

Global Transglutaminase for Meat Processing Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Transglutaminase for Meat Processing market size is expected to reach \$ 259 million by 2032, rising at a market growth of 8.9% CAGR during the forecast period (2026-2032).

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.

This report studies the global Transglutaminase for Meat Processing production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Transglutaminase for Meat Processing and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Transglutaminase for Meat Processing that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Transglutaminase for Meat Processing total production and demand, 2021-2032, (Tons)

Global Transglutaminase for Meat Processing total production value, 2021-2032, (USD Million)

Global Transglutaminase for Meat Processing production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Transglutaminase for Meat Processing consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Transglutaminase for Meat Processing domestic production, consumption, key domestic manufacturers and share

Global Transglutaminase for Meat Processing production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Transglutaminase for Meat Processing production by Type, production, value,

CAGR, 2021-2032, (USD Million) & (Tons)

Global Transglutaminase for Meat Processing production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Transglutaminase for Meat Processing market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Novonesis, AB Enzyme, IFF (DuPont), Ajinomoto, SternEnzym, Amano Enzyme, Dongsheng Bio-Tech, Yiming Biological Technology, Angel Yeast, VTR Biotech, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Transglutaminase for Meat Processing market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Transglutaminase for Meat Processing Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Transglutaminase for Meat Processing Market, Segmentation by Type:

Low Activity

Medium Activity

High Activity

Global Transglutaminase for Meat Processing Market, Segmentation by Source:

Animal-derived

Microbial

Others

Global Transglutaminase for Meat Processing Market, Segmentation by Formulation:

Powder

Liquid

Others

Global Transglutaminase for Meat Processing Market, Segmentation by Application:

Industrial Processing

Food Service/Catering

Others

Companies Profiled:

Novonosis

AB Enzyme

IFF (DuPont)

Ajinomoto

SternEnzym

Amano Enzyme

Dongsheng Bio-Tech

Yiming Biological Technology

Angel Yeast

VTR Biotech

Nanning Pangbo Biological

Key Questions Answered:

1. How big is the global Transglutaminase for Meat Processing market?
2. What is the demand of the global Transglutaminase for Meat Processing market?
3. What is the year over year growth of the global Transglutaminase for Meat Processing market?
4. What is the production and production value of the global Transglutaminase for Meat Processing market?
5. Who are the key producers in the global Transglutaminase for Meat Processing market?
6. What are the growth factors driving the market demand?

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