

# **Global Positive Material Identification (PMI) Market 2018 by Manufacturers, Countries, Type and Application, Forecast to 2023**

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## **Abstracts**

Positive Material Identification (PMI) is the analysis of a metallic alloy to establish composition by reading the quantities by percentage of its constituent elements.

### **SCOPE OF THE REPORT:**

This report studies the Positive Material Identification (PMI) market status and outlook of Global and major regions, from angles of players, countries, product types and end industries; this report analyzes the top players in global market, and splits the Positive Material Identification (PMI) market by product type and applications/end industries. In terms of regions, Asia Pacific (APAC) accounted for the largest share of the PMI market in 2017. Countries in APAC are involved in the manufacturing of defense aircraft, which is expected to increase the adoption of PMI methods in the aerospace and defense industry. Many infrastructural development projects are under construction in this region and are scheduled to be completed during 2018–2023. The demand for automobiles in this region is estimated to grow by 2023, which would result in the need to increase the manufacturing of vehicles.

The oil and gas industry held the largest share of the PMI market in 2017. In the oil and gas industry, the prevention of the release of highly hazardous chemicals and toxic substances is of prime importance. Moreover, incurable accidents and damages, pipe leakages, premature pipe replacements, property damage, and unplanned outages at sites (such as refineries, chemical plants, and gas processing facilities) are some of the major issues faced by these facilities. These issues arise as a consequence of the use of faulty or forged metal building components, sulfidic deterioration of piping and critical equipment, or use of materials that do not meet the required specifications. PMI analyzers assist in checking the necessary parameters of these components and piping.

Thus, the demand for these analyzers is likely to increase in the oil and gas industry.

The global Positive Material Identification (PMI) market is valued at xx million USD in 2017 and is expected to reach xx million USD by the end of 2023, growing at a CAGR of xx% between 2017 and 2023.

The Asia-Pacific will occupy for more market share in following years, especially in China, also fast growing India and Southeast Asia regions.

North America, especially The United States, will still play an important role which cannot be ignored. Any changes from United States might affect the development trend of Positive Material Identification (PMI).

Europe also play important roles in global market, with market size of xx million USD in 2017 and will be xx million USD in 2023, with a CAGR of xx%.

Market Segment by Companies, this report covers

Olympus

Thermo Fisher

Bruker

Hitachi

Ametek

Shimadzu

Panalytical

SGS

Bureau Veritas

Intertek

TUV SUD

Element Materials Technology

TUV Rheinland

Applus

TUV Nord

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Argentina, Colombia)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

X-Ray Fluorescence (XRF)

Optical Emission Spectrometry (OES)

Market Segment by Applications, can be divided into

Oil & Gas

Metals & Heavy Machinery

Aerospace & Defense

Automotive

Chemicals

Infrastructure

Pharmaceutical

Power Generation

Scrap Recycling

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