

# Global X-Ray Systems for Tire Inspection Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global X-Ray Systems for Tire Inspection market size was valued at US\$ 507 million in 2024 and is forecast to a readjusted size of USD 702 million by 2031 with a CAGR of 4.7% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

X-ray systems for tire inspection are advanced non-destructive testing (NDT) technologies designed to evaluate the internal structure, integrity, and quality of tires without causing damage. These systems utilize X-ray radiation to penetrate tire materials, such as rubber, cords, and fillers, and generate detailed images or digital representations of the tire's internal components. By analyzing these visuals, operators can detect hidden defects, inconsistencies, or anomalies that are not visible to the naked eye, including misaligned plies, air voids, foreign objects, broken cords, or uneven material distribution. X-ray inspection systems are widely used in tire manufacturing plants, quality control laboratories, and maintenance facilities to ensure compliance with safety and performance standards, identify production flaws early in the process, and prevent defective tires from reaching the market. They offer high precision and reliability, enabling rapid and automated inspection of tires across various sizes and types, from passenger vehicle tires to heavy-duty industrial and aviation tires, while also supporting real-time data analysis and integration with smart manufacturing systems for enhanced efficiency and quality assurance.

This report is a detailed and comprehensive analysis for global X-Ray Systems for Tire

Inspection 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 X-Ray Systems for Tire Inspection market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global X-Ray Systems for Tire Inspection market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global X-Ray Systems for Tire Inspection market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global X-Ray Systems for Tire Inspection market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

### **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 X-Ray Systems for Tire Inspection

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 X-Ray Systems for Tire Inspection 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 AMETEK Micro-Poise, TMSI,

CyXplus, MESNAC, YXLON International, Dandong Flaw Detection Instrument Factory, Dandong Aolong Radiative Instrument Group Co., Ltd., Qingdao Honghesheng Industry, Alfamation, ZEISS Group, etc.

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

## **Market Segmentation**

X-Ray Systems for Tire Inspection market is split by Type and by Application. For the period 2020-2031, 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

Digital Radiography (DR) Systems

Computed Tomography (CT) Systems

Others

### Market segment by Application

Tire Manufacturing Quality Control

Retreaded Tire Inspection

Others

### Major players covered

AMETEK Micro-Poise

TMSI

CyXplus

MESNAC

YXLON International

Dandong Flaw Detection Instrument Factory

Dandong Aolong Radiative Instrument Group Co., Ltd.

Qingdao Honghesheng Industry

Alfamation

ZEISS Group

Lniri

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 X-Ray Systems for Tire Inspection product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of X-Ray Systems for Tire Inspection, with price, sales quantity, revenue, and global market share of X-Ray Systems for Tire Inspection from 2020 to 2025.

Chapter 3, the X-Ray Systems for Tire Inspection competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the X-Ray Systems for Tire Inspection breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and X-Ray Systems for Tire Inspection market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 X-Ray Systems for Tire Inspection.

Chapter 14 and 15, to describe X-Ray Systems for Tire Inspection sales channel, distributors, customers, research findings and conclusion.

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