

Global Shielding Gases Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Shielding Gases market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Shielding gases are inert or semi-inert gases that are commonly used in several welding processes, most notably gas metal arc welding and gas tungsten arc welding (GMAW and GTAW, more popularly known as MIG (Metal Inert Gas) and TIG (Tungsten Inert Gas), respectively). Their purpose is to protect the weld area from oxygen, and water vapour. Depending on the materials being welded, these atmospheric gases can reduce the quality of the weld or make the welding more difficult. Other arc welding processes use alternative methods of protecting the weld from the atmosphere as well – shielded metal arc welding, for example, uses an electrode covered in a flux that produces carbon dioxide when consumed, a semi-inert gas that is an acceptable shielding gas for welding steel.

The Global Info Research report includes an overview of the development of the Shielding Gases industry chain, the market status of Arc Welding (Carbon Dioxide, Argon), Back Shielding (Carbon Dioxide, Argon), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Shielding Gases.

Regionally, the report analyzes the Shielding Gases markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Shielding Gases market, with robust domestic demand, supportive policies, and a

strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Shielding Gases market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Shielding Gases industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Carbon Dioxide, Argon).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Shielding Gases market.

Regional Analysis: The report involves examining the Shielding Gases market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Shielding Gases market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Shielding Gases:

Company Analysis: Report covers individual Shielding Gases manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Shielding Gases This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Arc Welding, Back Shielding).

Technology Analysis: Report covers specific technologies relevant to Shielding Gases. It assesses the current state, advancements, and potential future developments in Shielding Gases areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Shielding Gases market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Shielding Gases market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Carbon Dioxide

Argon

Oxygen

Hydrogen

Nitrogen

Others

Market segment by Application

Arc Welding

Back Shielding

Plasma Arc Cutting

MIG and TIG welding

Others

Major players covered

Linde Industrial Gases

Lincoln Electric

Taiyo Nippon Sanso

Praxair

Matheson

Air Products & Chemicals

Messer Group

Universal Industrial Gases

Novomer

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Shielding Gases product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Shielding Gases, with price, sales, revenue and global market share of Shielding Gases from 2019 to 2024.

Chapter 3, the Shielding Gases competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Shielding Gases breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023, and Shielding Gases market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Shielding Gases.

Chapter 14 and 15, to describe Shielding Gases sales channel, distributors, customers, research findings and conclusion.

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