

# Global Predictive Maintenance (PDM) for Semiconductor Manufacturing Market Growth (Status and Outlook) 2022-2028

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## Abstracts

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Predictive Maintenance then becomes a strategic initiative in a highly complex, automated semiconductor fab. For a semiconductor plant, predictive maintenance is crucial to the operation. Predictive Maintenance allows process owners and maintenance personnel to proactively detect equipment-related issues before there is a breakdown. Production and schedule adherence are protected, and unplanned stoppages avoided.

The global market for Predictive Maintenance (PDM) for Semiconductor Manufacturing is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC Predictive Maintenance (PDM) for Semiconductor Manufacturing market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States Predictive Maintenance (PDM) for Semiconductor Manufacturing market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe Predictive Maintenance (PDM) for Semiconductor Manufacturing market is

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expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China Predictive Maintenance (PDM) for Semiconductor Manufacturing market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key Predictive Maintenance (PDM) for Semiconductor Manufacturing players cover Hitachi, IKAS, ABB, Lotusworks and Kyma Technologies, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

#### **Report Coverage**

This latest report provides a deep insight into the global Predictive Maintenance (PDM) for Semiconductor Manufacturing market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global Predictive Maintenance (PDM) for Semiconductor Manufacturing market, with both quantitative and qualitative data, to help readers understand how the Predictive Maintenance (PDM) for Semiconductor Manufacturing market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions.

Market Segmentation:

The study segments the Predictive Maintenance (PDM) for Semiconductor Manufacturing market and forecasts the market size by Type (Wafer Manufacturing Equipment, Wafer Processing Equipment and Testing Equipment), by Application (IDM and Foundry.), and region (APAC, Americas, Europe, and Middle East & Africa).

Segmentation by type

Wafer Manufacturing Equipment



#### Wafer Processing Equipment

**Testing Equipment** 

Assembling and Packaging Equipment

#### Segmentation by application

IDM

Foundry

Segmentation by region

Americas

**United States** 

Canada

Mexico

Brazil

#### APAC

China

Japan

Korea

Southeast Asia

India



#### Australia

Europe

Germany

France

UK

Italy

Russia

#### Middle East & Africa

Egypt

South Africa

Israel

Turkey

**GCC** Countries

Major companies covered

Hitachi

IKAS

ABB

Lotusworks

Kyma Technologies



Ebara

GEMBO

**Optimum Data Analytics** 

Falkonry

Predictronics

Azbil

Therma

**Chapter Introduction** 

Chapter 1: Scope of Predictive Maintenance (PDM) for Semiconductor Manufacturing, Research Methodology, etc.

Chapter 2: Executive Summary, global Predictive Maintenance (PDM) for Semiconductor Manufacturing market size and CAGR, Predictive Maintenance (PDM) for Semiconductor Manufacturing market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: Predictive Maintenance (PDM) for Semiconductor Manufacturing revenue, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global Predictive Maintenance (PDM) for Semiconductor Manufacturing revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, revenue segment by country, by type, and application.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace



Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global Predictive Maintenance (PDM) for Semiconductor Manufacturing market size forecast by region, by country, by type, and application

Chapter 13: Comprehensive company profiles of the leading players, including Hitachi, IKAS, ABB, Lotusworks, Kyma Technologies, Ebara, GEMBO, Optimum Data Analytics and Falkonry, etc.

Chapter 14: Research Findings and Conclusion



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