

Advanced Tires Market by Type (Pneumatic, Run-Flat, Airless), Technology (Self-Inflating, Chip-Embedded, Multi-chamber, All-in-one, Self-Sealing), Vehicle (ICE, Electric, Hybrid, Off-highway), Niche Technology, Material & Region - Global Forecast to 2030

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Report description:

The advanced tires market is projected to grow from USD 1.3 billion in 2023 to USD 3.2 billion by 2030, at a CAGR of 14.4% from 2023 to 2030. Rising focus on carbon dioxide (CO₂), and nitrogen oxide (NO_x), and growing demand for convenience and safety features in the LDV segment. Further, the high maintenance and replacement cost of OTR tires creates demand for advanced tires.

"LDVs are expected to hold the largest share in the advanced tires market owing to rising demand for comfort and safety features."

The on-highway advanced tires market is predominantly dominated by the LDV (Light Duty Vehicle) segment. The production of premium vehicles in regions such as North America, Europe, and some Asian countries has been on the rise, fueling the demand for the advanced tire market. Global automotive manufacturers such as BMW, Mercedes-Benz, Volvo, Land Rover, Audi, General Motors, and Volkswagen among others are offering advanced tires in their premium vehicles as a standard fitment. According to MarketsandMarkets Analysis, global premium vehicle penetration increased with a growth rate of ~7% from 2020 to 2022. The top brands, such as Mercedes-Benz, Tesla, and BMW, dominated the global luxury vehicle market in 2022. To support this OEM demand, tire suppliers like Michelin, Goodyear, Bridgestone, and Continental are developing and expanding advanced tire portfolios including self-healing, run-flat, futuristic airless, and multi-chambered tires. Further, Michelin partnered with DHL in which about 50 express vans will be tested with Michelin's airless tire- called 'Uptis' for last-mile delivery in Singapore towards the end of 2023. More such collaboration is expected soon which will drive the adoption of advanced tires in the light trucks and minivans segment.

"The demand for advanced tires in agriculture tractors will be fastest during the forecast period."

The growth of advanced tires in agricultural tractors can be accounted for due to factors such as a lack of labor force and growing average farm size have increased the overall cost of labor. As a result, the rate of mechanization in agriculture and the demand for high-power tractors has increased tremendously. These high-power tractors are speculated to be the early adapters for advanced tires. Additionally, advanced tires offer benefits such as maximized traction, mitigating soil compaction, and enhancing fuel efficiency, thereby positively impacting agricultural practices. Thus, to increase efficiency and farm productivity, North America and European countries prefer tractors installed with advanced tire technology.□

The advanced tire market for Asia-Pacific is estimated to grow at the fastest CAGR during the forecast period.

Asia-Pacific is anticipated to grow at the fastest CAGR from the period of 2023-2030 owing to high population growth and economic development with increasing domestic consumption of feature-rich vehicles have intensified the need for efficient transportation. Further, the advanced tires market in the Asia Pacific region is poised for substantial growth driven by factors such as the rising demand for advanced safety features, increasing automobile production and sales, and government initiatives that encourage the adoption of electric vehicles. Notably, major industry players like Continental, Goodyear, and Michelin are actively investing in the development of advanced tire technologies in the region. Furthermore, the Asia Pacific market benefits from the presence of local players such as Bridgestone, Yokohama, Bridgestone Corporation, Sumitomo Rubber Industries, and Yokohama Tire Corporation MRF and JK Tire, who contribute to regional growth and innovation in the field of advanced tires. As a result, the Asia Pacific market is expected to experience ongoing innovation and continued growth in the forthcoming years.

In-depth interviews were conducted with CXOs, VPs, directors from business development, marketing, product development/innovation teams, independent consultants, and executives from various key organizations operating in this market.

-□By Stakeholder Type: OEM- 80%, End-Users- 20%

-□By Designation: Directors/ Vice Presidents - 25%, C Level Executives - 15%, and Others - 60%

-□By Region: Asia Pacific - 60%, Europe - 20%, and North America - 20%

The advanced tires market comprises prominent players such as Bridgestone Corporation (Japan), Continental AG (Germany), The Goodyear Tire and Rubber Company (US), Michelin (France), and Pirelli C & S.p.A (Italy). ?

Research Coverage:

The study segments the advanced tires market and forecasts the market size based on the on-highway vehicle by type (pneumatic, run-flat, airless), On-highway vehicle by material type (Elastomer, Steel, Fillers, Others), On-highway vehicle by technology (Self-inflating, chip-embedded, multi-chamber, all-in-one, and self-sealing), On-Highway by niche technology (3D printed tires, and advanced tires for autonomous vehicle), On-highway by Vehicle Type (LDV, and HDV), Electric & Hybrid vehicle by Type (Penumatic tires, Run-flat tires, and Airless tires), Electric & Hybrid Vehicle by EV Type (BEV, PHE, and FCEV), Off-Highway Vehicle by technology type (Self-Inflating, Chip-embedded, and Multi-Chamber), Off-Highway vehicle by equipment type (Industrial vehicle, Agricultural tractors, and Construction and Mining) and Region (North America, Europe, Asia Pacific, and Rest of the World).

The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall advanced tires market and the sub-segments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

-□Analysis of key drivers (Need for advanced tires for the various vehicle type on different road conditions, growth of luxury vehicles, development of advanced tires technology, and government regulations related to emission from tire wear & tear), Restraints (High initial investment, high cost and difficulty in mass production), Opportunities (Demand for industrial vehicle

advanced tires due to automation in warehouse facilities, growing electric sales and increasing development in autonomous vehicles), Challenges (Challenges related to the real-life implementations and low consumer acceptance).

- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the advanced tires market.
- Market Development: Comprehensive information about lucrative markets - the report analyses the advanced tires market across different regions.
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the advanced tires market.
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Bridgestone Corporation (Japan), Continental AG (Germany), The Goodyear Tire and Rubber Company (US), Michelin (France), and Pirelli C & S.p.A (Italy). In the advanced tires market

Table of Contents:

1 INTRODUCTION	25
1.1 STUDY OBJECTIVES	25
1.2 MARKET DEFINITION	26
TABLE 1 ADVANCED TIRES MARKET DEFINITION, BY TYPE	26
TABLE 2 ADVANCED TIRES MARKET DEFINITION, BY TECHNOLOGY TYPE	27
1.2.1 INCLUSIONS AND EXCLUSIONS	28
TABLE 3 INCLUSIONS AND EXCLUSIONS	28
1.3 MARKET SCOPE	29
FIGURE 1 MARKETS COVERED	29
1.3.1 REGIONS COVERED	29
1.3.2 YEARS CONSIDERED	30
1.4 CURRENCY CONSIDERED	30
TABLE 4 CURRENCY EXCHANGE RATES	30
1.5 STAKEHOLDERS	31
2 RESEARCH METHODOLOGY	32
2.1 RESEARCH DATA	32
FIGURE 2 RESEARCH DESIGN: ADVANCED TIRES MARKET	32
FIGURE 3 RESEARCH METHODOLOGY MODEL	33
2.1.1 SECONDARY DATA	34
2.1.1.1 List of key secondary sources to estimate base numbers	35
2.1.1.2 Key data from secondary sources	36
2.1.2 PRIMARY DATA	36
FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS	37
2.1.2.1 Primary participants	37
2.2 MARKET SIZE ESTIMATION	37
FIGURE 5 RESEARCH METHODOLOGY: HYPOTHESIS BUILDING	38
2.2.1 BOTTOM-UP APPROACH	39
FIGURE 6 ADVANCED TIRES MARKET: BOTTOM-UP APPROACH	39
2.2.2 FACTOR ANALYSIS FOR MARKET SIZING: DEMAND AND SUPPLY SIDES	40
2.3 MARKET BREAKDOWN AND DATA TRIANGULATION	41
FIGURE 7 DATA TRIANGULATION METHODOLOGY	41
2.4 FACTOR ANALYSIS	42
2.5 RECESSION IMPACT ANALYSIS	42
2.6 ASSUMPTIONS AND ASSOCIATED RISKS	43

2.6.1 RESEARCH ASSUMPTIONS	43
2.6.2 MARKET ASSUMPTIONS	44
TABLE 5 ASSUMPTIONS, ASSOCIATED RISKS, AND IMPACT	44
2.7 LIMITATIONS	46
3 EXECUTIVE SUMMARY	47
3.1 REPORT SUMMARY	47
FIGURE 8 ADVANCED TIRES MARKET: MARKET OUTLOOK	47
FIGURE 9 ADVANCED TIRES MARKET, BY REGION, 2023 VS. 2030 (USD MILLION)	48
4 PREMIUM INSIGHTS	50
4.1 ATTRACTIVE OPPORTUNITIES IN ADVANCED TIRES MARKET	50
FIGURE 10 RISE IN DEMAND FOR SAFETY AND PERFORMANCE AND INCREASED GOVERNMENT INITIATIVES EXPECTED TO DRIVE GLOBAL MARKET	50
4.2 ON-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY VEHICLE TYPE	51
FIGURE 11 LIGHT-DUTY VEHICLES (LDV) TO ACCOUNT FOR LARGER MARKET SHARE (BY VALUE)	51
4.3 ON-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY TYPE	51
FIGURE 12 RUN-FLAT TIRE SEGMENT TO HAVE FASTEST GROWTH DURING FORECAST PERIOD	51
4.4 ON-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY TECHNOLOGY TYPE	52
FIGURE 13 CHIP-EMBEDDED TIRES TO REGISTER LARGEST SHARE IN 2023	52
4.5 ON-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY MATERIAL TYPE	52
FIGURE 14 ELASTOMERS SEGMENT TO WITNESS HIGHEST GROWTH IN 2023	52
4.6 ON-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY NICHE TECHNOLOGY	53
FIGURE 15 AUTONOMOUS VEHICLE ADVANCED TIRES TO LEAD MARKET DURING FORECAST PERIOD	53
4.7 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY VEHICLE TYPE	53
FIGURE 16 BEV SEGMENT TO HOLD LARGEST SHARE DURING FORECAST PERIOD	53
4.8 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY TYPE	54
FIGURE 17 PNEUMATIC TIRES TO ACCOUNT FOR HIGHEST CAGR DURING FORECAST PERIOD	54
4.9 OFF-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY VEHICLE TYPE	54
FIGURE 18 INDUSTRIAL VEHICLES SEGMENT TO HAVE HIGHEST GROWTH DURING FORECAST PERIOD	54
4.10 OFF-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY TECHNOLOGY	55
FIGURE 19 CHIP-EMBEDDED TIRES TECHNOLOGY SEGMENT TO ACCOUNT FOR LARGEST SHARE DURING FORECAST PERIOD (2023-2030)	55
4.11 ADVANCED TIRES MARKET, BY REGION	55
FIGURE 20 ASIA PACIFIC DOMINATED ADVANCED TIRES MARKET IN 2022	55
5 MARKET OVERVIEW	56
5.1 INTRODUCTION	56
5.2 MARKET DYNAMICS	57
FIGURE 21 ADVANCED TIRES MARKET: MARKET DYNAMICS	57
5.2.1 DRIVERS	58
5.2.1.1 Increased focus on reducing CO ₂ and NO _x	58
5.2.1.2 Focus on convenience and driver assistance features	59
5.2.1.3 High maintenance and replacement costs of OTR tires	60
5.2.2 RESTRAINTS	61
5.2.2.1 High initial investment, high cost, and difficulty in mass production	61
5.2.3 OPPORTUNITIES	62
5.2.3.1 Increased demand for industrial equipment and warehouse automation	62
5.2.3.2 Rising electric vehicle sales and developments in autonomous vehicles	63
5.2.4 CHALLENGES	64

5.2.4.1 Real-life implementation and lower customer acceptance	64
5.3 TRENDS/DISRUPTIONS IMPACTING BUYERS	65
5.4 ADVANCED TIRES MARKET ECOSYSTEM	66
FIGURE 22 ADVANCED TIRES MARKET ECOSYSTEM	66
5.4.1 TIRE MANUFACTURERS	66
5.4.2 TECHNOLOGY PROVIDERS	66
5.4.3 IOT PLATFORM PROVIDERS	67
5.4.4 AUTOMOTIVE OEMS	67
TABLE 6 ADVANCED TIRES MARKET: ROLE OF COMPANIES IN ECOSYSTEM	67
5.5 SUPPLY CHAIN ANALYSIS	68
FIGURE 23 SUPPLY CHAIN ANALYSIS: ADVANCED TIRES MARKET	68
5.6 PRICING ANALYSIS	69
5.6.1 BY REGION, 2022	69
TABLE 7 ADVANCED TIRES AVERAGE PRICE TREND	69
5.6.2 BY TECHNOLOGY, 2022	70
TABLE 8 ADVANCED TIRES AVERAGE PRICE TREND	70
5.7 CASE STUDY ANALYSIS	70
5.7.1 USE CASE 1: EMBRAER CASE STUDY	70
5.7.2 USE CASE 2: FERRARI CASE STUDY	70
5.7.3 USE CASE 3: NEW TIRE MOBILITY SOLUTIONS	71
5.7.4 USE CASE 4: MERCEDES CASE STUDY	71
5.8 TRADE ANALYSIS	71
5.8.1 IMPORT DATA	71
5.8.1.1 US	71
TABLE 9 US: PNEUMATIC TIRE IMPORTS SHARE, BY COUNTRY (VALUE %)	71
5.8.1.2 Mexico	72
TABLE 10 MEXICO: PNEUMATIC TIRE IMPORTS SHARE, BY COUNTRY (VALUE %)	72
5.8.1.3 China	72
TABLE 11 CHINA: PNEUMATIC TIRE IMPORTS SHARE, BY COUNTRY (VALUE %)	72
5.8.1.4 Japan	72
TABLE 12 JAPAN: PNEUMATIC TIRE IMPORTS SHARE, BY COUNTRY (VALUE %)	72
5.8.1.5 India	73
TABLE 13 INDIA: PNEUMATIC TIRE IMPORTS SHARE, BY COUNTRY (VALUE %)	73
5.8.1.6 Germany	73
TABLE 14 GERMANY: PNEUMATIC TIRE IMPORTS SHARE, BY COUNTRY (VALUE %)	73
5.8.1.7 France	73
TABLE 15 FRANCE: PNEUMATIC TIRE IMPORTS SHARE, BY COUNTRY (VALUE %)	73
5.8.1.8 Spain	74
TABLE 16 SPAIN: PNEUMATIC TIRE IMPORTS SHARE, BY COUNTRY (VALUE %)	74
5.8.2 EXPORT DATA	74
5.8.2.1 US	74
TABLE 17 US: PNEUMATIC TIRE EXPORTS SHARE, BY COUNTRY (VALUE %)	74
5.8.2.2 China	74
TABLE 18 CHINA: PNEUMATIC TIRE EXPORTS SHARE, BY COUNTRY (VALUE %)	74
5.8.2.3 Japan	75
TABLE 19 JAPAN: PNEUMATIC TIRE EXPORTS SHARE, BY COUNTRY (VALUE %)	75
5.8.2.4 India	75

TABLE 20 INDIA: PNEUMATIC TIRE EXPORTS SHARE, BY COUNTRY (VALUE %) 75

5.8.2.5 Germany 75

TABLE 21 GERMANY: PNEUMATIC TIRE EXPORTS SHARE, BY COUNTRY (VALUE %) 75

5.8.2.6 France 76

TABLE 22 FRANCE: PNEUMATIC TIRE EXPORTS SHARE, BY COUNTRY (VALUE %) 76

5.8.2.7 Spain 76

TABLE 23 SPAIN: PNEUMATIC TIRE EXPORTS SHARE, BY COUNTRY (VALUE %) 76

5.9 KEY CONFERENCES AND EVENTS IN 2023-2024 77

5.9.1 ADVANCED TIRES MARKET: UPCOMING CONFERENCES AND EVENTS 77

5.10 PATENT ANALYSIS 78

5.10.1 APPLICATIONS AND PATENTS, 2019-2022 78

5.11 BUYING CRITERIA 81

FIGURE 24 KEY BUYING CRITERIA FOR ON-HIGHWAY AND OFF-HIGHWAY VEHICLES 81

TABLE 24 KEY BUYING CRITERIA FOR DIFFERENT TIRE TYPES: ON-HIGHWAY VEHICLE 82

5.12 REGULATORY FRAMEWORK 82

5.12.1 NORTH AMERICA 82

5.12.2 EUROPE 83

5.12.3 ASIA PACIFIC 83

5.13 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS, BY REGION 83

5.13.1 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 83

5.13.2 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 84

5.13.3 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 85

5.14 TECHNOLOGY TRENDS 86

5.14.1 3D-PRINTED TIRES 86

FIGURE 25 3D-PRINTED TIRES 86

5.14.2 RADIO FREQUENCY IDENTIFICATION (RFID) 87

FIGURE 26 RFID TAG TIRES 87

5.14.3 GREEN TIRES 87

5.14.4 ORGANIC TIRES 87

5.14.5 SHAPE-SHIFTING TIRES 88

FIGURE 27 SHAPE-SHIFTING TIRES 88

6 ON-HIGHWAY ADVANCED TIRES MARKET, BY TECHNOLOGY 89

6.1 INTRODUCTION 90

6.1.1 INDUSTRY INSIGHTS 90

FIGURE 28 ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023 VS. 2030 (USD MILLION) 90

TABLE 25 ON-HIGHWAY ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS) 91

TABLE 26 ON-HIGHWAY ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS) 91

TABLE 27 ON-HIGHWAY ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION) 91

TABLE 28 ON-HIGHWAY ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION) 92

6.2 SELF-INFLATING 92

6.2.1 OFFERS IMPROVED SAFETY AND ENHANCED FUEL EFFICIENCY 92

TABLE 29 SELF-INFLATING TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) 92

TABLE 30 SELF-INFLATING TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 93

TABLE 31 SELF-INFLATING TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 93

TABLE 32 SELF-INFLATING TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 93

6.3 CHIP-EMBEDDED 93

6.3.1 FEATURES ELECTRONIC CHIPS EMBEDDED WITHIN RUBBER 93

TABLE 33 CHIP-EMBEDDED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) 94
TABLE 34 CHIP-EMBEDDED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 94
TABLE 35 CHIP-EMBEDDED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 94
TABLE 36 CHIP-EMBEDDED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 95
6.4 ALL-IN-ONE 95
6.4.1 REDUCES VEHICLE WEIGHT TO IMPROVE FUEL EFFICIENCY 95
TABLE 37 ALL-IN-ONE TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 95
TABLE 38 ALL-IN-ONE TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 96
6.5 MULTI-CHAMBER 96
6.5.1 OFFERS BETTER PERFORMANCE AND SAFETY THAN CONVENTIONAL TIRES 96
TABLE 39 MULTI-CHAMBER TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 96
TABLE 40 MULTI-CHAMBER TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 97
6.6 SELF-SEALING 97
6.6.1 PREVENTS AIR LEAKAGE TO MAINTAIN IDEAL TIRE PRESSURE 97
TABLE 41 SELF-SEALING TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) 97
TABLE 42 SELF-SEALING TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 98
TABLE 43 SELF-SEALING TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 98
TABLE 44 SELF-SEALING TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 98
7 ON-HIGHWAY ADVANCED TIRES MARKET, BY TYPE 99
7.1 INTRODUCTION 100
7.1.1 INDUSTRY INSIGHTS 100
FIGURE 29 ADVANCED TIRES MARKET FOR ON-HIGHWAY VEHICLES, BY TYPE, 2023 VS. 2030 (USD MILLION) 101
TABLE 45 ON-HIGHWAY ADVANCED TIRES MARKET, BY TYPE, 2020-2022 ('000 UNITS) 101
TABLE 46 ON-HIGHWAY ADVANCED TIRES MARKET, BY TYPE, 2023-2030 ('000 UNITS) 101
TABLE 47 ON-HIGHWAY ADVANCED TIRES MARKET, BY TYPE, 2020-2022 (USD MILLION) 102
TABLE 48 ON-HIGHWAY ADVANCED TIRES MARKET, BY TYPE, 2023-2030 (USD MILLION) 102
7.2 PNEUMATIC 102
7.2.1 RISING LUXURY VEHICLE DEMAND FITTED WITH HIGH-PERFORMANCE ALL-SEASON AND ALL-TERRAIN TIRES 102
7.2.2 PNEUMATIC HIGH-PERFORMANCE TIRES 103
7.2.3 PNEUMATIC ULTRA-HIGH-PERFORMANCE TIRES 103
7.2.4 PNEUMATIC ALL-SEASON HIGH-PERFORMANCE TIRES 103
TABLE 49 PNEUMATIC: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) 103
TABLE 50 PNEUMATIC: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 103
TABLE 51 PNEUMATIC: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 104
TABLE 52 PNEUMATIC: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 104
7.3 AIRLESS 104
7.3.1 OFFERS REDUCED MAINTENANCE AND INCREASED SAFETY 104
TABLE 53 AIRLESS: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 105
TABLE 54 AIRLESS: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 105
7.4 RUN-FLAT 106
7.4.1 INCREASE SAFETY AND BETTER RIDE COMFORT 106
TABLE 55 RUN-FLAT: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) 106
TABLE 56 RUN-FLAT: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 106
TABLE 57 RUN-FLAT: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 107
TABLE 58 RUN-FLAT: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 107
?
8 ON-HIGHWAY ADVANCED TIRES MARKET, BY MATERIAL TYPE 108

8.1 INTRODUCTION 109

8.1.1 INDUSTRY INSIGHTS 109

FIGURE 30 ADVANCED TIRES MARKET, BY MATERIAL TYPE, 2023 VS. 2030 (USD MILLION) 109

TABLE 59 ON-HIGHWAY ADVANCED TIRES MARKET, BY MATERIAL TYPE, 2020-2022 (THOUSAND KG) 110

TABLE 60 ON-HIGHWAY ADVANCED TIRES MARKET, BY MATERIAL TYPE, 2023-2030 (THOUSAND KG) 110

TABLE 61 ON-HIGHWAY ADVANCED TIRES MARKET, BY MATERIAL TYPE, 2020-2022 (USD MILLION) 110

TABLE 62 ON-HIGHWAY ADVANCED TIRES MARKET, BY MATERIAL TYPE, 2023-2030 (USD MILLION) 111

8.2 ELASTOMERS 111

8.2.1 IMPROVES DURABILITY, FUEL EFFICIENCY, AND ENVIRONMENTAL SUSTAINABILITY 111

TABLE 63 ELASTOMERS: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (THOUSAND KG) 111

TABLE 64 ELASTOMERS: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (THOUSAND KG) 112

TABLE 65 ELASTOMERS: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 112

TABLE 66 ELASTOMERS: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 112

8.3 FILLERS 113

8.3.1 ENHANCES STIFFNESS AND STRENGTH 113

TABLE 67 FILLERS: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (THOUSAND KG) 113

TABLE 68 FILLERS: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (THOUSAND KG) 113

TABLE 69 FILLERS: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 114

TABLE 70 FILLERS: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 114

8.4 STEEL 114

8.4.1 GROWING TREND OF USING LIGHTWEIGHT MATERIAL TO IMPACT DEMAND 114

TABLE 71 STEEL: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (THOUSAND KG) 115

TABLE 72 STEEL: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (THOUSAND KG) 115

TABLE 73 STEEL: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 115

TABLE 74 STEEL: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 115

8.5 OTHER MATERIALS 116

8.5.1 INCREASES LIFESPAN OF TIRES AND OFFERS HIGH ELASTICITY 116

TABLE 75 OTHER MATERIALS: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (THOUSAND KG) 116

TABLE 76 OTHER MATERIALS: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (THOUSAND KG) 116

TABLE 77 OTHER MATERIALS: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 117

TABLE 78 OTHER MATERIALS: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 117

9 ON-HIGHWAY ADVANCED TIRES MARKET, BY VEHICLE TYPE 118

9.1 INTRODUCTION 119

9.1.1 INDUSTRY INSIGHTS 119

FIGURE 31 ADVANCED TIRES MARKET, BY ON-HIGHWAY VEHICLE TYPE, 2023 VS. 2030 (USD MILLION) 119

TABLE 79 ON-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY VEHICLE TYPE, 2020-2022 ('000 UNITS) 120

TABLE 80 ON-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY VEHICLE TYPE, 2023-2030 ('000 UNITS) 120

TABLE 81 ON-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY VEHICLE TYPE, 2020-2022 (USD MILLION) 120

TABLE 82 ON-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY VEHICLE TYPE, 2023-2030 (USD MILLION) 120

9.2 LIGHT-DUTY VEHICLES 121

9.2.1 DEVELOPMENTS IN TIRE TECHNOLOGY TO ACHIEVE IMPROVED FUEL EFFICIENCY AND DURABILITY 121

TABLE 83 LIGHT-DUTY VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) 121

TABLE 84 LIGHT-DUTY VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 121

TABLE 85 LIGHT-DUTY VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 122

TABLE 86 LIGHT-DUTY VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 122

9.3 HEAVY-DUTY VEHICLES 122

9.3.1 ADVANCED TIRES TO PROVIDE EFFICIENT PERFORMANCE TO ENSURE BETTER FLEET OPERATIONS 122

TABLE 87 HEAVY-DUTY VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) □	123
TABLE 88 HEAVY-DUTY VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) □	123
TABLE 89 HEAVY-DUTY VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) □	123
TABLE 90 HEAVY-DUTY VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) □	124
10 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY TYPE □	125
10.1 INTRODUCTION □	126
10.1.1 INDUSTRY INSIGHTS □	126
FIGURE 32 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES MARKET, BY TYPE, 2023 VS. 2030 (USD MILLION) □	126
TABLE 91 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY TYPE, 2020-2022 ('000 UNITS) □	127
TABLE 92 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY TYPE, 2023-2030 ('000 UNITS) □	127
TABLE 93 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY TYPE, 2020-2022 (USD MILLION) □	127
TABLE 94 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY TYPE, 2023-2030 (USD MILLION) □	127
10.2 PNEUMATIC □	128
10.2.1 WIDESPREAD ADOPTION IN ELECTRIC AND HYBRID VEHICLES □	128
TABLE 95 ELECTRIC AND HYBRID VEHICLE PNEUMATIC TIRES, BY REGION, 2020-2022 ('000 UNITS) □	128
TABLE 96 ELECTRIC AND HYBRID VEHICLE PNEUMATIC TIRES, BY REGION, 2023-2030 ('000 UNITS) □	128
TABLE 97 ELECTRIC AND HYBRID VEHICLE PNEUMATIC TIRES, BY REGION, 2020-2022 (USD MILLION) □	128
TABLE 98 ELECTRIC AND HYBRID VEHICLE PNEUMATIC TIRES, BY REGION, 2023-2030 (USD MILLION) □	129
10.3 RUN-FLAT □	129
10.3.1 RISE IN NUMBER OF PREMIUM ELECTRIC VEHICLES INSTALLED WITH RUN-FLAT TECHNOLOGY □	129
TABLE 99 ELECTRIC AND HYBRID VEHICLE RUN-FLAT TIRES, BY REGION, 2020-2022 ('000 UNITS) □	129
TABLE 100 ELECTRIC AND HYBRID VEHICLE RUN-FLAT TIRES, BY REGION, 2023-2030 ('000 UNITS) □	130
TABLE 101 ELECTRIC AND HYBRID VEHICLE RUN-FLAT TIRES, BY REGION, 2020-2022 (USD MILLION) □	130
TABLE 102 ELECTRIC AND HYBRID VEHICLE RUN-FLAT TIRES, BY REGION, 2023-2030 (USD MILLION) □	130
10.4 AIRLESS □	130
10.4.1 LIMITS RISK OF PUNCTURES AND BLOWOUTS □	130
TABLE 103 ELECTRIC AND HYBRID VEHICLE AIRLESS TIRES, BY REGION, 2020-2022 ('000 UNITS) □	131
TABLE 104 ELECTRIC AND HYBRID VEHICLE AIRLESS TIRES, BY REGION, 2023-2030 ('000 UNITS) □	131
TABLE 105 ELECTRIC AND HYBRID VEHICLE AIRLESS TIRES, BY REGION, 2020-2022 (USD MILLION) □	131
TABLE 106 ELECTRIC AND HYBRID VEHICLE AIRLESS TIRES, BY REGION, 2023-2030 (USD MILLION) □	131
11 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY VEHICLE TYPE □	132
11.1 INTRODUCTION □	133
11.1.1 INDUSTRY INSIGHTS □	133
FIGURE 33 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY VEHICLE TYPE, 2023 VS. 2030 (USD MILLION) □	133
TABLE 107 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY VEHICLE TYPE, 2020-2022 ('000 UNITS) □	134
TABLE 108 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY VEHICLE TYPE, 2023-2030 ('000 UNITS) □	134
TABLE 109 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY VEHICLE TYPE, 2020-2022 (USD MILLION) □	134
TABLE 110 ADVANCED TIRES FOR ELECTRIC AND HYBRID VEHICLES, BY VEHICLE TYPE, 2023-2030 (USD MILLION) □	134
11.2 BATTERY ELECTRIC VEHICLES □	135
11.2.1 INCREASED DEMAND TO COMBAT EMISSIONS AND RISING COSTS □	135
TABLE 111 BATTERY ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) □	135
TABLE 112 BATTERY ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) □	135
TABLE 113 BATTERY ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) □	136
TABLE 114 BATTERY ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) □	136
11.3 PLUG-IN HYBRID ELECTRIC VEHICLES □	136
11.3.1 EQUIPPED WITH ALL-SEASON TIRES □	136
TABLE 115 PLUG-IN HYBRID ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) □	137

TABLE 116 PLUG-IN HYBRID ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) □	137
TABLE 117 PLUG-IN HYBRID ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) □	137
TABLE 118 PLUG-IN HYBRID ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) □	137
11.4 FUEL CELL ELECTRIC VEHICLES □	138
11.4.1 RISING R&D EFFORTS FOR NEW MODELS □	138
TABLE 119 FUEL CELL ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) □	138
TABLE 120 FUEL CELL ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) □	138
TABLE 121 FUEL CELL ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) □	139
TABLE 122 FUEL CELL ELECTRIC VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) □	139
12 OFF-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY TECHNOLOGY □	140
12.1 INTRODUCTION □	141
12.1.1 INDUSTRY INSIGHTS □	141
FIGURE 34 OFF-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023 VS. 2030 (USD MILLION) □	141
TABLE 123 OFF-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS) □	142
TABLE 124 OFF-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS) □	142
TABLE 125 OFF-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION) □	142
TABLE 126 OFF-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION) □	142
?	
12.2 SELF-INFLATING □	143
12.2.1 ADJUSTS TIRE PRESSURE AS PER TERRAIN AND DRIVING CONDITIONS □	143
TABLE 127 SELF-INFLATING: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) □	143
TABLE 128 SELF-INFLATING: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) □	143
TABLE 129 SELF-INFLATING: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) □	144
TABLE 130 SELF-INFLATING: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) □	144
12.3 CHIP-EMBEDDED □	144
12.3.1 COLLECTS AND TRANSMITS DATA ON TIRE PARAMETERS □	144
TABLE 131 CHIP-EMBEDDED: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) □	145
TABLE 132 CHIP-EMBEDDED: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) □	145
TABLE 133 CHIP-EMBEDDED: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) □	145
TABLE 134 CHIP-EMBEDDED: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) □	145
12.4 MULTI-CHAMBER □	146
12.4.1 ELEVATES OFF-ROAD PERFORMANCE □	146
TABLE 135 MULTI-CHAMBER: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) □	146
TABLE 136 MULTI-CHAMBER: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) □	146
13 OFF-HIGHWAY ADVANCED TIRES MARKET, BY VEHICLE TYPE □	147
13.1 INTRODUCTION □	148
13.1.1 INDUSTRY INSIGHTS □	148
FIGURE 35 ADVANCED TIRES MARKET, BY OFF-HIGHWAY VEHICLE TYPE, 2023 VS. 2030 (USD MILLION) □	148
TABLE 137 ADVANCED TIRES MARKET, BY OFF-HIGHWAY VEHICLE TYPE, 2020-2022 ('000 UNITS) □	149
TABLE 138 ADVANCED TIRES MARKET, BY OFF-HIGHWAY VEHICLE TYPE, 2023-2030 ('000 UNITS) □	149
TABLE 139 ADVANCED TIRES MARKET, BY OFF-HIGHWAY VEHICLE TYPE, 2020-2022 (USD MILLION) □	149
TABLE 140 ADVANCED TIRES MARKET, BY OFF-HIGHWAY VEHICLE TYPE, 2023-2030 (USD MILLION) □	149
13.2 INDUSTRIAL VEHICLES □	150
13.2.1 OPERATE IN WAREHOUSING AND MANUFACTURING FACILITIES □	150
TABLE 141 INDUSTRIAL VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) □	150
TABLE 142 INDUSTRIAL VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) □	150
TABLE 143 INDUSTRIAL VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) □	151

TABLE 144 INDUSTRIAL VEHICLES: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 151

13.3 CONSTRUCTION AND MINING EQUIPMENT 151

13.3.1 INCREASED USAGE DUE TO INFRASTRUCTURE DEVELOPMENT 151

TABLE 145 CONSTRUCTION AND MINING EQUIPMENT: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) 152

TABLE 146 CONSTRUCTION AND MINING EQUIPMENT: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 152

TABLE 147 CONSTRUCTION AND MINING EQUIPMENT: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 152

TABLE 148 CONSTRUCTION AND MINING EQUIPMENT: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 153

13.4 AGRICULTURAL TRACTORS 153

13.4.1 HIGH DEMAND DUE TO INCREASED PRODUCTION OF CASH-RICH CROPS 153

TABLE 149 AGRICULTURAL TRACTORS: ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) 153

TABLE 150 AGRICULTURAL TRACTORS: ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 154

TABLE 151 AGRICULTURAL TRACTORS: ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 154

TABLE 152 AGRICULTURAL TRACTORS: ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 154

14 ON-HIGHWAY VEHICLE ADVANCED TIRES MARKET, BY NICHE TECHNOLOGY 155

14.1 INTRODUCTION 156

14.1.1 INDUSTRY INSIGHTS 156

FIGURE 36 ADVANCED TIRES MARKET, BY NICHE TECHNOLOGY, 2023 VS. 2030 (USD MILLION) 156

TABLE 153 ADVANCED TIRES MARKET, BY NICHE TECHNOLOGY, 2020-2022 ('000 UNITS) 157

TABLE 154 ADVANCED TIRES MARKET, BY NICHE TECHNOLOGY, 2023-2030 ('000 UNITS) 157

TABLE 155 ADVANCED TIRES MARKET, BY NICHE TECHNOLOGY, 2020-2022 (USD MILLION) 157

TABLE 156 ADVANCED TIRES MARKET, BY NICHE TECHNOLOGY, 2023-2030 (USD MILLION) 157

14.2 3D-PRINTED TIRES 158

14.2.1 IDEAL OPTION FOR LONG-TERM USAGE 158

TABLE 157 3D-PRINTED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 158

TABLE 158 3D-PRINTED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 158

14.3 AUTONOMOUS VEHICLE ADVANCED TIRES 159

14.3.1 SUPPORT CONNECTED MOBILITY WITH IMPROVED SELF-DRIVING EXPERIENCE 159

TABLE 159 AUTONOMOUS VEHICLE ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) 159

TABLE 160 AUTONOMOUS VEHICLE ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 159

TABLE 161 AUTONOMOUS VEHICLE ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 160

TABLE 162 AUTONOMOUS VEHICLE ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 160

15 ADVANCED TIRES MARKET, BY REGION 161

15.1 INTRODUCTION 162

15.1.1 INDUSTRY INSIGHTS 162

FIGURE 37 ADVANCED TIRES MARKET, BY REGION, 2023-2030 (USD MILLION) 163

TABLE 163 ADVANCED TIRES MARKET, BY REGION, 2020-2022 ('000 UNITS) 163

TABLE 164 ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 163

TABLE 165 ADVANCED TIRES MARKET, BY REGION, 2020-2022 (USD MILLION) 164

TABLE 166 ADVANCED TIRES MARKET, BY REGION, 2023-2030 ('000 UNITS) 164

15.2 ASIA PACIFIC 164

15.2.1 RECESSION IMPACT 164

FIGURE 38 ASIA PACIFIC: ADVANCED TIRES MARKET, 2023-2030 (USD MILLION) 165

TABLE 167 ASIA PACIFIC: ADVANCED TIRES MARKET, BY COUNTRY, 2020-2022 ('000 UNITS) 166

TABLE 168 ASIA PACIFIC: ADVANCED TIRES MARKET, BY COUNTRY, 2023-2030 ('000 UNITS) 166

TABLE 169 ASIA PACIFIC: ADVANCED TIRES MARKET, BY COUNTRY, 2020-2022 (USD MILLION) 166

TABLE 170 ASIA PACIFIC: ADVANCED TIRES MARKET, BY COUNTRY, 2023-2030 (USD MILLION) 167

15.2.2 CHINA 167

15.2.2.1 Large-scale vehicle production with increased adoption of safety features	167
TABLE 171 CHINA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS)	167
TABLE 172 CHINA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS)	168
TABLE 173 CHINA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION)	168
TABLE 174 CHINA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION)	168
15.2.3 INDIA	169
15.2.3.1 Rising demand due to increased sales of premium vehicles	169
TABLE 175 INDIA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS)	169
TABLE 176 INDIA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION)	169
15.2.4 JAPAN	170
15.2.4.1 R&D investments to cater to various industries	170
TABLE 177 JAPAN: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS)	170
TABLE 178 JAPAN: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS)	170
TABLE 179 JAPAN: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION)	171
TABLE 180 JAPAN: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION)	171
15.2.5 SOUTH KOREA	172
15.2.5.1 Increased demand for advanced tire solutions	172
TABLE 181 SOUTH KOREA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS)	172
TABLE 182 SOUTH KOREA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS)	172
TABLE 183 SOUTH KOREA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION)	173
TABLE 184 SOUTH KOREA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION)	173
15.2.6 REST OF ASIA PACIFIC	174
15.2.6.1 Investments from major tire manufacturers	174
TABLE 185 REST OF ASIA PACIFIC: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS)	174
TABLE 186 REST OF ASIA PACIFIC: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION)	174
15.3 EUROPE	175
15.3.1 RECESSION IMPACT	175
FIGURE 39 EUROPE: ADVANCED TIRES MARKET SNAPSHOT	176
TABLE 187 EUROPE: ADVANCED TIRES MARKET, BY COUNTRY, 2020-2022 ('000 UNITS)	176
TABLE 188 EUROPE: ADVANCED TIRES MARKET, BY COUNTRY, 2023-2030 ('000 UNITS)	177
TABLE 189 EUROPE: ADVANCED TIRES MARKET, BY COUNTRY, 2020-2022 (USD MILLION)	177
TABLE 190 EUROPE: ADVANCED TIRES MARKET, BY COUNTRY, 2023-2030 (USD MILLION)	177
15.3.2 GERMANY	178
15.3.2.1 Increased sales of luxury cars and growing consumer awareness about safety and comfort	178
TABLE 191 GERMANY: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS)	178
TABLE 192 GERMANY: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS)	178
TABLE 193 GERMANY: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION)	179
TABLE 194 GERMANY: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION)	179
15.3.3 FRANCE	180
15.3.3.1 Focus on R&D investments, technological innovations, and government regulations	180
TABLE 195 FRANCE: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS)	180
TABLE 196 FRANCE: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS)	180
TABLE 197 FRANCE: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION)	181
TABLE 198 FRANCE: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION)	181
15.3.4 UK	181
15.3.4.1 Advancements in technology, OEM collaborations, and demand for fleet management	181
TABLE 199 UK: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS)	182

TABLE 200 UK: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS) 182

TABLE 201 UK: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION) 182

TABLE 202 UK: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION) 183

15.3.5 SPAIN 183

15.3.5.1 Rising government initiatives toward safety and OEM focus on adoption of advanced tires 183

TABLE 203 SPAIN: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS) 183

TABLE 204 SPAIN: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS) 184

TABLE 205 SPAIN: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION) 184

TABLE 206 SPAIN: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION) 184

15.3.6 ITALY 185

15.3.6.1 Consistent demand for advanced tires 185

TABLE 207 ITALY: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS) 185

TABLE 208 ITALY: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS) 185

TABLE 209 ITALY: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION) 186

TABLE 210 ITALY: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION) 186

15.3.7 RUSSIA 186

15.3.7.1 Decline in demand due to disruptions in supply chain 186

TABLE 211 RUSSIA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS) 187

TABLE 212 RUSSIA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS) 187

TABLE 213 RUSSIA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION) 187

TABLE 214 RUSSIA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION) 188

15.3.8 REST OF EUROPE 188

TABLE 215 REST OF EUROPE: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS) 188

TABLE 216 REST OF EUROPE: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS) 189

TABLE 217 REST OF EUROPE: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION) 189

TABLE 218 REST OF EUROPE: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION) 189

15.4 NORTH AMERICA 190

15.4.1 RECESSION IMPACT 190

FIGURE 40 NORTH AMERICA: ADVANCED TIRES MARKET SNAPSHOT 191

TABLE 219 NORTH AMERICA: ADVANCED TIRES MARKET, BY COUNTRY, 2020-2022 ('000 UNITS) 191

TABLE 220 NORTH AMERICA: ADVANCED TIRES MARKET, BY COUNTRY, 2023-2030 ('000 UNITS) 192

TABLE 221 NORTH AMERICA: ADVANCED TIRES MARKET, BY COUNTRY, 2020-2022 (USD MILLION) 192

TABLE 222 NORTH AMERICA: ADVANCED TIRES MARKET, BY COUNTRY, 2023-2030 (USD MILLION) 192

15.4.2 US 192

15.4.2.1 Customer demand for safety and comfort 192

TABLE 223 US: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS) 193

TABLE 224 US: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS) 193

TABLE 225 US: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION) 193

TABLE 226 US: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION) 194

15.4.3 CANADA 194

15.4.3.1 Heavy-duty vehicles to provide steady growth 194

TABLE 227 CANADA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS) 194

TABLE 228 CANADA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS) 195

TABLE 229 CANADA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION) 195

TABLE 230 CANADA: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION) 195

15.4.4 MEXICO 196

15.4.4.1 US-Mexico trade to support development of technologically advanced vehicles 196

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TABLE 231 MEXICO: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 ('000 UNITS) 196

TABLE 232 MEXICO: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 ('000 UNITS) 196

TABLE 233 MEXICO: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2020-2022 (USD MILLION) 197

TABLE 234 MEXICO: ADVANCED TIRES MARKET, BY TECHNOLOGY, 2023-2030 (USD MILLION) 197

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