

Global Commercial Controlled Atmosphere Systems Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Commercial Controlled Atmosphere Systems market size was valued at US\$ 423 million in 2025 and is forecast to a readjusted size of US\$ 661 million by 2032 with a CAGR of 6.6% during review period.

Commercial controlled atmosphere systems are engineered solutions that precisely regulate the composition of gases—such as oxygen, carbon dioxide, nitrogen, and humidity—within enclosed spaces to slow biological or chemical processes and preserve product quality. Commonly used in cold storage facilities, food warehouses, and logistics centers, these systems help extend the shelf life of fruits, vegetables, and other perishables by controlling respiration and oxidation rates. Integrating gas generation, sensing, automated control, and safety management, commercial controlled atmosphere systems enable large-scale, stable, and energy-efficient atmosphere control while meeting food safety and quality standards.

In 2025, global commercial controlled atmosphere systems production reached approximately 17.11 k units, with an average global market price of around US\$ 24025 per unit. And global commercial controlled atmosphere systems production capacity reached approximately 21 k units. The average gross margin in this industry reached 43.22%.

The upstream segment of commercial controlled atmosphere systems consists of gas-generation equipment, sensing and control components, and system integration hardware. Key inputs include nitrogen generators, CO₂ scrubbers, oxygen reduction units, gas analyzers, temperature and humidity sensors, valves and piping systems, and

industrial PLC/SCADA control platforms. High airtight construction materials, sealing membranes, and insulation panels are also essential to maintain stable atmospheric conditions. These components determine the precision, reliability, and energy efficiency of CA systems. Representative upstream suppliers include Parker Hannifin (gas separation and valves), ABB (automation and control systems), and Servomex (gas analysis and sensing technology).

Downstream applications focus on industries that require extended shelf life and quality preservation of perishable goods. Commercial CA systems are widely used in fresh fruit and vegetable cold storage, grain and seed storage, flower logistics, and food distribution centers, particularly for apples, pears, berries, and other high-respiration produce. They are also applied in wine storage, museum archives, and pharmaceutical warehousing. End users include cold-chain operators, agricultural cooperatives, food exporters, and logistics companies. Representative downstream system integrators and users include TOMRA, Van Amerongen CA Technology, and Isolcell, which provide turnkey controlled-atmosphere storage solutions for global agri-food and logistics markets.

This report is a detailed and comprehensive analysis for global Commercial Controlled Atmosphere 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 2025, are provided.

Key Features:

Global Commercial Controlled Atmosphere Systems market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Commercial Controlled Atmosphere Systems market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Commercial Controlled Atmosphere Systems market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Commercial Controlled Atmosphere Systems market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 Commercial Controlled Atmosphere 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 Commercial Controlled Atmosphere 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 Daikin, ONE, Carrier Transicold, MCI, CIMC, Thermo King, Klinge, etc.

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

Market Segmentation

Commercial Controlled Atmosphere Systems market is split by Type and by Application. For the period 2021-2032, 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

Active

Passively

Market segment by Size

Small

Middle

Large

Market segment by Application

Fruit

Vegetables

Others

Major players covered

Daikin

ONE

Carrier Transicold

MCI

CIMC

Thermo King

Klinge

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 Commercial Controlled Atmosphere Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Commercial Controlled Atmosphere Systems, with price, sales quantity, revenue, and global market share of Commercial Controlled Atmosphere Systems from 2021 to 2026.

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

Chapter 4, the Commercial Controlled Atmosphere Systems breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Commercial Controlled Atmosphere Systems market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Commercial Controlled Atmosphere Systems.

Chapter 14 and 15, to describe Commercial Controlled Atmosphere Systems sales channel, distributors, customers, research findings and conclusion.

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