

# Global Gunpowder Particle Detection Kit Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Gunpowder Particle Detection Kit market size is expected to reach \$ 69.83 million by 2032, rising at a market growth of 5.0% CAGR during the forecast period (2026-2032).

In 2025, global Gunpowder Particle Detection Kit production reached approximately 400 K units, with an average global market price of around 120 USD/unit.

A Gunpowder Particle Detection Kit is a forensic and security tool specifically designed to identify and detect trace amounts of gunpowder residue. It comprises chemical reagents, collection tools, and detection equipment that trigger specific reactions (such as color changes or fluorescence) upon contact with gunpowder particles. Meeting stringent forensic and security standards, the kit offers extremely high sensitivity and reliability, enabling rapid or accurate detection in a variety of situations, providing crucial evidence or security alerts related to firearms use.

Driven by increasingly stringent public safety regulations, a rise in gun-related crimes, and growing demand for security checks at key locations, global demand for gunpowder particle detection kits continues to rise. These kits are indispensable to law enforcement agencies, forensic laboratories, military units, and security organizations, with a growing need for portable, rapid, and highly sensitive products. This trend creates significant business opportunities for manufacturers, including establishing OEM supply chain partnerships with public safety and forensic institutions, developing and producing high-performance portable kits, expanding into emerging markets to meet increasingly stringent security requirements, and meeting the ongoing aftermarket demand for reagent replacements and kit upgrades.

This report studies the global Gunpowder Particle Detection Kit production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Gunpowder Particle Detection Kit 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 Gunpowder Particle Detection Kit that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Gunpowder Particle Detection Kit total production and demand, 2021-2032, (K Units)

Global Gunpowder Particle Detection Kit total production value, 2021-2032, (USD Million)

Global Gunpowder Particle Detection Kit production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Gunpowder Particle Detection Kit consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Gunpowder Particle Detection Kit domestic production, consumption, key domestic manufacturers and share

Global Gunpowder Particle Detection Kit production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Gunpowder Particle Detection Kit production by Detection Principle, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Gunpowder Particle Detection Kit production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Gunpowder Particle Detection Kit 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 Sirchie, Lynn Peavey Company, Tri Tech Forensics, IDenta, Electron Microscopy Sciences (EMS), Microtrace, 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 Gunpowder Particle Detection Kit 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 Detection Principle, 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 Gunpowder Particle Detection Kit Market, By Region:**

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

**Global Gunpowder Particle Detection Kit Market, Segmentation by Detection Principle:**

Chemical-Based Detection Kit

Fluorescence-Based Detection Kit

Elemental Analysis Detection Kit

**Global Gunpowder Particle Detection Kit Market, Segmentation by Portability:**

Portable Field Detection Kit

Laboratory Detection Kit

Handheld Detection Kit

Global Gunpowder Particle Detection Kit Market, Segmentation by Sensitivity Level:

High-Sensitivity Detection Kit

Medium-Sensitivity Detection Kits

Basic Sensitivity Detection Kits

Global Gunpowder Particle Detection Kit Market, Segmentation by Application:

Law Enforcement

Forensic Science

Military and Defense

Education and Training

Companies Profiled:

Sirchie

Lynn Peavey Company

Tri Tech Forensics

IDenta

Electron Microscopy Sciences (EMS)

Microtrace

**Key Questions Answered:**

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

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