

# Global Electromagnetic Particle Clutches Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Electromagnetic Particle Clutches market size was valued at US\$ 1111 million in 2025 and is forecast to a readjusted size of US\$ 1712 million by 2032 with a CAGR of 6.3% during review period.

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.

This report is a detailed and comprehensive analysis for global Electromagnetic Particle Clutches market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Electromagnetic Particle Clutches market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Electromagnetic Particle Clutches market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Electromagnetic Particle Clutches market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Electromagnetic Particle Clutches market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Electromagnetic Particle Clutches

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Electromagnetic Particle Clutches market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key

companies covered as a part of this study include Ogura Clutch, Warner Electric, Mach III Clutch, Electroid Company, Magtrol, Emco Dynatorq, Sinfonia Technology, Merobel, Placid Industries, Reach Machinery, etc.

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

## Market Segmentation

Electromagnetic Particle Clutches market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Natural Air-Cooled

Forced Air-Cooled

Water-Cooled

Oil-Cooled

### Market segment by Response Speed

>100 ms

20–100 ms

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