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Global Spiral Pre-Cooler Market Growth 2026-2032

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Abstracts

The global Spiral Pre-Cooler market size is predicted to grow from US$ 779 million in 2025 to US$ 1037 million in 2032; it is expected to grow at a CAGR of 4.3% from 2026 to 2032.

In 2024, global spiral pre-cooler sales reached approximately 4500 k units , with an average global market price of around US$ 1700 per unit. The spiral pre-cooler is a critical equipment in poultry slaughter lines, specifically designed for cooling, cleaning, and disinfecting poultry carcasses after evisceration. Comprising a stainless steel tank, frequency conversion drive system, spiral conveyor system, air blast system, and discharge system, it utilizes cooling media (typically flake ice) to maintain phased water temperature control (front section below 16°C, rear section below 4°C). Poultry carcasses move slowly through the cold water via spiral propulsion while the air blast system ensures continuous tumbling for uniform cooling, blood residue removal, and surface disinfection. Its technical advantages include energy-efficient frequency conversion speed adjustment, hygienic stainless steel construction, and optimized discharge uniformity, directly impacting microbial indicators, shelf life, and processing efficiency of poultry products. The upstream supply chain includes food-grade stainless steel plates, frequency conversion motors, spiral conveyor components, ice makers, and disinfection equipment suppliers. The midstream involves sheet metal welding, drive system integration, hydrodynamic testing, and sanitary certification. Downstream integration targets poultry slaughter lines, serving large meat processing plants, food conglomerates, and export-oriented poultry enterprises, requiring compliance with HACCP certification and daily CIP cleaning protocols.

United States market for Spiral Pre-Cooler 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 Spiral Pre-Cooler is estimated to increase from US$ million in 2025 to

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US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Spiral Pre-Cooler is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Spiral Pre-Cooler players cover Scanico, Zhucheng Hongruntong Machinery, Sarp, Silver Star Poultry Equipment, Shandong Mingshun Intelligent Equipment, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

Report Scope

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Spiral Pre-Cooler 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 Spiral Pre-Cooler.

This report presents a comprehensive overview, market shares, and growth opportunities of Spiral Pre-Cooler market by product type, application, key manufacturers and key regions and countries.

Market Segmentation

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Segmentation by Type:

Diameter 1000-2000mm

Diameter 2000-3000mm

Others

Segmentation by Application:

Poultry

Fish

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

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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 analysing the company's coverage, product portfolio, its market penetration.

Scanico

Zhucheng Hongruntong Machinery

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Sarp

Silver Star Poultry Equipment

Shandong Mingshun Intelligent Equipment

Jiuhua Group

Korutek Engineering

Castiglioni SRL

MHM Automation

Qingdao Ruizhi Intelligent Equipment Technology

Raniche

Meyn

Baoxing

Changxun Machinery

Key Questions Addressed in this Report

What is the 10-year outlook for the global Spiral Pre-Cooler market?

What factors are driving Spiral Pre-Cooler market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Spiral Pre-Cooler market opportunities vary by end market size?

How does Spiral Pre-Cooler break out by Type, by Application?

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