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Motor Control Centers Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Conventional Motor Control Centers and Intelligent Motor Control Centers), By Voltage (Low voltage and Medium voltage), By Component (Busbars, Circuit Breakers & Fuses, Overload Relays, Variable Speed Drives, Soft Starters and Others), By End User (Industrial, Commercial and Utilities), By Region & Competition, 2021-2031F

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Abstracts

The Global Motor Control Centers Market is projected to expand from USD 7.81 Billion in 2025 to USD 11.86 Billion by 2031, reflecting a compound annual growth rate of 7.21%. Defined as a centralized assembly that manages electric motors through a shared power bus and individual control units, these systems are essential for modern power distribution. The market's growth is largely fueled by the rising adoption of industrial automation and the necessity for enhanced energy efficiency. A testament to this growth is the National Electrical Manufacturers Association's report from September 2024, which noted a business confidence index of 69.2 for the electroindustry sector, indicating a strong expansionary climate for industrial control manufacturers and modernization efforts.

Despite this positive outlook, the market faces a significant hurdle regarding the substantial initial capital investment needed for advanced intelligent motor control systems. Small and medium-sized enterprises, in particular, find it challenging to validate these high upfront expenses against their budgets. Furthermore, these organizations often struggle with the technical intricacies required to incorporate

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sophisticated control units into their pre-existing legacy infrastructures, which can delay or deter the adoption of modern technology.

Market Driver

The surging demand for industrial automation across various manufacturing sectors acts as a major driver for the global market. As production facilities increasingly adopt automated assembly lines and robotic systems, the requirement for centralized and dependable motor protection becomes indispensable for ensuring continuous operations. This trend spans beyond heavy industry to include food and beverage, packaging, and automotive sectors where precision is crucial. According to the International Federation of Robotics' "World Robotics 2024" report published in September 2024, the manufacturing industry globally installed 541,302 new industrial robots in 2023, creating a direct need for motor control units to manage the intricate electromechanical systems powering these automated assets.

In parallel, the incorporation of Industrial Internet of Things (IIoT) technologies and the overhaul of aging electrical grids are transforming market demands. Intelligent Motor Control Centers are gaining popularity for their ability to offer detailed insights into energy consumption and motor health, enabling predictive maintenance. This aligns with significant infrastructure investments, as highlighted by Eaton's October 2024 earnings release, which reported record sales of $3.0 billion in its Electrical Americas segment due to robust industrial activity. Additionally, the International Energy Agency projected global electricity grid investments to hit USD 400 billion in 2024, reinforcing the vital role of advanced motor control assemblies in maintaining resilient power networks.

Market Challenge

The substantial upfront capital required to install intelligent motor control systems represents a major obstacle to global market growth. These advanced integrated assemblies, often featuring variable frequency drives and network capabilities, come with a steep price tag compared to conventional electromechanical alternatives. For small and medium-sized businesses with limited financial resources, justifying the return on investment for this premium pricing is often difficult. As a result, many operators opt to prolong the use of their existing legacy equipment instead of investing in full modernization, which directly slows the adoption of new technologies and hinders market momentum.

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This financial barrier is further exacerbated by escalating production costs within the manufacturing industry, which sustain high equipment prices. The Institute for Supply Management reported in November 2025 that the Manufacturing Prices Index reached 58.5 percent, signaling a persistent rise in the cost of raw materials and industrial components. With manufacturers absorbing these increased input costs, the final price of motor control centers remains elevated, discouraging cost-conscious buyers. Consequently, this ongoing financial strain forces industrial operators to postpone capital-intensive initiatives, thereby impeding the overall expansion of the market.

Market Trends

The adoption of Advanced Arc Flash Safety Measures has become a prominent trend, fundamentally reshaping the design approach for low-voltage motor control assemblies. As industrial settings grow more complex, manufacturers are focusing on passive safety technologies, including arc-resistant switchgear and remote racking systems, to minimize the danger of severe electrical accidents. This transition is largely motivated by the need to safeguard workers who may lack specialized electrical training but work near energized systems. According to the Electrical Safety Foundation International's "Workplace Safety Statistics" from February 2025, 74 percent of workplace electrical fatalities involved non-electrical occupations, a figure that has hastened the demand for comprehensive safety-by-design features in modern units.

Concurrently, there is a distinct movement toward Modular and Scalable MCC Designs, catering to the need for operational flexibility in rapidly growing sectors such as data centers and renewable energy. In contrast to traditional static installations, these modular systems employ plug-and-play components and adaptable bus architectures, enabling facilities to swiftly increase capacity or reorganize production lines with minimal disruption. This necessity for speed and adaptability is prompting significant manufacturing investments to shorten lead times. For instance, ABB announced in a September 2025 press release a US$ 110 million investment to boost its electrification production capacity in the United States, specifically targeting the surging demand from data centers and grid modernization initiatives.

Key Market Players

Schneider Electric SE

Siemens AG

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ABB Ltd

Eaton Corporation plc

General Electric Company

Mitsubishi Electric Corporation

Rockwell Automation Inc

WEG Industries

Fuji Electric Co., Ltd

Gemco Controls

Report Scope

In this report, the Global Motor Control Centers Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Motor Control Centers Market, By Type

Conventional Motor Control Centers

Intelligent Motor Control Centers

Motor Control Centers Market, By Voltage

Low voltage

Medium voltage

Motor Control Centers Market, By Component

Busbars

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  - India
  - Japan
  - Australia
  - South Korea
- South America
  - Brazil
  - Argentina
  - Colombia
- Middle East & Africa
  - South Africa
  - Saudi Arabia
  - UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Motor Control Centers Market.

Available Customizations:

Global Motor Control Centers Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following

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customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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