

# Machine Condition Monitoring - Global Market Outlook (2020-2028)

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## Abstracts

According to Statistics MRC, the Global Machine Condition Monitoring Market is accounted for \$2.44 billion in 2020 and is expected to reach \$4.85 billion by 2028 growing at a CAGR of 9.0% during the forecast period. Increasing adoption of wireless communication technology, deployment of automated condition monitoring technologies in smart factories and preference toward predictive maintenance of industrial machinery are driving the market growth. However, lack of trained technical resources for data analysis and reliability issues in prediction capabilities are hampering the growth of the market.

Machine condition monitoring is a process of monitoring the condition of a machine, intent to predict mechanical wear and failure. This monitoring system is one of the finest methods of maintenance in order to meet up the necessities of production. This system provides an early warning system for the machines to detect damage in correct time and helps to prevent further consequential damage. It offers conditions of machinery which make certain about the right maintenance provided and at the right time.

Based on the monitoring process, the online condition monitoring segment is going to have lucrative growth during the forecast period as it is an advanced monitoring process and provides real-time plant data to operators, resulting in its higher adoption. Online vibration monitoring systems have applications in industries where a 24-hour production is required. By geography, North America is going to have high growth during the forecast period owing to the implementation of automation technologies in the factories and penetration of the smart factories, increasing expansions of the manufacturing industries in Canada and the rise in the expansion of production plants with automation.

Some of the key players profiled in the Machine Condition Monitoring Market include

General Electric Co., Thermo Fisher Scientific Inc., SKF AB, Rockwell Automation Inc., Perkin Elmer Inc., Azima DLI Corporation, Nippon Avionics Co., Ltd., Fluke Corporation, Meggitt Sensing Systems (Meggitt PLC), Honeywell International Inc., GE Bently Nevada, AMETEK Spectro Scientific, Parker Kittiwake (PARKER HANNIFIN CORP.), Gastops Ltd, FLIR Systems Inc., Emerson Electric Co., Bruel & Kjaer Vibro and National Instruments Corp.

#### Monitoring Techniques Covered:

Vibration Monitoring

Ultrasound Emission

Motor Current Analysis

Lubricating Oil Analysis

Infrared Thermography

Corrosion Monitoring

Acoustic Emission

#### Offerings Covered:

Software

Hardware

Services

#### Deployment Types Covered:

On-premises

Cloud

**Monitoring Processes Covered:**

Portable Condition Monitoring

Online Condition Monitoring

**End Users Covered:**

Steel, Metals and Mining

Pharmaceutical

Oil &amp; Gas

Marine

Aerospace &amp; Defense

Food &amp; Beverages

Energy and Power Generation

Construction

Manufacturing

Automotive

Chemicals

Other End Users

**Regions Covered:**

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

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Covers Market data for the years 2019, 2020, 2021, 2025 and 2028

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Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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