

# Global Mining Equipment Condition Monitoring System Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Mining Equipment Condition Monitoring System market size was valued at US\$ 560 million in 2025 and is forecast to a readjusted size of US\$ 831 million by 2032 with a CAGR of 5.6% during review period.

The Mining Equipment Condition Monitoring System utilizes IoT sensors, data acquisition, and predictive analytics to collect and intelligently analyze real-time operating parameters, vibrations, temperatures, and oil levels of heavy mining machinery (such as electric shovels, trucks, crushers, and conveyors). By establishing a 'digital twin' health model for the equipment, it transforms traditional maintenance based on fixed cycles or post-failure repairs into predictive maintenance based on the actual condition of the equipment. This system fundamentally addresses the challenges of production interruptions, high maintenance costs, and safety risks caused by sudden shutdowns of critical equipment in the mining industry. It can accurately predict potential faults, optimize maintenance plans, extend equipment lifespan, and directly improve equipment availability and overall mine operational efficiency. It is a key technological pillar for achieving smart mines and safe, efficient production.

The Mining Equipment Condition Monitoring System (MEMS) industry chain is clear: upstream are technology providers (such as NI and ABB) offering sensors, industrial gateways, analytical algorithms, and cloud platforms; downstream are mining companies that directly apply the technology and third-party maintenance providers offering services. Global prices vary significantly, with solutions for a single unit costing approximately \$10,000 to \$50,000, while integrated systems for the entire mine can exceed one million US dollars. Costs are highly concentrated in specialized sensors and

edge hardware, customized algorithm development and model training, and deployment and debugging in harsh environments such as high-altitude and dusty conditions. The industry has high gross margins, with standardized hardware and software combinations ranging from approximately 40% to 60%, while deeply customized integrated projects, due to high implementation costs, have gross margins of approximately 20% to 35%. Profitability relies primarily on technological barriers, a deep understanding of the mining industry, and the ability to expand into value-added services such as predictive maintenance and spare parts management.

This report is a detailed and comprehensive analysis for global Mining Equipment Condition Monitoring System market. Both quantitative and qualitative analyses are presented by company, 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 Mining Equipment Condition Monitoring System market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Mining Equipment Condition Monitoring System market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Mining Equipment Condition Monitoring System market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Mining Equipment Condition Monitoring System market shares of main players, in revenue (\$ Million), 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 Mining Equipment Condition Monitoring System
- 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 Mining Equipment Condition Monitoring System market based on the following parameters - company overview, revenue, gross

margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, Baker Hughes, Emerson, Weir Group, Hongdian Corporation, Komatsu, MC-monitoring, Metso, Poseidon, Samotics, etc.

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

## **Market segmentation**

Mining Equipment Condition Monitoring System 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. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Vibration and Noise Monitoring System

Thermal Imaging and Temperature Monitoring System

Oil and Abrasive Monitoring System

Operating Condition and Performance Parameter Monitoring System

Structural Health and Stress Monitoring System

Others

### Market segment by Deployment

Fixed Monitoring System

Wireless Monitoring System

Mobile Ad Hoc Network Monitoring System

Edge Computing Monitoring System

Others

#### Market segment by Function

Real-Time Monitoring and Alarm System

Diagnostic and Fault Location System

Predictive Maintenance System

Remaining Life Prediction System

Others

#### Market segment by Application

Open-Pit Mining

Underground Mining

#### Market segment by players, this report covers

ABB

Baker Hughes

Emerson

Weir Group

Hongdian Corporation

Komatsu

MC-monitoring

Metso

Poseidon

Samotics

Sandvik Mining and Rock Technology

Transmission Dynamics

Waites

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe Mining Equipment Condition Monitoring System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Mining Equipment Condition Monitoring System, with revenue, gross margin, and global market share of Mining Equipment Condition Monitoring System from 2021 to 2026.

Chapter 3, the Mining Equipment Condition Monitoring System competitive situation, revenue, and global market share of top players are analyzed emphatically by

landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Mining Equipment Condition Monitoring System market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Mining Equipment Condition Monitoring System.

Chapter 13, to describe Mining Equipment Condition Monitoring System research findings and conclusion.

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