

Global Dosimetry Market Size study & Forecast, by Type (Electronic Personal Dosimeter, Thermo Luminescent Dosimeter, Optically Stimulated Luminescence Dosimeters, Film Badge Dosimeter), Application (Active, Passive), End-user Industry (Healthcare, Oil & Gas, Mining, Nuclear Plants, Industrial, Manufacturing) and Regional Analysis, 2022-2029

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Abstracts

Global Dosimetry Market is valued approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than 7.68% over the forecast period 2022-2029. Dosimeters are pieces of scientific machinery that measure the amount of energy that is deposited by ionizing and are used to ascertain the effective dose that the human body receives from exposure to external radiation exposure. Phosphor crystals in dosimeters are used to capture liberated electrons from various hazardous radiation sources. These are worn on the body as small badges or wristbands and are used to calculate the amount of dangerous radiation to which the person has been exposed during a specific time frame. Rising application of radioactive substances across the industrial sector and growing demand for radiation and monitoring devices across the medical sector are the significant factors driving the overall market growth.

According to the Union for International Cancer Control, the Spanish population had the highest degree of anxiety among the chosen European nations in 2019 with over 50% of those polled indicating extreme concern about having or redeveloping cancer in their lifetime. In addition, the JRC projects that there will be 1.3 million deaths from cancer in

2020 and 2.7 million new cases of the disease (all forms, except non-melanoma skin cancer). According to these figures, males are somewhat more likely than women to develop cancer (54% of new cases and 56% of fatalities are men). On the other side, the UK government agreed to increase funding for the National Health Service (NHS) by USD 3.09 billion by the end of 2019–20, with a 386.70 million fund made available right away to help the NHS deal with wintertime challenges. The NHS has set new national records for cancer survival. The country's need for radiation monitoring equipment has risen as a result of the new resource financing. However, product accuracy and stringent Government Regulations stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Dosimetry Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Europe is leading the global market share owing to increased cases of skin cancers in developed countries of this region. However, Asia Pacific is register highest market growth due to investing in new radiation therapy as the number of cancer cases are increasing and the diagnosis rates are improving.

Major market player included in this report are:

Automation and Messtechnik GmbH

Landauer Inc.

Thermo Fisher Scientific Inc.

Unfors RaySafe AB

Mirion Technologies Inc

SE International Inc.

Fuji Electric Co. Ltd

Tracerco Limited

Arrow-Tech Inc.

ATOMTEX

Recent Developments in the Market:

Mirion Technologies, Inc. ("Mirion"), a global provider of detection, measurement, analysis, and monitoring solutions to the medical, nuclear, defence, and research end industries, announced the acquisition of the Dosimetry Badge brand in October 2021. This small, US-based distributor of personal dosimeter badges.

In February 2019, Thermo Fisher Scientific introduced a new dosimetry monitoring service that enables medical and imaging facilities, dental offices, veterinary clinics, nuclear power plants, labs, and other institutions with radiation safety regulations to simplify administration of their safety programmes.

Global Dosimetry Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, Application, End use Vertical, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Electronic Personal Dosimeter (EPD)

Thermo Luminescent Dosimeter (TLD)

Optically Stimulated Luminescence Dosimeters (OSL)

Film Badge Dosimeter

Other Types

By Application:

Active

Passive

By End Use Vertical:

Healthcare

Oil and Gas

Mining

Nuclear Plants

Industrial

Manufacturing

Other End-user Industries

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

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