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Global Metal Tire Mold 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 Metal Tire Mold market size was valued at US$ 1841 million in 2025 and is forecast to a readjusted size of US$ 2308 million by 2032 with a CAGR of 3.0% during review period.

Metal Tire Mold is a precision metal tooling set used in tire manufacturing to form the tire's final geometry and surface features during vulcanization. It defines the tread pattern, sidewall lettering, dimensions, and venting details, and must withstand repeated high-temperature and high-pressure curing cycles while maintaining tight tolerances. Compared with simplified tooling, metal tire molds emphasize durability, heat stability, and surface finish consistency, supporting stable mass production and repeatable tire appearance and performance.

Upstream, metal tire molds rely on alloy steels or aluminum alloys, mold plates/segments, precision castings or forged blanks, and consumables such as coatings, release agents, and surface-treatment chemicals. Typical production lines include CAD/CAE design, CNC machining, engraving/EDM, drilling of vent holes, assembly and fitting, surface treatment (e.g., plating, nitriding, shot blasting), and final inspection. Downstream customers are tire manufacturers (passenger car, truck/bus, off-road, motorcycle, specialty tires), along with tire mold service providers that offer repair, re-engraving, and lifecycle maintenance; end demand is linked to tire model upgrades, capacity expansion, and replacement of worn molds.

In 2025, global metal tire mold production reached approximately 88,553 units, with an average price of $20.2 thousand per unit.

The metal tire mold market is closely tied to tire production volume and the pace of new

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tire pattern development. As tire makers accelerate product refresh cycles to meet evolving performance expectations—such as lower rolling resistance, improved wet grip, reduced noise, and higher wear resistance—the demand shifts from purely replacement purchasing to a mix of replacement, incremental capacity expansion, and new-pattern tooling investment. This pushes mold suppliers to offer faster design-to-delivery lead times, higher machining accuracy, and better consistency across multi-cavity or segmented mold sets, especially for high-volume platforms where appearance uniformity and dimensional stability directly affect tire yield and brand perception.

Technology upgrading is a key theme. More suppliers are integrating digital design, simulation-driven venting and flow optimization, automated CNC/EDM cell production, and standardized modular components to improve throughput and reduce variation. At the same time, tire makers increasingly value lifecycle services—repair, polishing, re-engraving, and coating refurbishment—because downtime and scrap rates can outweigh the initial mold cost over long operating cycles. Cost pressure remains significant: raw material prices, energy, and skilled labor shortages encourage suppliers to improve automation and material utilization, while customers push for longer mold life and predictable maintenance intervals. Regional manufacturing footprints matter as well, since tire plants often prefer nearby mold partners for faster support and logistics efficiency. Overall, the market’s competitiveness is shaped by precision capability, delivery reliability, service coverage, and the ability to co-develop new tread patterns with tire OEM engineering teams.

This report is a detailed and comprehensive analysis for global Metal Tire Mold 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 Metal Tire Mold market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Metal Tire Mold market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

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Global Metal Tire Mold market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Metal Tire Mold market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (US$/Unit), 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 Metal Tire Mold
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 Metal Tire Mold 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 Himile, Hefei DADAO Mould, Tianyang, Dynamic Design, Greatoo, Yokohama Mold Co, King Machine, Hankook Precision Works, Uzer Makina, LiChond Mould, etc.

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

Market Segmentation

Metal Tire Mold 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

Segmented Molds

Two-Piece Molds

Market segment by Material

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Aluminum

Steel

Market segment by Application

PCR

TBR

OTR

Others

Major players covered

Himile

Hefei DADAO Mould

Tianyang

Dynamic Design

Greatoo

Yokohama Mold Co

King Machine

Hankook Precision Works

Uzer Makina

LiChond Mould

Shandong Yaokun Moulds

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MESNAC

Shandong Wantong Mould

HERBERT

SeYoung TMS

NGK Fine Molds

EMT P?chov s.r.o

GMJ

Haomaitong

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 Metal Tire Mold product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Metal Tire Mold, with price, sales quantity, revenue, and global market share of Metal Tire Mold from 2021 to 2026.

Chapter 3, the Metal Tire Mold competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Metal Tire Mold breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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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 Metal Tire Mold 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 Metal Tire Mold.

Chapter 14 and 15, to describe Metal Tire Mold sales channel, distributors, customers, research findings and conclusion.

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