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# Global Low Dew Point Dehumidification and Drying Equipment 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 Low Dew Point Dehumidification and Drying Equipment market size was valued at US$ 1286 million in 2025 and is forecast to a readjusted size of US$ 2162 million by 2032 with a CAGR of 7.7% during review period.

Low Dew Point Dehumidification and Drying Equipment refers to industrial humidity-control and drying systems designed to create extremely low-moisture environments by reducing air dew point through desiccant rotor, refrigeration-assisted, heat recovery, filtration, and process air control technologies. These systems are mainly used where moisture can directly affect product quality, safety, yield, or material stability. Typical applications include lithium battery dry rooms, pharmaceuticals, electronics, precision materials, food drying, powder processing, chemical production, and plastics drying. In lithium battery manufacturing, low dew point control is especially important for electrode processing, cell assembly, electrolyte filling, sealing, and storage environments requiring stable ultra-low humidity.The industrial chain of Low Dew Point Dehumidification and Drying Equipment includes upstream components such as desiccant rotors, compressors, heat exchangers, fans, filters, heaters, sensors, valves, control systems, ducts, insulation materials, and stainless-steel structures. The midstream consists of equipment design, system integration, humidity-load calculation, air handling configuration, energy-saving control, installation, commissioning, validation, and maintenance services. Downstream demand mainly comes from lithium battery manufacturing, semiconductor and electronics production, pharmaceutical processing, food and powder drying, chemical materials, precision laboratories, and industrial clean rooms. The industry requires stable dew point control, energy efficiency, clean air delivery, process reliability, and customized engineering capability for different

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production environments.In 2025, global Low Dew Point Dehumidification and Drying Equipment production reached approximately 4,464 units, with an average global market price of around US$280,000 per unit. The gross profit margin of major companies in the industry is between 35% ? 55%. In 2025, the global production capacity of Low Dew Point Dehumidification and Drying Equipment was approximately 5,874 units.

The Low Dew Point Dehumidification and Drying Equipment market is mainly driven by the rapid expansion of lithium battery manufacturing, especially dry room demand for cell assembly, electrolyte filling, and moisture-sensitive material handling. Battery production often requires very low humidity control, and leading suppliers highlight dew point ranges around -40?C to -70?C or even lower for advanced production environments. Demand is also supported by semiconductors, pharmaceuticals, food powders, precision electronics, and specialty chemicals, where stable humidity control improves yield and material reliability. Technology development is shifting toward lower energy consumption, heat recovery, intelligent control, modular design, and integrated dry-room solutions. As battery factories pursue larger capacity and stricter quality control, equipment suppliers are expected to benefit from both new production lines and upgrades of existing facilities. Overall, the market is expected to maintain solid growth, supported by electrification, advanced manufacturing, and higher requirements for process stability.

This report is a detailed and comprehensive analysis for global Low Dew Point Dehumidification and Drying Equipment 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 Low Dew Point Dehumidification and Drying Equipment market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (K US$/Unit), 2021-2032

Global Low Dew Point Dehumidification and Drying Equipment market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units),

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and average selling prices (K US$/Unit), 2021-2032

Global Low Dew Point Dehumidification and Drying Equipment market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (K US$/Unit), 2021-2032

Global Low Dew Point Dehumidification and Drying Equipment market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (K 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 Low Dew Point Dehumidification and Drying Equipment

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 Low Dew Point Dehumidification and Drying Equipment 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 Munters AB, Bry-Air (Asia) Pvt. Ltd., Seibu Giken Co., Ltd., ORION Machinery Co., Ltd., Takasago Thermal Engineering Co., Ltd., ITSWA Co., Ltd., Cotes A/S, DESSICA SAS, Condair Group AG, DehuTech AB, etc.

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

Market Segmentation

Low Dew Point Dehumidification and Drying Equipment 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

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qualified niche markets.

Market segment by Type

Standalone Low Dew Point Dehumidification and Drying Equipment

System-integrated Low Dew Point Dehumidification and Drying Equipment

Market segment by Dehumidification Principle

Desiccant Rotor Low Dew Point Dehumidification and Drying Equipment

Desiccant Tower Low Dew Point Dehumidification and Drying Equipment

Membrane Low Dew Point Dehumidification and Drying Equipment

Refrigeration-desiccant Hybrid Low Dew Point Dehumidification and Drying Equipment

Market segment by Minimum Outlet Dew Point

Minus 40?C to Above Minus 60?C Minimum Outlet Dew Point

Minus 60?C to Above Minus 80?C Minimum Outlet Dew Point

Minus 80?C or Lower Minimum Outlet Dew Point

Market segment by Application

Battery and Energy-Storage Manufacturing

Semiconductor and Electronics Manufacturing

Pharmaceutical and Chemical Processing

Aerospace, Defense and Advanced-Material Research

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Food Processing and Cold-Storage Operations

Major players covered

Munters AB

Bry-Air (Asia) Pvt. Ltd.

Seibu Giken Co., Ltd.

ORION Machinery Co., Ltd.

Takasago Thermal Engineering Co., Ltd.

ITSWA Co., Ltd.

Cotes A/S

DESSICA SAS

Condair Group AG

DehuTech AB

Desiccant Technologies Group UAB

NovelAire Technologies LLC

Modine Manufacturing Company

Hangzhou Peritech Dehumidifying Equipment Co., Ltd.

Jiangsu Josem Environmental Equipment Manufacturing Co., Ltd.

Weiss Technik

Fisair S.L.

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Scientific Climate Systems, Inc.

Angstrom Technology

Innovative Air Technologies

Shinryo Corporation

Nippon Spindle Manufacturing Co., Ltd.

Guangdong Shenling Environmental Systems Co., Ltd.

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 Low Dew Point Dehumidification and Drying Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Low Dew Point Dehumidification and Drying Equipment, with price, sales quantity, revenue, and global market share of Low Dew Point Dehumidification and Drying Equipment from 2021 to 2026.

Chapter 3, the Low Dew Point Dehumidification and Drying Equipment

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

Chapter 4, the Low Dew Point Dehumidification and Drying Equipment 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 Low Dew Point Dehumidification and Drying Equipment 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 Low Dew Point Dehumidification and Drying Equipment.

Chapter 14 and 15, to describe Low Dew Point Dehumidification and Drying Equipment sales channel, distributors, customers, research findings and conclusion.

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# Contents

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## 2 MANUFACTURERS PROFILES

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## 3 COMPETITIVE ENVIRONMENT: LOW DEW POINT DEHUMIDIFICATION AND DRYING EQUIPMENT BY MANUFACTURER



## 4 CONSUMPTION ANALYSIS BY REGION

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