

# Global PGNAA Elemental Analyzer Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global PGNAA Elemental Analyzer market size is expected to reach \$ 123 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

PGNAA (Neutral Activated Instantaneous Gamma Analysis) elemental analyzers are non-destructive testing instruments that utilize neutron activation to determine the elemental composition of materials. By detecting the instantaneous gamma rays emitted during the interaction of neutrons with the sample, this analyzer can perform rapid, multi-element analysis of solids, liquids, and powders. It is widely used in the mining, metallurgy, cement, coal, and chemical industries for quality control, production process optimization, and compliance with regulatory requirements. The PGNAA elemental analyzer industry chain includes upstream neutron sources, gamma detectors, electronic components, protective materials, and precision mechanical parts; midstream manufacturers integrate neutron generation, detection systems, data acquisition hardware, and analysis software into complete analyzers; downstream applications cover mines, metallurgical plants, cement and coal industries, chemical production, and research institutions, providing installation, commissioning, method development, training, and maintenance services to ensure operational safety, measurement accuracy, and system reliability. In 2025, the global production of PGNAA elemental analyzers was approximately 200 units, with a global average market price of approximately US\$425,000 per unit. The gross profit margin of major companies in the industry is between 40% and 60%. In 2025, the global production capacity of PGNAA elemental analyzers will be approximately 300 units.

This report studies the global PGNAA Elemental Analyzer production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PGNAA Elemental Analyzer 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 PGNAA Elemental Analyzer that contribute to its increasing demand across many markets.

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

Global PGNAA Elemental Analyzer total production and demand, 2021-2032, (Units)

Global PGNAA Elemental Analyzer total production value, 2021-2032, (USD Million)

Global PGNAA Elemental Analyzer production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global PGNAA Elemental Analyzer consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: PGNAA Elemental Analyzer domestic production, consumption, key domestic manufacturers and share

Global PGNAA Elemental Analyzer production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global PGNAA Elemental Analyzer production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global PGNAA Elemental Analyzer production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global PGNAA Elemental Analyzer 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 Thermo Fisher Scientific, Energy Technologies Inc., Scantech International, RTI, SABIA, Kanawha Scales & Systems, Inc., 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 PGNAA Elemental Analyzer market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (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 PGNAA Elemental Analyzer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global PGNAA Elemental Analyzer Market, Segmentation by Type:

Isotopic Neutron Source PGNAA

Electronic Accelerator Neutron Source PGNAA

#### Global PGNAA Elemental Analyzer Market, Segmentation by Sample Type:

Coal & Coal Blends

Ores & Minerals

Industrial Raw Materials

Chemical & Fertilizer Samples

## Global PGNAA Elemental Analyzer Market, Segmentation by Application:

On-belt / Online Coal Analysis

Laboratory Material Characterization

Industrial Process Control

Environmental & Quality Compliance Monitoring

## Companies Profiled:

Thermo Fisher Scientific

Energy Technologies Inc.

Scantech International

RTI

SABIA

Kanawha Scales & Systems, Inc.

## Key Questions Answered:

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

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