

Global Transglutaminase for Meat Processing Market Growth 2026-2032

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Abstracts

The global Transglutaminase for Meat Processing market size is predicted to grow from US\$ 137 million in 2025 to US\$ 254 million in 2032; it is expected to grow at a CAGR of 9.5% from 2026 to 2032.

Transglutaminase for Meat Processing market represents a highly specialized niche within food ingredients, centered on the use of enzymes that catalyze cross-linking between proteins to improve texture, binding strength, and product uniformity. Commonly referred to as "meat glue," transglutaminase is widely applied in restructuring meat products, forming uniform portions from small cuts, and enhancing the texture of processed meats such as sausages, hams, and reformed steaks. Compared with proteases, which break down proteins, transglutaminase performs the opposite function—building protein networks—making it particularly valuable in premium and value-added meat applications.

From a market size standpoint, the sector is moderately scaled but exhibits strong value concentration. In 2025, global consumption is estimated at approximately 5,639 tons, with an average selling price (ASP) of around US\$24.84 per kilogram. Although total volume is lower than that of proteases, the functionality of transglutaminase in restructuring and yield optimization allows it to maintain comparable pricing levels. Demand is closely linked to the growth of processed and restructured meat products, especially in industrial food manufacturing and food service applications.

In terms of profitability, the transglutaminase segment typically achieves gross margins in the range of 40% to 60%, reflecting its high technical value and relatively concentrated supplier base. The production process, based on microbial fermentation and downstream purification, benefits from economies of scale and relatively stable

input costs, while product differentiation?such as activity level, reaction conditions, and formulation stability?supports premium pricing. Companies like Ajinomoto Co., Inc. leverage proprietary strains and strong application know-how, while firms such as dsm-firmenich integrate transglutaminase into broader functional ingredient systems to enhance margins through bundled solutions.

Regionally, Asia-Pacific dominates the market, driven by strong adoption in countries such as Japan, China, Thailand, and South Korea, where restructured meat products and surimi-based foods are widely consumed. Europe and North America also represent important markets, although regulatory scrutiny and labeling considerations in some countries have slightly constrained adoption in recent years. Nevertheless, industrial processors in these regions continue to use transglutaminase for cost optimization and product consistency, particularly in large-scale operations.

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

This Insight Report provides a comprehensive analysis of the global Transglutaminase for Meat Processing 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 Transglutaminase for Meat Processing portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Transglutaminase for Meat Processing market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Transglutaminase for Meat Processing 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 Transglutaminase for Meat Processing.

This report presents a comprehensive overview, market shares, and growth opportunities of Transglutaminase for Meat Processing market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Low Activity

Medium Activity

High Activity

Segmentation by Source:

Animal-derived

Microbial

Others

Segmentation by Formulation:

Powder

Liquid

Others

Segmentation by Application:

Industrial Processing

Food Service/Catering

Others

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

Novonesis

AB Enzyme

IFF (DuPont)

Ajinomoto

SternEnzym

Amano Enzyme

Dongsheng Bio-Tech

Yiming Biological Technology

Angel Yeast

VTR Biotech

Nanning Pangbo Biological

Key Questions Addressed in this Report

What is the 10-year outlook for the global Transglutaminase for Meat Processing market?

What factors are driving Transglutaminase for Meat Processing market growth, globally and by region?

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

How do Transglutaminase for Meat Processing market opportunities vary by end market size?

How does Transglutaminase for Meat Processing break out by Type, by Application?

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