

# Global Electromagnetic Particle Clutches Market Growth 2026-2032

<https://marketpublishers.com/r/G168B99001A1EN.html>

Date: July 2026

Pages: 120

Price: US\$ 3,660.00 (Single User License)

ID: G168B99001A1EN

## Abstracts

The global Electromagnetic Particle Clutches market size is predicted to grow from US\$ 1057 million in 2025 to US\$ 1664 million in 2032; it is expected to grow at a CAGR of 6.7% from 2026 to 2032.

In 2025, global Electromagnetic Particle Clutch output reached about 12 million units and global capacity of around 15 million units. The average price is about USD 90 per unit, with gross margins near 29%. Electromagnetic Particle Clutches are torque transmission devices that use magnetic particles (typically iron powder) inside a sealed gap between the driving and driven members. When an electric current is applied to the clutch coil, a magnetic field is generated, causing the magnetic particles to align and form chain-like structures that transmit torque smoothly and proportionally to the input current. These clutches are widely valued for precise tension control, soft start capability, rapid response, and stable torque transmission in applications such as printing machinery, packaging equipment, wire and cable processing, textile machinery, industrial automation, conveyors, and winding/unwinding systems. The supply chain begins with upstream suppliers of magnetic powders, copper coils, steel housings, bearings, friction materials, precision machined components, and electronic control systems. Midstream manufacturers design and assemble the clutch systems, integrating electromagnetic coils, rotors, particle chambers, and control electronics while conducting torque calibration and durability testing. Downstream distribution channels include industrial automation suppliers, motion control system integrators, OEM machinery manufacturers, and aftermarket maintenance providers, serving industries such as manufacturing, robotics, paper processing, packaging, automotive equipment, semiconductor production, and renewable energy machinery.

United States market for Electromagnetic Particle Clutches is estimated to increase

from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Electromagnetic Particle Clutches is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Electromagnetic Particle Clutches is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Electromagnetic Particle Clutches players cover Ogura Clutch, Warner Electric, Mach III Clutch, Electroid Company, Magtrol, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Electromagnetic Particle Clutches Industry Forecast" looks at past sales and reviews total world Electromagnetic Particle Clutches sales in 2025, providing a comprehensive analysis by region and market sector of projected Electromagnetic Particle Clutches sales for 2026 through 2032. With Electromagnetic Particle Clutches sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Electromagnetic Particle Clutches industry.

This Insight Report provides a comprehensive analysis of the global Electromagnetic Particle Clutches landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Electromagnetic Particle Clutches portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Electromagnetic Particle Clutches market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Electromagnetic Particle Clutches and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Electromagnetic Particle Clutches.

This report presents a comprehensive overview, market shares, and growth opportunities of Electromagnetic Particle Clutches market by product type, application,

key manufacturers and key regions and countries.

Segmentation by Type:

Natural Air-Cooled

Forced Air-Cooled

Water-Cooled

Oil-Cooled

Segmentation by Response Speed:

>100 ms

20?100 ms

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Electromagnetic Particle Clutches Annual Sales 2021-2032
  - 2.1.2 World Current & Future Analysis for Electromagnetic Particle Clutches by Geographic Region, 2021, 2025 & 2032
  - 2.1.3 World Current & Future Analysis for Electromagnetic Particle Clutches by Country/Region, 2021, 2025 & 2032
- 2.2 Electromagnetic Particle Clutches Segment by Type
  - 2.2.1 Natural Air-Cooled
  - 2.2.2 Forced Air-Cooled
  - 2.2.3 Water-Cooled
  - 2.2.4 Oil-Cooled
  - 2.2.5 Electromagnetic Particle Clutches Sales by Type
    - 2.2.5.1 Global Electromagnetic Particle Clutches Sales Market Share by Type (2021-2026)
    - 2.2.5.2 Global Electromagnetic Particle Clutches Revenue and Market Share by Type (2021-2026)
    - 2.2.5.3 Global Electromagnetic Particle Clutches Sale Price by Type (2021-2026)
- 2.3 Electromagnetic Particle Clutches Segment by Response Speed
  - 2.3.1 >100 ms
  - 2.3.2 20?100 ms
  - 2.3.3

## List Of Tables

### LIST OF TABLES

Table 1. Electromagnetic Particle Clutches Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Electromagnetic Particle Clutches Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Natural Air-Cooled

Table 4. Major Players of Forced Air-Cooled

Table 5. Major Players of Water-Cooled

Table 6. Major Players of Oil-Cooled

Table 7. Global Electromagnetic Particle Clutches Sales by Type (2021-2026) & (K Units)

Table 8. Global Electromagnetic Particle Clutches Sales Market Share by Type (2021-2026)

Table 9. Global Electromagnetic Particle Clutches Revenue by Type (2021-2026) & (\$ million)

Table 10. Global Electromagnetic Particle Clutches Revenue Market Share by Type (2021-2026)

Table 11. Global Electromagnetic Particle Clutches Sale Price by Type (2021-2026) & (US\$/Unit)

Table 12. Major Players of >100 ms

Table 13. Major Players of 20?100 ms

Table 14. Major Players of

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Electromagnetic Particle Clutches
- Figure 2. Electromagnetic Particle Clutches Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Electromagnetic Particle Clutches Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Electromagnetic Particle Clutches Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Electromagnetic Particle Clutches Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Electromagnetic Particle Clutches Sales Market Share by Country/Region (2025)
- Figure 10. Electromagnetic Particle Clutches Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Natural Air-Cooled
- Figure 12. Product Picture of Forced Air-Cooled
- Figure 13. Product Picture of Water-Cooled
- Figure 14. Product Picture of Oil-Cooled
- Figure 15. Global Electromagnetic Particle Clutches Sales Market Share by Type in 2026
- Figure 16. Global Electromagnetic Particle Clutches Revenue Market Share by Type (2021-2026)
- Figure 17. Product Picture of >100 ms
- Figure 18. Product Picture of 20?100 ms
- Figure 19. Product Picture of

## I would like to order

Product name: Global Electromagnetic Particle Clutches Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G168B99001A1EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G168B99001A1EN.html>