

# Global Neutron Detectors Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Neutron Detectors market size is expected to reach \$ 242.6 million by 2029, rising at a market growth of 7.7% CAGR during the forecast period (2023-2029).

The global top three neutron detector manufacturers include Photonis, Arktis Radiation Detectors, Thermo-Fisher Scientific, with a total market share of more than 45%, of which the largest manufacturer is Photonis, with a market share of more than 20%. The Americas is the global leading consumer market for neutron detectors, with a market share of over 35%. In terms of type, gas proportional detectors have a market share of over 84%. In the application field, the market share of the homeland security field accounts for more than 60%.

Neutron detectors consist of materials that interact with neutrons. Although the principle reaction mechanisms of neutrons with matter are limited, the options for detection media are quite numerous. Detectors can consist of solid, liquid, or gas-filled media. Beside the detection mechanism, there is one major challenge for all types of neutron detectors. They all need to be insensible to gamma ray emission or at least require an implemented technique to discriminate between neutron and background gamma ray events, as neutron detection often takes place in a mixed radiation field.

This report studies the global Neutron Detectors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Neutron Detectors, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Neutron Detectors that contribute to

its increasing demand across many markets.

Highlights and key features of the study

Global Neutron Detectors total production and demand, 2018-2029, (Units)

Global Neutron Detectors total production value, 2018-2029, (USD Million)

Global Neutron Detectors production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Neutron Detectors consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Neutron Detectors domestic production, consumption, key domestic manufacturers and share

Global Neutron Detectors production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global Neutron Detectors production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Neutron Detectors production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global Neutron Detectors 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 Photonis, Arktis Radiation Detectors, Thermo-Fisher Scientific, Mirion Technologies, LND, ORDELA, Kromek Group, Silverside Detectors and Scientifica International, 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 Neutron Detectors market.

## Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

## Global Neutron Detectors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Neutron Detectors Market, Segmentation by Type

Gas Proportional Detectors

Scintillation Detectors

Other

## Global Neutron Detectors Market, Segmentation by Application

Homeland Security

Scientific Research

Industrial Application

#### Companies Profiled:

Photonis

Arktis Radiation Detectors

Thermo-Fisher Scientific

Mirion Technologies

LND

ORDELA

Kromek Group

Silverside Detectors

Scientifica International

Proportional Technologies

Rotunda Scientific Technologies

#### Key Questions Answered

1. How big is the global Neutron Detectors market?
2. What is the demand of the global Neutron Detectors market?
3. What is the year over year growth of the global Neutron Detectors market?

4. What is the production and production value of the global Neutron Detectors market?
5. Who are the key producers in the global Neutron Detectors market?

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