

Global Transglutaminase for Meat Processing Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Transglutaminase for Meat Processing market size was valued at US\$ 144 million in 2025 and is forecast to a readjusted size of US\$ 259 million by 2032 with a CAGR of 8.9% during review period.

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 is a detailed and comprehensive analysis for global Transglutaminase for Meat Processing market. Both quantitative and qualitative analyses are presented by manufacturers, 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 Transglutaminase for Meat Processing market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Transglutaminase for Meat Processing market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Transglutaminase for Meat Processing market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Transglutaminase for Meat Processing market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 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 Transglutaminase for Meat Processing

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 Transglutaminase for Meat Processing market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

Transglutaminase for Meat Processing 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 in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Low Activity

Medium Activity

High Activity

Market segment by Source

Animal-derived

Microbial

Others

Market segment by Formulation

Powder

Liquid

Others

Market segment by Application

Industrial Processing

Food Service/Catering

Others

Major players covered

Novonesis

AB Enzyme

IFF (DuPont)

Ajinomoto

SternEnzym

Amano Enzyme

Dongsheng Bio-Tech

Yiming Biological Technology

Angel Yeast

VTR Biotech

Nanning Pangbo Biological

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Transglutaminase for Meat Processing product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Transglutaminase for Meat Processing, with price, sales quantity, revenue, and global market share of Transglutaminase for Meat Processing from 2021 to 2026.

Chapter 3, the Transglutaminase for Meat Processing competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Transglutaminase for Meat Processing breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Transglutaminase for Meat Processing market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Transglutaminase for Meat Processing.

Chapter 14 and 15, to describe Transglutaminase for Meat Processing sales channel, distributors, customers, research findings and conclusion.

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