brake Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Wind Turbine Electromagnetic Brake Producers in 2025

Table 20. World Wind Turbine Electromagnetic Brake Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Wind Turbine Electromagnetic Brake Company Evaluation Quadrant

Table 22. World Wind Turbine Electromagnetic Brake Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Wind Turbine Electromagnetic Brake Production Site of Key Manufacturer

Table 24. Wind Turbine Electromagnetic Brake Market: Company Product Type Footprint

Table 25. Wind Turbine Electromagnetic Brake Market: Company Product Application Footprint

Table 26. Wind Turbine Electromagnetic Brake Competitive Factors

Table 27. Wind Turbine Electromagnetic Brake New Entrant and Capacity Expansion Plans

Table 28. Wind Turbine Electromagnetic Brake Mergers & Acquisitions Activity

Table 29. United States VS China Wind Turbine Electromagnetic Brake Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Wind Turbine Electromagnetic Brake Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Wind Turbine Electromagnetic Brake Consumption Comparison, (2021 & 2025 & 2032) & (Units)

Table 32. United States Based Wind Turbine Electromagnetic Brake Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Wind Turbine Electromagnetic Brake Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Wind Turbine Electromagnetic Brake Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Wind Turbine Electromagnetic Brake Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Wind Turbine Electromagnetic Brake Production Market Share (2021-2026)

Table 37. China Based Wind Turbine Electromagnetic Brake Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Wind Turbine Electromagnetic Brake Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Wind Turbine Electromagnetic Brake Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Wind Turbine Electromagnetic Brake Production, (2021-2026) & (Units)

Table 41. China Based Manufacturers Wind Turbine Electromagnetic Brake Production Market Share (2021-2026)

Table 42. Rest of World Based Wind Turbine Electromagnetic Brake Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Wind Turbine Electromagnetic Brake Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Wind Turbine Electromagnetic Brake Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Wind Turbine Electromagnetic Brake Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Wind Turbine Electromagnetic Brake Production Market Share (2021-2026)

Table 47. World Wind Turbine Electromagnetic Brake Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Wind Turbine Electromagnetic Brake Production by Type (2021-2026) & (Units)

Table 49. World Wind Turbine Electromagnetic Brake Production by Type (2027-2032) & (Units)

Table 50. World Wind Turbine Electromagnetic Brake Production Value by Type (2021-2026) & (USD Million)

Table 51. World Wind Turbine Electromagnetic Brake Production Value by Type (2027-2032) & (USD Million)

Table 52. World Wind Turbine Electromagnetic Brake Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Wind Turbine Electromagnetic Brake Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Wind Turbine Electromagnetic Brake Production Value by Technology, (USD Million), 2021 & 2025 & 2032

Table 55. World Wind Turbine Electromagnetic Brake Production by Technology (2021-2026) & (Units)

Table 56. World Wind Turbine Electromagnetic Brake Production by Technology (2027-2032) & (Units)

Table 57. World Wind Turbine Electromagnetic Brake Production Value by Technology (2021-2026) & (USD Million)

Table 58. World Wind Turbine Electromagnetic Brake Production Value by Technology (2027-2032) & (USD Million)

Table 59. World Wind Turbine Electromagnetic Brake Average Price by Technology

(2021-2026) & (US\$/Unit)

Table 60. World Wind Turbine Electromagnetic Brake Average Price by Technology

(2027-2032) & (US\$/Unit)

Table 61. World Wind Turbine Electromagnetic Brake Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Wind Turbine Electromagnetic Brake Production by Application (2021-2026) & (Units)

Table 63. World Wind Turbine Electromagnetic Brake Production by Application (2027-2032) & (Units)

Table 64. World Wind Turbine Electromagnetic Brake Production Value by Application (2021-2026) & (USD Million)

Table 65. World Wind Turbine Electromagnetic Brake Production Value by Application (2027-2032) & (USD Million)

Table 66. World Wind Turbine Electromagnetic Brake Average Price by Application (2021-2026) & (US\$/Unit)

Table 67. World Wind Turbine Electromagnetic Brake Average Price by Application (2027-2032) & (US\$/Unit)

Table 68. Svendborg Brakes Basic Information, Manufacturing Base and Competitors

Table 69. Svendborg Brakes Major Business

Table 70. Svendborg Brakes Wind Turbine Electromagnetic Brake Product and Services

Table 71. Svendborg Brakes Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Svendborg Brakes Recent Developments/Updates

Table 73. Svendborg Brakes Competitive Strengths & Weaknesses

Table 74. mayr power transmission Basic Information, Manufacturing Base and Competitors

Table 75. mayr power transmission Major Business

Table 76. mayr power transmission Wind Turbine Electromagnetic Brake Product and Services

Table 77. mayr power transmission Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. mayr power transmission Recent Developments/Updates

Table 79. mayr power transmission Competitive Strengths & Weaknesses

Table 80. PRECIMA Magnettechnik Basic Information, Manufacturing Base and Competitors

Table 81. PRECIMA Magnettechnik Major Business

Table 82. PRECIMA Magnettechnik Wind Turbine Electromagnetic Brake Product and Services

Table 83. PRECIMA Magnettechnik Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. PRECIMA Magnettechnik Recent Developments/Updates

Table 85. PRECIMA Magnettechnik Competitive Strengths & Weaknesses

Table 86. KEB Automation Basic Information, Manufacturing Base and Competitors

Table 87. KEB Automation Major Business

Table 88. KEB Automation Wind Turbine Electromagnetic Brake Product and Services

Table 89. KEB Automation Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. KEB Automation Recent Developments/Updates

Table 91. KEB Automation Competitive Strengths & Weaknesses

Table 92. Miki Pulley Basic Information, Manufacturing Base and Competitors

Table 93. Miki Pulley Major Business

Table 94. Miki Pulley Wind Turbine Electromagnetic Brake Product and Services

Table 95. Miki Pulley Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 96. Miki Pulley Recent Developments/Updates

Table 97. Miki Pulley Competitive Strengths & Weaknesses

Table 98. Ogura Industrial Basic Information, Manufacturing Base and Competitors

Table 99. Ogura Industrial Major Business

Table 100. Ogura Industrial Wind Turbine Electromagnetic Brake Product and Services

Table 101. Ogura Industrial Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. Ogura Industrial Recent Developments/Updates

Table 103. Ogura Industrial Competitive Strengths & Weaknesses

Table 104. Warner Electric Basic Information, Manufacturing Base and Competitors

Table 105. Warner Electric Major Business

Table 106. Warner Electric Wind Turbine Electromagnetic Brake Product and Services

Table 107. Warner Electric Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 108. Warner Electric Recent Developments/Updates

Table 109. Warner Electric Competitive Strengths & Weaknesses

Table 110. Stromag Basic Information, Manufacturing Base and Competitors

Table 111. Stromag Major Business

Table 112. Stromag Wind Turbine Electromagnetic Brake Product and Services

Table 113. Stromag Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 114. Stromag Recent Developments/Updates

Table 115. Stromag Competitive Strengths & Weaknesses

Table 116. INTORQ Basic Information, Manufacturing Base and Competitors

Table 117. INTORQ Major Business

Table 118. INTORQ Wind Turbine Electromagnetic Brake Product and Services

Table 119. INTORQ Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 120. INTORQ Recent Developments/Updates

Table 121. INTORQ Competitive Strengths & Weaknesses

Table 122. Vulkan Basic Information, Manufacturing Base and Competitors

Table 123. Vulkan Major Business

Table 124. Vulkan Wind Turbine Electromagnetic Brake Product and Services

Table 125. Vulkan Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 126. Vulkan Recent Developments/Updates

Table 127. Vulkan Competitive Strengths & Weaknesses

Table 128. Chengdu CDC Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 129. Chengdu CDC Technology Co., Ltd. Major Business

Table 130. Chengdu CDC Technology Co., Ltd. Wind Turbine Electromagnetic Brake Product and Services

Table 131. Chengdu CDC Technology Co., Ltd. Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 132. Chengdu CDC Technology Co., Ltd. Recent Developments/Updates

Table 133. Chengdu CDC Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 134. Antec Group Basic Information, Manufacturing Base and Competitors

Table 135. Antec Group Major Business

Table 136. Antec Group Wind Turbine Electromagnetic Brake Product and Services

Table 137. Antec Group Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 138. Antec Group Recent Developments/Updates

Table 139. Antec Group Competitive Strengths & Weaknesses

Table 140. Klam Retarder Basic Information, Manufacturing Base and Competitors

Table 141. Klam Retarder Major Business

Table 142. Klam Retarder Wind Turbine Electromagnetic Brake Product and Services

Table 143. Klam Retarder Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 144. Klam Retarder Recent Developments/Updates

Table 145. Klam Retarder Competitive Strengths & Weaknesses

Table 146. Reach Machinery Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 147. Reach Machinery Co., Ltd. Major Business

Table 148. Reach Machinery Co., Ltd. Wind Turbine Electromagnetic Brake Product and Services

Table 149. Reach Machinery Co., Ltd. Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 150. Reach Machinery Co., Ltd. Recent Developments/Updates

Table 151. Reach Machinery Co., Ltd. Competitive Strengths & Weaknesses

Table 152. Jiangxi Huawu Brake Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 153. Jiangxi Huawu Brake Co., Ltd. Major Business

Table 154. Jiangxi Huawu Brake Co., Ltd. Wind Turbine Electromagnetic Brake Product and Services

Table 155. Jiangxi Huawu Brake Co., Ltd. Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 156. Jiangxi Huawu Brake Co., Ltd. Recent Developments/Updates

Table 157. Jiangxi Huawu Brake Co., Ltd. Competitive Strengths & Weaknesses

Table 158. Qingdao Huarui Auto Parts Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 159. Qingdao Huarui Auto Parts Co., Ltd. Major Business

Table 160. Qingdao Huarui Auto Parts Co., Ltd. Wind Turbine Electromagnetic Brake Product and Services

Table 161. Qingdao Huarui Auto Parts Co., Ltd. Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 162. Qingdao Huarui Auto Parts Co., Ltd. Recent Developments/Updates

Table 163. Qingdao Huarui Auto Parts Co., Ltd. Competitive Strengths & Weaknesses

Table 164. Jiaozuo Brake Group Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 165. Jiaozuo Brake Group Co., Ltd. Major Business

Table 166. Jiaozuo Brake Group Co., Ltd. Wind Turbine Electromagnetic Brake Product and Services

Table 167. Jiaozuo Brake Group Co., Ltd. Wind Turbine Electromagnetic Brake Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 168. Jiaozuo Brake Group Co., Ltd. Recent Developments/Updates

Table 169. Jiaozuo Brake Group Co., Ltd. Competitive Strengths & Weaknesses

Table 170. Global Key Players of Wind Turbine Electromagnetic Brake Upstream (Raw Materials)

Table 171. Global Wind Turbine Electromagnetic Brake Typical Customers

Table 172. Wind Turbine Electromagnetic Brake Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Wind Turbine Electromagnetic Brake Picture
- Figure 2. World Wind Turbine Electromagnetic Brake Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Wind Turbine Electromagnetic Brake Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Wind Turbine Electromagnetic Brake Production (2021-2032) & (Units)
- Figure 5. World Wind Turbine Electromagnetic Brake Average Price (2021-2032) & (US\$/Unit)
- Figure 6. World Wind Turbine Electromagnetic Brake Production Value Market Share by Region (2021-2032)
- Figure 7. World Wind Turbine Electromagnetic Brake Production Market Share by Region (2021-2032)
- Figure 8. North America Wind Turbine Electromagnetic Brake Production (2021-2032) & (Units)
- Figure 9. Europe Wind Turbine Electromagnetic Brake Production (2021-2032) & (Units)
- Figure 10. China Wind Turbine Electromagnetic Brake Production (2021-2032) & (Units)
- Figure 11. Japan Wind Turbine Electromagnetic Brake Production (2021-2032) & (Units)
- Figure 12. Wind Turbine Electromagnetic Brake Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Wind Turbine Electromagnetic Brake Consumption (2021-2032) & (Units)
- Figure 15. World Wind Turbine Electromagnetic Brake Consumption Market Share by Region (2021-2032)
- Figure 16. United States Wind Turbine Electromagnetic Brake Consumption (2021-2032) & (Units)
- Figure 17. China Wind Turbine Electromagnetic Brake Consumption (2021-2032) & (Units)
- Figure 18. Europe Wind Turbine Electromagnetic Brake Consumption (2021-2032) & (Units)
- Figure 19. Japan Wind Turbine Electromagnetic Brake Consumption (2021-2032) & (Units)
- Figure 20. South Korea Wind Turbine Electromagnetic Brake Consumption (2021-2032) & (Units)
- Figure 21. ASEAN Wind Turbine Electromagnetic Brake Consumption (2021-2032) & (Units)

(Units)

Figure 22. India Wind Turbine Electromagnetic Brake Consumption (2021-2032) &

(Units)

Figure 23. Producer Shipments of Wind Turbine Electromagnetic Brake by
Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Wind Turbine
Electromagnetic Brake Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Wind Turbine
Electromagnetic Brake Markets in 2025

Figure 26. United States VS China: Wind Turbine Electromagnetic Brake Production
Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Wind Turbine Electromagnetic Brake Production
Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Wind Turbine Electromagnetic Brake Consumption
Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Wind Turbine Electromagnetic Brake
Production Market Share 2025

Figure 30. China Based Manufacturers Wind Turbine Electromagnetic Brake Production
Market Share 2025

Figure 31. Rest of World Based Manufacturers Wind Turbine Electromagnetic Brake
Production Market Share 2025

Figure 32. World Wind Turbine Electromagnetic Brake Production Value by Type, (USD
Million), 2021 & 2025 & 2032

Figure 33. World Wind Turbine Electromagnetic Brake Production Value Market Share
by Type in 2025

Figure 34. Electromagnetic Disc Brake

Figure 35. Electromagnetic Drum Brake

Figure 36. Electromagnetic Caliper Brake

Figure 37. Others

Figure 38. World Wind Turbine Electromagnetic Brake Production Market Share by
Type (2021-2032)

Figure 39. World Wind Turbine Electromagnetic Brake Production Value Market Share
by Type (2021-2032)

Figure 40. World Wind Turbine Electromagnetic Brake Average Price by Type
(2021-2032) & (US\$/Unit)

Figure 41. World Wind Turbine Electromagnetic Brake Production Value by Technology,
(USD Million), 2021 & 2025 & 2032

Figure 42. World Wind Turbine Electromagnetic Brake Production Value Market Share
by Technology in 2025

Figure 43. Power-Off Electromagnetic Brake

Figure 44. Power-On Electromagnetic Brake

Figure 45. Permanent Magnet Electromagnetic Brake

Figure 46. World Wind Turbine Electromagnetic Brake Production Market Share by Technology (2021-2032)

Figure 47. World Wind Turbine Electromagnetic Brake Production Value Market Share by Technology (2021-2032)

Figure 48. World Wind Turbine Electromagnetic Brake Average Price by Technology (2021-2032) & (US\$/Unit)

Figure 49. World Wind Turbine Electromagnetic Brake Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 50. World Wind Turbine Electromagnetic Brake Production Value Market Share by Application in 2025

Figure 51. Offshore Wind Energy

Figure 52. Onshore Wind Energy

Figure 53. World Wind Turbine Electromagnetic Brake Production Market Share by Application (2021-2032)

Figure 54. World Wind Turbine Electromagnetic Brake Production Value Market Share by Application (2021-2032)

Figure 55. World Wind Turbine Electromagnetic Brake Average Price by Application (2021-2032) & (US\$/Unit)

Figure 56. Wind Turbine Electromagnetic Brake Industry Chain

Figure 57. Wind Turbine Electromagnetic Brake Procurement Model

Figure 58. Wind Turbine Electromagnetic Brake Sales Model

Figure 59. Wind Turbine Electromagnetic Brake Sales Channels, Direct Sales, and Distribution

Figure 60. Methodology

Figure 61. Research Process and Data Source

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