

# Vibration Monitoring - Global Market Outlook (2017-2023)

<https://marketpublishers.com/r/V351C47D0CAEN.html>

Date: August 2017

Pages: 152

Price: US\$ 4,150.00 (Single User License)

ID: V351C47D0CAEN

## Abstracts

According to Statistics MRC, the Global Vibration Monitoring Market is accounted for \$1.12 billion in 2016 and is expected to reach \$1.90 billion by 2023 growing at a CAGR of 7.8% during the forecast period. Some of the driving factors such as growing demand for vibration monitoring through wireless systems, infiltration of smart factory, rising demand for applications and increasing awareness towards predictive maintenance are contributing for the market growth. On the contrary, unnecessary cost of maintenance and extra cost of retrofitting vibration monitoring solutions on existing machinery are some restraints hampering the market. Vibration monitoring systems are used for reducing the price of operation by maintenance cost and reducing the occurrences of unexpected outages. The usage of this equipment is growing at a wide range in various industrial applications owing to its capability to identify potential failures in advance of any machinery.

Based on system type, embedded systems segment is anticipated to grow at a highest CAGR during the forecast period owing to increasing recognition for embedded systems in various industries for their capabilities and advantages.

Depending on product, online vibration monitor segment held a larger share and is widely used in crucial plants that work constantly and are highly prone to defects. On the other hand, the major factors driving the portable devices include lesser investments and nature of mobile systems than that for the non-portable monitors.

By geography, North America commanded the largest market share due to increasing penetration of smart manufacturing in several industries which created a heavy demand for vibration monitor in this region.

Some of the key players in this market include Vibrosystem Inc., STI Vibration Monitoring Inc., SKF Ab, Schaeffler Technologies Ag & Co. Kg, Pruftechnik Dieter Busch Ag., Omron Corporation, Mistras Group Inc., Meggitt Plc, Honeywell International Inc., General Electric, Emerson Electric Co., Bruel & Kjaer Sound & Vibration, Measurement A/S, Analog Devices Inc., Te Connectivity Ltd., SPM Instrument Ab, Shinkawa Electric Co. Ltd., Rockwell Automation Inc., Pce Instruments Uk Ltd., National Instruments Corporation and Metrix Instrument Co. Lp.

#### System Types Covered:

Vibration Meters

Embedded Systems

Vibration Analyzers

#### Offerings Covered:

Software

Hardware

Services

#### Products Covered:

Non-Portable Devices

Portable Devices

Online Vibration Monitor

Other Products

#### End Users Covered:

Pulp and Paper

Food and Beverages

Automotive

Metals and Mining

Oil and Gas

Marine

Aerospace and Defense

Chemicals

Energy and Power

Semiconductor and Electronics

Cement

Railways

Other End Users

#### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

U.K.

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

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Product Analysis
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Futuristic Market Scenario

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

## **5 GLOBAL VIBRATION MONITORING MARKET, BY SYSTEM TYPE**

- 5.1 Introduction
- 5.2 Vibration Meters
- 5.3 Embedded Systems
- 5.4 Vibration Analyzers

## **6 GLOBAL VIBRATION MONITORING MARKET, BY OFFERING**

- 6.1 Introduction
- 6.2 Software
  - 6.2.1 Parameter Calculation
  - 6.2.2 Data Integration
  - 6.2.3 Diagnostic Reporting
- 6.3 Hardware
  - 6.3.1 Transmitters
  - 6.3.2 Proximity Probes
  - 6.3.3 Velocity Sensors
  - 6.3.4 Accelerometers
  - 6.3.5 Other Hardwares
- 6.4 Services

## **7 GLOBAL VIBRATION MONITORING MARKET, BY PRODUCT**

- 7.1 Introduction
- 7.2 Non-Portable Devices
- 7.3 Portable Devices
- 7.4 Online Vibration Monitor
- 7.5 Other Products

## **8 GLOBAL VIBRATION MONITORING MARKET, BY END USER**

- 8.1 Introduction
- 8.2 Pulp and Paper
- 8.3 Food and Beverages
- 8.4 Automotive
- 8.5 Metals and Mining
- 8.6 Oil and Gas
- 8.7 Marine

- 8.8 Aerospace and Defense
- 8.9 Chemicals
- 8.10 Energy and Power
- 8.11 Semiconductor and Electronics
- 8.12 Cement
- 8.13 Railways
- 8.14 Other End Users

## **9 GLOBAL VIBRATION MONITORING MARKET, BY GEOGRAPHY**

- 9.1 Introduction
- 9.2 North America
  - 9.2.1 US
  - 9.2.2 Canada
  - 9.2.3 Mexico
- 9.3 Europe
  - 9.3.1 Germany
  - 9.3.2 U.K.
  - 9.3.3 Italy
  - 9.3.4 France
  - 9.3.5 Spain
  - 9.3.6 Rest of Europe
- 9.4 Asia Pacific
  - 9.4.1 Japan
  - 9.4.2 China
  - 9.4.3 India
  - 9.4.4 Australia
  - 9.4.5 New Zealand
  - 9.4.6 South Korea
  - 9.4.7 Rest of Asia Pacific
- 9.5 South America
  - 9.5.1 Argentina
  - 9.5.2 Brazil
  - 9.5.3 Chile
  - 9.5.4 Rest of South America
- 9.6 Middle East & Africa
  - 9.6.1 Saudi Arabia
  - 9.6.2 UAE
  - 9.6.3 Qatar



9.6.4 South Africa

9.6.5 Rest of Middle East & Africa

## **10 KEY DEVELOPMENTS**

10.1 Agreements, Partnerships, Collaborations and Joint Ventures

10.2 Acquisitions & Mergers

10.3 New Product Launch

10.4 Expansions

10.5 Other Key Strategies

## **11 COMPANY PROFILING**

11.1 Vibrosystem Inc.

11.2 STI Vibration Monitoring Inc.

11.3 SKF Ab

11.4 Schaeffler Technologies Ag & Co. Kg

11.5 Pruftechnik Dieter Busch Ag.

11.6 Omron Corporation

11.7 Mistras Group Inc.

11.8 Meggitt Plc

11.9 Honeywell International Inc.

11.10 General Electric

11.11 Emerson Electric Co.

11.12 Bruel & Kjaer Sound & Vibration Measurement A/S

11.13 Analog Devices Inc.

11.14 Te Connectivity Ltd.

11.15 SPM Instrument Ab

11.16 Shinkawa Electric Co. Ltd.

11.17 Rockwell Automation Inc.

11.18 Pce Instruments Uk Ltd.

11.19 National Instruments Corporation

11.20 Metrix Instrument Co. Lp.

## List Of Tables

### LIST OF TABLES

Table 1 Global Vibration Monitoring Market Outlook, By Region (2014-2023) (\$MN)

Table 2 Global Vibration Monitoring Market Outlook, By System Type (2014-2023) (\$MN)

Table 3 Global Vibration Monitoring Market Outlook, By Vibration Meters (2014-2023) (\$MN)

Table 4 Global Vibration Monitoring Market Outlook, By Embedded Systems (2014-2023) (\$MN)

Table 5 Global Vibration Monitoring Market Outlook, By Vibration Analyzers (2014-2023) (\$MN)

Table 6 Global Vibration Monitoring Market Outlook, By Offering (2014-2023) (\$MN)

Table 7 Global Vibration Monitoring Market Outlook, By Software (2014-2023) (\$MN)

Table 8 Global Vibration Monitoring Market Outlook, By Parameter Calculation (2014-2023) (\$MN)

Table 9 Global Vibration Monitoring Market Outlook, By Data Integration (2014-2023) (\$MN)

Table 10 Global Vibration Monitoring Market Outlook, By Diagnostic Reporting (2014-2023) (\$MN)

Table 11 Global Vibration Monitoring Market Outlook, By Hardware (2014-2023) (\$MN)

Table 12 Global Vibration Monitoring Market Outlook, By Transmitters (2014-2023) (\$MN)

Table 13 Global Vibration Monitoring Market Outlook, By Proximity Probes (2014-2023) (\$MN)

Table 14 Global Vibration Monitoring Market Outlook, By Velocity Sensors (2014-2023) (\$MN)

Table 15 Global Vibration Monitoring Market Outlook, By Accelerometers (2014-2023) (\$MN)

Table 16 Global Vibration Monitoring Market Outlook, By Other Hardwares (2014-2023) (\$MN)

Table 17 Global Vibration Monitoring Market Outlook, By Services (2014-2023) (\$MN)

Table 18 Global Vibration Monitoring Market Outlook, By Product (2014-2023) (\$MN)

Table 19 Global Vibration Monitoring Market Outlook, By Non-Portable Devices (2014-2023) (\$MN)

Table 20 Global Vibration Monitoring Market Outlook, By Portable Devices (2014-2023) (\$MN)

Table 21 Global Vibration Monitoring Market Outlook, By Online Vibration Monitor

(2014-2023) (\$MN)

Table 22 Global Vibration Monitoring Market Outlook, By Other Products (2014-2023) (\$MN)

Table 23 Global Vibration Monitoring Market Outlook, By End User (2014-2023) (\$MN)

Table 24 Global Vibration Monitoring Market Outlook, By Pulp and Paper (2014-2023) (\$MN)

Table 25 Global Vibration Monitoring Market Outlook, By Food and Beverages (2014-2023) (\$MN)

Table 26 Global Vibration Monitoring Market Outlook, By Automotive (2014-2023) (\$MN)

Table 27 Global Vibration Monitoring Market Outlook, By Metals and Mining (2014-2023) (\$MN)

Table 28 Global Vibration Monitoring Market Outlook, By Oil and Gas (2014-2023) (\$MN)

Table 29 Global Vibration Monitoring Market Outlook, By Marine (2014-2023) (\$MN)

Table 30 Global Vibration Monitoring Market Outlook, By Aerospace and Defense (2014-2023) (\$MN)

Table 31 Global Vibration Monitoring Market Outlook, By Chemicals (2014-2023) (\$MN)

Table 32 Global Vibration Monitoring Market Outlook, By Energy and Power (2014-2023) (\$MN)

Table 33 Global Vibration Monitoring Market Outlook, By Semiconductor and Electronics (2014-2023) (\$MN)

Table 34 Global Vibration Monitoring Market Outlook, By Cement (2014-2023) (\$MN)

Table 35 Global Vibration Monitoring Market Outlook, By Railways (2014-2023) (\$MN)

Table 36 Global Vibration Monitoring Market Outlook, By Other End Users (2014-2023) (\$MN)

Note: Tables for North America, Europe, APAC, South America and Middle East & Africa Regions are also represented in the same manner as above

## I would like to order

Product name: Vibration Monitoring - Global Market Outlook (2017-2023)

Product link: <https://marketpublishers.com/r/V351C47D0CAEN.html>

Price: US\$ 4,150.00 (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/V351C47D0CAEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970