

Manganese Market Research Report by Type (High Carbon Ferromanganese, Medium Carbon Ferromanganese, Low Carbon Ferromanganese, Silicon-Manganese, Electrolyte Manganese Metal, Electrolyte Manganese Dioxide), by Application (Coloring Agent, Oxidizing Agent, Alloying Additive, Polarizer, Others), by Grade [Low Grade Manganese Ore (Below 35% Mn), Medium Grade Manganese Ore (35%-44% Mn), High Grade Manganese Ore (More than 44% Mn)], by End-Use Industry (Steel, Batteries, Non-Ferrous Alloys, Chemicals, Glass, Others), by Grade X End Use Industry [Low Grade Manganese Ore (Steel, Chemicals, Glass, Others), Medium Grade Manganese Ore (Steel, Batteries, Non-Ferrous Alloys, Chemicals, Glass, Others), High Grade Manganese Ore (Steel, Batteries, Non-Ferrous Alloys, Glass, Others)] Forecast till 2035

Market Report | 2025-11-12 | 229 pages | Market Research Future

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- \$7250.00

Report description:

The Global Manganese Market is projected to reach USD 18,007.8 million by 2035, growing at a CAGR of 5.6% from 2025 to 2035.

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Manganese is a hard, silver-gray metal that is commonly found in minerals such as pyrolusite and is very important for the process of steel strengthening and refining.

Advancements in Ore Beneficiation

Modern beneficiation technologies are enabling producers to upgrade lower-grade manganese ores, improving supply stability and product quality. These innovations not only attract customers of the newly upgraded materials with less waste and more product quality but also facilitate the manufacture of high-value alloy and battery-grade materials.

Market Segmentation Overview

By Type

- High Carbon Ferromanganese - strengthens structural steel grades.
- Medium Carbon Ferromanganese - supports cleaner alloy production.
- Low Carbon Ferromanganese - ideal for precision steel applications.
- Silicon-Manganese - enhances steel toughness and deoxidation.
- Electrolytic Manganese Metal - used in high-purity alloys.
- Electrolytic Manganese Dioxide - essential for battery cathodes.

By Application

- Coloring Agent - provides durable color pigments.
- Oxidizing Agent - boosts chemical reaction efficiency.
- Alloying Additive - improves metal performance properties.
- Polarizer - used in battery electrode layers.
- Others - serve multiple industrial processing needs.

By Grade

- Low Grade Ore - suited for bulk uses.
- Medium Grade Ore - balances cost and quality.
- High Grade Ore - preferred for premium alloys.

By End-Use Industry

- Steel - consumes the majority of the manganese supply.
- Batteries - supports lithium-ion and dry-cell.
- Non-Ferrous Alloys - improves alloy durability.
- Chemicals - used in catalysts and reagents.
- Glass - enhances color and clarity.
- Others - applied across diverse industries.

Regional Analysis

North America and Europe show steady manganese demand driven by steel, batteries, and sustainability-focused technologies. The Asia-Pacific region is still the largest consumer, mainly due to its solid steel production and rapid electric vehicle (EV) growth. South America and Africa are major contributors to global supply as they both have great reserves and are expanding their mining operations.

Expanding Industrial and Energy Demand

As steel production, infrastructure growth, and EV battery manufacturing continue to grow rapidly around the world, the global manganese market is becoming more robust. To create value-added products and technological innovations, the demand for high-purity manganese keeps increasing.

Key Report Attributes

- Market Size 2024: USD 9,792.094 Million

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- Market Size 2035: USD 18,007.8 Million
- CAGR (2025-2035): 5.6%
- Base Year: 2024
- Market Forecast Period: 2025-2035

Industry Segmentations Growth

- By Type: High Carbon Ferromanganese - 2.6%, Medium Carbon Ferromanganese - 2.9%.
- By Application: Coloring Agent - 4.5%, Oxidizing Agent - 4.7%.
- By Grade: Low Grade Manganese Ore (Below 35% Mn) - 2.7%, Medium Grade Manganese Ore (35%-44% Mn) - 3.3%.
- By End-Use Industry: Steel - 3.3%, Batteries - 5.8%.

Table of Contents:

TABLE OF CONTENTS

1 EXECUTIVE SUMMARY	. 20
2 MARKET INTRODUCTION	28
2.1 DEFINITION	28
2.2 SCOPE OF THE STUDY	. 28
2.3 RESEARCH OBJECTIVE	. 28
3 RESEARCH METHODOLOGY	. 29
3.1 OVERVIEW	29
3.2 DATA FLOW	32
3.2.1 DATA MINING PROCESS	. 32
3.3 PURCHASED DATABASE:	. 33
3.4 SECONDARY SOURCES:	. 34
3.4.1 SECONDARY RESEARCH DATA FLOW:	35
3.5 PRIMARY RESEARCH:	35
3.5.1 PRIMARY RESEARCH DATA FLOW:	. 37
3.5.2 PRIMARY RESEARCH: NUMBER OF INTERVIEWS CONDUCTED	. 38
3.5.3 PRIMARY RESEARCH: REGIONAL COVERAGE	. 38
3.6 APPROACHES FOR MARKET SIZE ESTIMATION:	. 39
3.6.1 CONSUMPTION & NET TRADE APPROACH	. 39
3.6.2 REVENUE ANALYSIS APPROACH	39
3.7 DATA FORECASTING	40
3.7.1 DATA FORECASTING TECHNIQUE	40
3.8 DATA MODELING	41
3.8.1 MICROECONOMIC FACTOR ANALYSIS:	. 41
3.8.2 DATA MODELING:	42
3.9 TEAMS AND ANALYST CONTRIBUTION	. 43
4 MARKET DYNAMICS	. 46
4.1 INTRODUCTION	46
4.2 DRIVERS	47
4.2.1 RISING STEEL PRODUCTION	47
4.2.2 RISING GLOBAL EV ADOPTION	53
4.2.3 GROWING DEMAND IN GREEN STEEL INITIATIVES	55
4.2.4 MINING EXPANSION IN AFRICA & LATIN AMERICA	57
4.2.5 TECHNOLOGICAL ADVANCEMENTS IN ORE BENEFICIATION	. 58
4.2.6 GROWING USE IN SPECIALTY CHEMICALS	. 59

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4.3 RESTRAINTS	. 60
4.3.1 FLUCTUATING MANGANESE ORE PRICES	. 60
4.3.2 ENVIRONMENTAL AND REGULATORY COMPLIANCE	61
4.3.3 VOLATILITY IN GLOBAL STEEL PRODUCTION IMPACTING MANGANESE ORE DEMAND	63
4.4 OPPORTUNITY	64
4.4.1 DEVELOPMENT OF HIGH-PURITY LOW-CARBON FERROALLOYS FOR ADVANCED STEELS	64
4.4.2 HIGH-MANGANESE BATTERY CATHODES	. 65
4.4.3 EXPANSION OF VALUE-ADDED MANGANESE PRODUCTS	66
5 MARKET FACTOR ANALYSIS	. 68
5.1 SUPPLY/VALUE CHAIN ANALYSIS	68
5.1.1 PARTICIPANTS	68
5.1.1.1 RAW MATERIALS SUPPLIERS	. 68
5.1.1.1.1 RAW MATERIAL SELECTION & PROCUREMENT	. 68
5.1.1.1.2 QUALITY AND PURITY STANDARDS	69
5.1.1.1.3 LIST OF RAW MATERIAL SUPPLIERS (COMPANY NAME, HEADQUARTERS, CONTACT DETAILS)	. 70
5.1.1.2 MANGANESE PROCESSORS AND REFINERS	70
5.1.1.2.1 LIST OF MANGANESE PROCESSORS AND REFINERS (COMPANY NAME, HEADQUARTERS, CONTACT DETAILS)	. 72
5.1.1.3 DISTRIBUTION CHANNEL	72
5.1.1.3.1 LOGISTICS	72
5.1.1.3.2 SALES AND MARKETING STRATEGIES	. 73
5.1.1.3.3 LIST OF MANGANESE DISTRIBUTORS (COMPANY NAME, HEADQUARTERS, CONTACT DETAILS)	74
5.1.1.4 END-USERS	. 74
5.2 PORTER'S FIVE FORCES MODEL	. 76
5.2.1 THREAT OF NEW ENTRANTS	76
5.2.2 THREAT OF SUBSTITUTES	77
5.2.3 BARGAINING POWER OF SUPPLIERS	. 77
5.2.4 BARGAINING POWER OF BUYERS	77
5.2.5 INTENSITY OF RIVALRY	78
5.3 PRICING ANALYSIS, BY REGION (USD/TON)	78
SOURCE: MRFR ANALYSIS	. 79
5.4 BUSINESS ENVIRONMENT ANALYSIS	. 80
5.4.1 PESTEL ANALYSIS	80
5.5 REGULATORY FRAMEWORK	81
5.5.1 GOVERNMENTAL POLICIES	. 81
5.5.2 KEY STANDARDS	82
6 GLOBAL MANGANESE MARKET, BY TYPE	85
6.1 OVERVIEW	85
6.2 HIGH CARBON FERROMANGANESE	. 85
6.3 MEDIUM CARBON FERROMANGANESE	87
6.4 LOW CARBON FERROMANGANESE	88
6.5 SILICON-MANGANESE	88
6.6 ELECTROLYTE MANGANESE METAL	. 89
6.7 ELECTROLYTE MANGANESE DIOXIDE	. 90
7 GLOBAL MANGANESE MARKET, BY APPLICATION	94
7.1 OVERVIEW	94
7.2 COLORING AGENT	94
7.3 OXIDIZING AGENT	94

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7.4 ALLOYING ADDITIVE	. 95
7.5 POLARIZER	95
7.6 OTHERS	. 95
8 GLOBAL MANGANESE MARKET, BY GRADE	. 98
8.1 OVERVIEW	98
8.2 LOW GRADE MANGANESE ORE (BELOW 35% MN)	98
8.3 MEDIUM GRADE MANGANESE ORE (35%-44% MN)	98
8.4 HIGH GRADE MANGANESE ORE (MORE THAN 44% MN)	. 99
9 GLOBAL MANGANESE MARKET, BY END-USE INDUSTRY	. 102
9.1 OVERVIEW	102
9.2 STEEL	. 102
9.3 BATTERIES	. 102
9.4 NON-FERROUS ALLOYS	. 103
9.5 CHEMICALS	103
9.6 GLASS	103
9.7 OTHERS	. 104
10 GLOBAL MANGANESE MARKET, BY GRADE X END-USE INDUSTRY	107
10.1 OVERVIEW	107
11 GLOBAL MANGANESE MARKET, BY REGION	. 111
11.1 OVERVIEW	111
11.2 NORTH AMERICA	. 113
11.3 EUROPE	. 113
11.4 ASIA PACIFIC	113
11.5 SOUTH AMERICA	. 114
11.6 MIDDLE EAST & AFRICA	114
12 COMPETITIVE LANDSCAPE	. 116
12.1 INTRODUCTION	116
12.2 MARKET SHARE ANALYSIS, 2024	. 117
12.3 COMPARATIVE ANALYSIS: KEY PLAYERS FINANCIAL	118
12.4 KEY PLAYERS SORTED BASED ON MINING & PROCESSED PRODUCTS	119
12.5 MARKET STRATEGY ANALYSIS	120
12.5.1 ACQUISITIONS TO EXPAND PRODUCTION AND CONTROL SUPPLY CHAINS	. 120
12.5.2 STRATEGIC PARTNERSHIPS TO ENHANCE VALUE CHAIN	120
12.5.3 OPERATIONAL RESTORATIONS AND PERFORMANCE OPTIMIZATION	120
12.5.4 SUSTAINABILITY AND GREEN ENERGY INITIATIVES	121
12.5.5 MARKET DIVERSIFICATION AND EXPORT GROWTH	. 121
12.6 KEY DEVELOPMENTS & GROWTH STRATEGIES	122
12.6.1 BUSINESS PARTNERSHIP, DEVELOPMENT, AGREEMENT, EXPANSION, OPERATION RESTORATION, GRANT, PRICE REVISION, EXPORT, BUSINESS SALE, MERGER, SUSTAINABILITY, CORPORATE RATING	. 122
12.6.2 ACQUISITION	. 137
13 COMPANY PROFILES	. 139
13.1 ERAMET	. 139
13.1.1 COMPANY OVERVIEW	. 139
13.1.2 FINANCIAL OVERVIEW	. 140
13.1.3 PRODUCTS OFFERED	. 140
13.1.4 KEY DEVELOPMENTS	144
13.1.5 SWOT ANALYSIS	. 145

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13.1.6 KEY STRATEGY	. 145
13.2 SOUTH32	. 146
13.2.1 COMPANY OVERVIEW	. 146
13.2.2 FINANCIAL OVERVIEW	. 147
13.2.3 PRODUCTS OFFERED	. 147
13.2.4 KEY DEVELOPMENTS	147
13.2.5 SWOT ANALYSIS	. 150
13.2.6 KEY STRATEGY	. 150
13.3 MOIL LIMITED	151
13.3.1 COMPANY OVERVIEW	. 151
13.3.2 FINANCIAL OVERVIEW	. 152
13.3.3 PRODUCTS OFFERED	152
13.3.4 KEY DEVELOPMENTS	153
13.3.5 SWOT ANALYSIS	155
13.3.6 KEY STRATEGY	. 156
13.4 JUPITER MINES	. 157
13.4.1 COMPANY OVERVIEW	. 157
13.4.2 FINANCIAL OVERVIEW	. 158
13.4.3 PRODUCTS OFFERED	. 159
13.4.4 KEY DEVELOPMENTS	159
13.4.5 SWOT ANALYSIS	. 160
13.4.6 KEY STRATEGY	. 161
13.5 LHG MINING	. 162
13.5.1 COMPANY OVERVIEW	. 162
13.5.2 FINANCIAL OVERVIEW	. 163
13.5.3 PRODUCTS OFFERED	. 163
13.5.4 KEY DEVELOPMENTS	164
13.5.5 SWOT ANALYSIS	. 165
13.5.6 KEY STRATEGY	. 165
13.6 OM HOLDINGS LIMITED	. 166
13.6.1 COMPANY OVERVIEW	. 166
13.6.2 FINANCIAL OVERVIEW	. 167
13.6.3 PRODUCTS OFFERED	. 168
13.6.4 KEY DEVELOPMENTS	168
13.6.5 SWOT ANALYSIS	. 170
13.6.6 KEY STRATEGY	. 170
13.7 UNITED MANGANESE OF KALAHARI	171
13.7.1 COMPANY OVERVIEW	. 171
13.7.2 FINANCIAL OVERVIEW	. 172
13.7.3 PRODUCTS OFFERED	. 172
13.7.4 KEY DEVELOPMENTS	173
13.7.5 SWOT ANALYSIS	. 174
13.7.6 KEY STRATEGY	. 174
13.8 ASSMANG PROPRIETARY LIMITED	. 175
13.8.1 COMPANY OVERVIEW	. 175
13.8.2 FINANCIAL OVERVIEW	. 176
13.8.3 PRODUCTS OFFERED	. 176

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13.8.4 KEY DEVELOPMENTS	177
13.8.5 SWOT ANALYSIS	. 177
13.8.6 KEY STRATEGY	. 178
13.9 ANGLO AMERICAN	179
13.9.1 COMPANY OVERVIEW	. 179
13.9.2 FINANCIAL OVERVIEW	. 180
13.9.3 PRODUCTS OFFERED	. 180
13.9.4 KEY DEVELOPMENTS	181
13.9.5 SWOT ANALYSIS	. 182
13.9.6 KEY STRATEGY	. 182
13.10 AML HOLDINGS LLC	. 183
13.10.1 COMPANY OVERVIEW	. 183
13.10.2 FINANCIAL OVERVIEW	. 184
13.10.3 PRODUCTS OFFERED	. 184
13.10.4 KEY DEVELOPMENTS	185
13.10.5 SWOT ANALYSIS	. 186
13.10.6 KEY STRATEGY	. 186
13.11 NOUVELLE GABON MINING (NGM)	. 187
13.11.1 COMPANY OVERVIEW	. 187
13.11.2 FINANCIAL OVERVIEW	. 187
13.11.3 PRODUCTS OFFERED	. 188
13.11.4 KEY DEVELOPMENTS	189
13.11.5 SWOT ANALYSIS	. 189
13.11.6 KEY STRATEGY	. 189
13.12 GHANA MANGANESE COMPANY LIMITED	. 191
13.12.1 COMPANY OVERVIEW	. 191
13.12.2 FINANCIAL OVERVIEW	. 192
13.12.3 PRODUCTS OFFERED	. 192
13.12.4 KEY DEVELOPMENTS	192
13.12.5 SWOT ANALYSIS	. 194
13.12.6 KEY STRATEGY	. 195
13.13 FERROGLOBE PLC	. 196
13.13.1 COMPANY OVERVIEW	. 196
13.13.2 FINANCIAL OVERVIEW	. 197
13.13.3 PRODUCTS OFFERED	197
13.13.4 KEY DEVELOPMENTS	198
13.13.5 SWOT ANALYSIS	199
13.13.6 KEY STRATEGY	. 199
13.14 MAITHAN ALLOYS LTD	. 200
13.14.1 COMPANY OVERVIEW	. 200
13.14.2 FINANCIAL OVERVIEW	. 201
13.14.3 PRODUCTS OFFERED	. 201
13.14.4 KEY DEVELOPMENTS	202
13.14.5 SWOT ANALYSIS	. 202
13.14.6 KEY STRATEGY	. 203
13.15 NIPPON DENKO	204
13.15.1 COMPANY OVERVIEW	. 204

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13.15.2 FINANCIAL OVERVIEW	. 205
13.15.3 PRODUCTS OFFERED	. 206
13.15.4 KEY DEVELOPMENTS	206
13.15.5 SWOT ANALYSIS	. 207
13.15.6 KEY STRATEGY	. 207
13.16 MANGANESE METAL COMPANY	. 208
13.16.1 COMPANY OVERVIEW	. 208
13.16.2 FINANCIAL OVERVIEW	. 209
13.16.3 PRODUCTS OFFERED	. 209
13.16.4 KEY DEVELOPMENTS	210
13.16.5 SWOT ANALYSIS	. 211
13.16.6 KEY STRATEGY	. 211
13.17 MANMOHAN MINERALS & CHEMICALS PVT LTD	212
13.17.1 COMPANY OVERVIEW	. 212
13.17.2 FINANCIAL OVERVIEW	. 213
13.17.3 PRODUCTS OFFERED	. 213
13.17.4 KEY DEVELOPMENTS	213
13.17.5 SWOT ANALYSIS	. 214
13.17.6 KEY STRATEGY	. 214
13.18 GFG ALLIANCE	. 215
13.18.1 COMPANY OVERVIEW	. 215
13.18.2 FINANCIAL OVERVIEW	. 216
13.18.3 PRODUCTS OFFERED	. 216
13.18.4 KEY DEVELOPMENTS	217
13.18.5 SWOT ANALYSIS	. 218
13.18.6 KEY STRATEGY	. 218
13.19 AUTLAN	219
13.19.1 COMPANY OVERVIEW	. 219
13.19.2 FINANCIAL OVERVIEW	. 220
13.19.3 PRODUCTS OFFERED	. 220
13.19.4 KEY DEVELOPMENTS	221
13.19.5 SWOT ANALYSIS	. 223
13.19.6 KEY STRATEGY	. 223
13.20 MARINGA GROUP	. 224
13.20.1 COMPANY OVERVIEW	. 224
13.20.2 FINANCIAL OVERVIEW	. 225
13.20.3 PRODUCTS OFFERED	. 225
13.20.4 KEY DEVELOPMENTS	225
13.20.5 SWOT ANALYSIS	. 226
13.20.6 KEY STRATEGY	. 226
13.21 DATA CITATIONS	. 227

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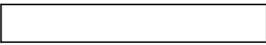
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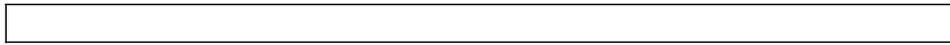
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