

Global Low-Temperature Grain Storage Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Low-Temperature Grain Storage market size is predicted to grow from US\$ 440 million in 2025 to US\$ 624 million in 2032; it is expected to grow at a CAGR of 5.2% from 2026 to 2032.

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%.

United States market for Low-Temperature Grain Storage is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Low-Temperature Grain Storage is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Low-Temperature Grain Storage is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Low-Temperature Grain Storage players cover 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), etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the “Low-Temperature Grain Storage Industry Forecast” looks at past sales and reviews total world Low-Temperature Grain Storage sales in 2025, providing a comprehensive analysis by region and market sector of projected Low-Temperature Grain Storage sales for 2026 through 2032. With Low-Temperature Grain Storage sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Low-Temperature Grain Storage industry.

This Insight Report provides a comprehensive analysis of the global Low-Temperature Grain Storage landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Low-Temperature Grain Storage portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Low-Temperature Grain Storage market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Low-Temperature Grain Storage and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Low-Temperature Grain Storage.

This report presents a comprehensive overview, market shares, and growth opportunities of Low-Temperature Grain Storage market by product type, application,

key players and key regions and countries.

Segmentation by Type:

Mechanical Refrigeration Storage

Natural Air Cooling Storage

Phase Change Material Cooling Storage

Segmentation by Warehousing Facility:

Fixed Cryogenic Storage Chamber

Mobile Cryogenic Storage Chamber

Segmentation by Application:

Wheat

Rice

Corn

Barley

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

GEA Group Aktiengesellschaft (ETR: G1A, Düsseldorf Germany)

Bühler Group (Unlisted, Uzwil Switzerland)

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

Tailor Made Solutions (Unlisted, Ankara Turkey)

SKIOLD A/S (Unlisted, Søby 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)

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