

# Global Optical Particle Counter Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Optical Particle Counter market size is expected to reach \$ 331 million by 2032, rising at a market growth of 5.7% CAGR during the forecast period (2026-2032).

An Optical Particle Counter (OPC) is an instrument used to detect and measure the concentration and size distribution of airborne or liquid particles by using light scattering technology. When particles pass through a laser beam inside the device, they scatter light, and the scattered light signal is detected and analyzed to determine the number and size of particles. Optical particle counters are widely used in cleanrooms, semiconductor manufacturing, pharmaceutical production, air quality monitoring, and environmental testing to ensure contamination control and maintain strict cleanliness standards. In 2025, global Optical Particle Counter production reached approximately 56.4 k unit, with an average global market price of around 3700 USD/unit. The production capacity for Optical Particle Counter in 2025 was approximately 60 k units. The typical gross profit margin for Optical Particle Counter between 20% and 40%.

This report studies the global Optical Particle Counter production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Optical Particle Counter and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Optical Particle Counter that contribute to its increasing demand across many markets.

### Highlights and key features of the study

Global Optical Particle Counter total production and demand, 2021-2032, (K Units)

Global Optical Particle Counter total production value, 2021-2032, (USD Million)  
Global Optical Particle Counter production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)  
Global Optical Particle Counter consumption by region & country, CAGR, 2021-2032 & (K Units)  
U.S. VS China: Optical Particle Counter domestic production, consumption, key domestic manufacturers and share  
Global Optical Particle Counter production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)  
Global Optical Particle Counter production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)  
Global Optical Particle Counter production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Optical Particle Counter market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include TSI, Particle Measuring Systems (PMS), RION, Beckman Coulter, GRIMM Aerosol (DURAG), HORIBA, STAUFF, TROTEC, Climet Instruments, TES Electrical Electronic, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Optical Particle Counter market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Optical Particle Counter Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Optical Particle Counter Market, Segmentation by Type:

Hand-held Counter

Fixed Counter

#### Global Optical Particle Counter Market, Segmentation by Detection Medium:

Airborne Particle Counter

Liquid Particle Counter

Surface Particle Counter

#### Global Optical Particle Counter Market, Segmentation by Application:

Electronics Manufacturing

Pharmaceutical

Food and Beverage

Others

Companies Profiled:

TSI

Particle Measuring Systems (PMS)

RION

Beckman Coulter

GRIMM Aerosol (DURAG)

HORIBA

STAUFF

TROTEC

Climet Instruments

TES Electrical Electronic

Kanomax

Met One Instruments

Lighthouse Worldwide Solutions

PAMAS

Chemtrac

Topas GmbH

Aeroqual

Hach

Cubic Sensor and Instrument

**Key Questions Answered:**

1. How big is the global Optical Particle Counter market?
2. What is the demand of the global Optical Particle Counter market?
3. What is the year over year growth of the global Optical Particle Counter market?
4. What is the production and production value of the global Optical Particle Counter market?
5. Who are the key producers in the global Optical Particle Counter market?
6. What are the growth factors driving the market demand?

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