Tire Inspection Market: Emerging Trends, Regional Outlook and Forecast 2035

The global tire inspection market was valued at USD 1.42 billion in 2025 and is projected to reach USD 2.41 billion by 2035, expanding at approximately a 5.7% CAGR from 2026 to 2035. Revenue is expected to reach USD 1.47 billion in 2026, supported by stringent vehicle-safety requirements, rising tire production, electric-vehicle tire complexity, replacement demand, fleet maintenance, and automation in tire manufacturing.

Tire inspection is expanding beyond factory quality control into a broader workflow covering tire condition, tread depth, pressure, geometry, internal construction, balancing, visible defects, and maintenance decisions. X-ray, laser, ultrasonic, machine-vision, mobile scanning, and automated drive-over systems are increasingly connected to manufacturing-execution systems, fleet platforms, service centers, and retail workflows.



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Automated inspection systems are gaining adoption in tire manufacturing because they support high-throughput evaluation of internal construction, uniformity, geometry, and defect containment. Camera-based inspection is expanding in service and retail environments, where technicians need rapid assessment of tread depth, sidewall condition, markings, and visible damage.

X-ray systems remain essential for identifying hidden defects such as misaligned steel components, separated cords, foreign material, bead-core problems, and asymmetric tread structures. Mobile and drive-over systems are becoming more relevant in fleets, dealer networks, and service centers because they connect inspection results with maintenance prioritization and customer recommendations.

Tire manufacturing remains the most technically demanding application, while MRO and service centers, fleet management, retail, automobile assembly, aerospace, industrial, and railway applications are expanding the addressable market. Connected inspection platforms are increasing recurring value through reporting, analytics, software, calibration, and service contracts.

Asia Pacific dominated the tire inspection market in 2025, supported by its large tire-manufacturing base, vehicle production, replacement demand, and industrial automation investments across China, India, Japan, South Korea, and Southeast Asia. North America is projected to be the fastest-growing region at approximately a 5% CAGR, supported by replacement-tire volumes, fleet maintenance, safety requirements, and dealer and service-center adoption.

AMETEK (Micro-Poise) led the market with more than a 7% share in 2025. Its market position is supported by X-ray and tire-testing systems, production-line integration, dimensional and uniformity measurement, high-throughput inspection, and strong relationships with global tire manufacturers.

Some of the major players in this market are Comet Group (YXLON), MESNAC, MTS/Amphenol, UVeye, Micro-Epsilon, Anyline, ProovStation, MABRI.VISION, Hunter Engineering, and Snap-on. The top five companies collectively held approximately 24% of the market in 2025.

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