

## **Particle Counter Market Report and Forecast 2025-2034**

Market Report | 2025-07-28 | 168 pages | EMR Inc.

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### **Report description:**

The global particle counter market attained a value of about USD 459.58 Million in 2024. The market is further expected to grow in the forecast period of 2025-2034 at a CAGR of 9.80% to reach nearly USD 1170.54 Million by 2034.

#### **Robust Growth of the Airborne Particle Counters Segment to Bolster the Growth of the Particle Counter Industry**

Based on product type, the airborne particle counters segment accounts for a considerable share in the market and is anticipated to grow robustly in the forecast period. As airborne particle counters can efficiently detect signs of air contamination, their demand in cleanroom applications is significantly growing. The growing availability and cost-effectiveness of portable airborne particle counters that can future-proof contamination control are anticipated to bolster the industry growth. Meanwhile, the liquid particle counters segment is anticipated to witness a steady growth owing to the robust growth of the pharmaceuticals industry in the forecast period.

#### **North America Accounts for a Significant Share in the Market for Particle Counter**

The particle counter industry in North America is being driven by the surging investments in cleanroom technology in the region. Technological advancements and the introduction of various stringent government regulations to prevent contamination in cleanrooms are fuelling the market growth. The market in the region is further anticipated to be aided by the growing demand for testing in the food and beverage and pharmaceutical sectors, which is surging the utilisation of particle counter. Moreover, the growing concerns regarding environmental monitoring and food safety owing to the rising cases of airborne diseases in the region is projected to provide impetus to the industry growth in upcoming years.

#### **Particle Counter: Market Segmentation**

A particle counter is referred to a device that detects and counts physical particles present in both air and liquid. It plays a crucial role in monitoring, classifying, and diagnosing the source and complexion of contaminants in cleanroom operations. Particle

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counters find their applications in various end use industries such as pharmaceuticals, semiconductors, and medical, among others.

Based on product, the market is segmented into:

- Airborne Particle Counters
- Liquid Particle Counters
- Others

The significant applications of the product include:

- Cleanroom Monitoring
- Contamination Monitoring of Liquids
- Aerosol Monitoring and Research

The market segmentation, on the basis of modality, include:

- Handheld
- Portable
- Remote

On the basis of technology, the market is bifurcated into:

- Online Particle Counters
- Offline Particle Counters

The major end-users of the product include:

- Lifesciences and Medical Device Industry
- Semiconductor Industry
- Automotive Industry
- Aerospace Industry
- Food and Beverage Industry
- Others

The EMR report looks into the regional markets of particle counter like:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Rising Demand for Particle Counter in the Medical Industry to Drive the Market Growth

The industry is being driven by the rising demand for particle counter to detect impurities in compounds in the medical industry. With the increasing manufacturing of medical devices, the demand for particle counter to ensure compliance with regulatory

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standards regarding safety is significantly surging. The market is also anticipated to be aided by the introduction of several stringent government regulations pertaining to the quality of air in the pharmaceutical and medical industries.

In addition, the rising demand for particle counter from hospitals, speciality centres, ambulatory surgical centres, and diagnostic centres, is projected to bolster the market growth in the forecast period. As the demand for particle counter from various end-use industries such as life sciences, semiconductors and automotive, among others, is witnessing a surge, the market is poised to grow robustly in the coming years.

#### Key Industry Players in the Global Particle Counter Market

The report gives a detailed analysis of the following key players in the global particle counter market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Merck KGaA
- Beckman Coulter, Inc.
- Markus Klotz GmbH
- PAMAS - Partikelmess- und Analysesysteme GmbH
- RION Co., Ltd
- Particle Measuring Systems, Inc.
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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