

Global Supercritical CO₂ Production Systems 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 Supercritical CO₂ Production Systems market size was valued at US\$ 71.8 million in 2023 and is forecast to a readjusted size of USD 117 million by 2030 with a CAGR of 7.5% during review period.

Supercritical carbon dioxide extraction is a commonly used method to separate various components from the plant due to it producing a pure, clean, and safe product. Carbon dioxide reaches a supercritical state at 1071 psi and 31.1°C. When a molecule is in a supercritical state, it has properties of both liquid and gas.

The Supercritical CO₂ Production System combines carbon dioxide, pressure, and temperature to separate specific compounds in plant materials for extraction.

Supercritical carbon dioxide (supercritical CO₂) is a fluid in a special state with unique properties such as high diffusivity and low surface tension. It has shown wide application value in many fields.

In the field of application, supercritical CO₂ extraction technology is undergoing significant technological optimization and innovation. By improving equipment design and optimizing process parameters, such as more accurately controlling extraction temperature, pressure, time and CO₂ flow, extraction efficiency can be further improved and costs reduced.

In terms of equipment performance, supercritical CO₂ extraction equipment is developing towards intelligence, automation, miniaturization and portability. This not only improves the stability of production and consistency of product quality, but also meets the needs of laboratory research, pilot production and some special application scenarios. At the same time, the stability and durability of the equipment are also enhanced, with better materials selected and the equipment structure optimized.

This report is a detailed and comprehensive analysis for global Supercritical CO₂ Production Systems market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2024, are provided.

Key Features:

Global Supercritical CO₂ Production Systems market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2019-2030

Global Supercritical CO₂ Production Systems market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2019-2030

Global Supercritical CO₂ Production Systems market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2019-2030

Global Supercritical CO₂ Production Systems market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2019-2024

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Supercritical CO₂ Production Systems

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Supercritical CO₂ Production Systems market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments.

Key companies covered as a part of this study include Accudyne Systems, Separeco, SFE Process, EXTRATEX-SFI, Isolate Extraction Systems Inc., Vitalis Extraction Technology, Supercritical Fluid Technologies, Inc, Eden Labs, extraktLAB, WATERS, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Supercritical CO₂ Production Systems 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- ?15 L
- 16-50 L
- 51-100 L
- 101-200 L
- ?200 L

Market segment by Application

- Food and Fragrance Industry
- Pharmaceutical Industry
- Chemical Industry
- Other

Major players covered

- Accudyne Systems
- Separeco
- SFE Process
- EXTRATEX-SFI
- Isolate Extraction Systems Inc.
- Vitalis Extraction Technology
- Supercritical Fluid Technologies, Inc
- Eden Labs
- extraktLAB
- WATERS
- Careddi Supercritical
- Buffalo Extraction Systems
- Parr Instrument Company
- Joda-Tech
- Isolate Extraction Systems Inc

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 Supercritical CO₂ Production Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Supercritical CO₂ Production Systems, with price, sales quantity, revenue, and global market share of Supercritical CO₂ Production Systems from 2019 to 2024.

Chapter 3, the Supercritical CO₂ Production Systems competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Supercritical CO₂ Production Systems 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 by Application, with sales market share and growth rate by Type, by 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 2019 to 2024. and Supercritical CO₂ Production Systems market forecast, by regions, by Type, and by 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 Supercritical CO₂ Production Systems.

Chapter 14 and 15, to describe Supercritical CO2 Production Systems sales channel, distributors, customers, research findings and conclusion.

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