

Global Low-Temperature Grain Storage Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Low-Temperature Grain Storage market size was valued at US\$ 463 million in 2025 and is forecast to a readjusted size of US\$ 645 million by 2032 with a CAGR of 4.9% during review period.

Low-temperature grain storage is a technology that uses refrigeration equipment or natural cold sources to maintain the temperature of grain piles at low (?15?) or near-low (?20?) levels for extended periods. Its core function is to forcibly inhibit the life activities of grains, pests, and microorganisms, thereby fundamentally solving the problems of quality deterioration and weight loss caused by pests, mold, and the grain's own respiration. This achieves long-term safe storage without chemical agents and maximizes the preservation of grain freshness, nutritional value, and germination viability. The upstream layer consists of equipment and material suppliers, primarily including refrigeration unit manufacturers (grain coolers, special air conditioners), insulation material suppliers, fan and ventilation system manufacturers, and temperature sensor and automation control equipment manufacturers. The downstream layer is system integration and application, where engineering service providers and grain depot design units integrate upstream equipment into complete systems, directly applied to national grain reserves, large port silos, seed companies, and raw material warehouses for brewing/food processing enterprises, serving various storage needs from strategic reserves to high-value commercial grains. In 2025, the average price of low-temperature grain storage was approximately US\$50,000, with a gross profit margin of approximately 40%.

This report is a detailed and comprehensive analysis for global Low-Temperature Grain Storage market. Both quantitative and qualitative analyses are presented by company,

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-Temperature Grain Storage market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Low-Temperature Grain Storage market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Low-Temperature Grain Storage market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Low-Temperature Grain Storage market shares of main players, in revenue (\$ Million), 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-Temperature Grain Storage

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-Temperature Grain Storage market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GEA Group Aktiengesellschaft (ETR: G1A, D?sseldorf Germany), B?hler Group (Unlisted, Uzwil Switzerland), COFCO Engineering & Technology Co., Ltd. (SZSE: 301058, Jiangsu China), Tailor Made Solutions (Unlisted, Ankara Turkey), SKIOLD A/S (Unlisted, S?by Denmark), FrigorTec (Unlisted, Amtzell Germany), Consergra (Unlisted, Barcelona Spain), Grain Technik (Unlisted, New Delhi India), Tecnograin (Unlisted, Curtatone Italy), Zanin (Unlisted, Treviso Italy), etc.

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

Market segmentation

Low-Temperature Grain Storage 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Mechanical Refrigeration Storage

Natural Air Cooling Storage

Phase Change Material Cooling Storage

Market segment by Warehousing Facility

Fixed Cryogenic Storage Chamber

Mobile Cryogenic Storage Chamber

Market segment by Application

Wheat

Rice

Corn

Barley

Other

Market segment by players, this report covers

GEA Group Aktiengesellschaft (ETR: G1A, D?sseldorf Germany)

B?hler Group (Unlisted, Uzwil Switzerland)

COFCO Engineering & Technology Co., Ltd. (SZSE: 301058, Jiangsu China)

Tailor Made Solutions (Unlisted, Ankara Turkey)

SKIOLD A/S (Unlisted, S?by Denmark)

FrigorTec (Unlisted, Amtzell Germany)

Consergra (Unlisted, Barcelona Spain)

Grain Technik (Unlisted, New Delhi India)

Tecnograin (Unlisted, Curtatone Italy)

Zanin (Unlisted, Treviso Italy)

Taizhou Yiming Machinery Co., Ltd. (Unlisted, Zhejiang China)

Hangzhou Zeta Technology Co., Ltd. (Unlisted, Hangzhou China)

Henan Tongchuang Hi-Tech Co., Ltd. (Unlisted, Henan China)

NAM SON MECHANICAL MANUFACTURE CO., LTD (Unlisted, Ho Chi Minh Vietnam)

Henan Sron Silo Engineering Co., Ltd. (Unlisted, Henan China)

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Low-Temperature Grain Storage product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Low-Temperature Grain Storage, with revenue, gross margin, and global market share of Low-Temperature Grain Storage from 2021 to 2026.

Chapter 3, the Low-Temperature Grain Storage competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Low-Temperature Grain Storage market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Low-Temperature Grain Storage.

Chapter 13, to describe Low-Temperature Grain Storage research findings and conclusion.

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