

Titanium - Company Evaluation Report, 2025

Market Report | 2025-08-01 | 140 pages | MarketsandMarkets

AVAILABLE LICENSES:

- Single User \$2650.00
- Corporate License \$4250.00

Report description:

The Titanium Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Titanium. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 90 companies, of which the Top 10 Titanium Companies were categorized and recognized as quadrant leaders.

The global titanium market encompasses two primary products: titanium dioxide (TiO₂) and titanium metal. Titanium dioxide, discovered in 1821, was first applied in Norway for industrial purposes. When used as a pigment, it is known as titanium white, Pigment White 6 (PW6), or CI 7789. The mineral sources of titanium dioxide include ilmenite (titanium-iron oxide), rutile, and anatase. Its mass tone, which lies between the warmer lead white and the cooler zinc white, provides superior tinting strength compared to both, with a slower drying time than lead white and faster than zinc white. Today, titanium dioxide is the leading global pigment used for achieving whiteness, brightness, and opacity.

As a naturally occurring oxide of titanium, titanium dioxide boasts the highest refractive index of any material and is one of the whitest substances on Earth. When finely ground, it forms a pigment that delivers exceptional whiteness and opacity. Its key properties include high melting and boiling points, light scattering ability, non-toxicity, chemical inertness, photocatalytic activity, opaqueness, and UV resistance. These characteristics make titanium dioxide highly sought after in industries such as paints and coatings, plastics, paper, inks, building materials, cosmetics, pharmaceuticals, food products, and more.

The 360 Quadrant maps Titanium companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Titanium quadrant. The top criteria for product footprint evaluation included By Product Type (Titanium Dioxide, Titanium Dioxide), By End-Use Industry (Paints & Coatings, Plastics & Rubber, Paper, Other Titanium Dioxide End-use Industries).

Key Players

Key players in the Titanium market include major global corporations and specialized innovators such as The Chemours Company, Venator Materials PLC, Tronox Holdings Plc., LB Group, and Kronos Worldwide, Inc, Tayca Co., Ltd., Evonik, INEOS and Cinkarna, Iluka Resources Limited. These companies are actively investing in research and development, forming strategic partnerships, and engaging in collaborative initiatives to drive innovation, expand their global footprint, and maintain a competitive edge in this rapidly evolving market.

Top 3 Companies

The Chemours Company

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

The Chemours Company is a leading global chemical company specializing in performance chemicals, providing essential products and technologies across a variety of industries. Founded in 2015 as a DuPont spin-off, they emphasize innovation, sustainability, and operational excellence. The company operates through three main segments: Thermal & Specialized Solutions, Titanium Technologies, and Advanced Performance Materials. Chemours is recognized for its commitment to environmental sustainability, safety, and high-quality performance. Among its product offerings are titanium dioxide, refrigerants, and specialty compounds, all of which are crucial to sectors such as consumer goods, electronics, construction, and automotive.

Tronox Holdings Plc.

Tronox Holdings Plc. is a global leader in the production and distribution of titanium dioxide pigments, which are widely used in industries such as paints and coatings, plastics, paper, and specialty chemicals to enhance brightness, opacity, and durability. The company manages the entire value chain, from mining mineral sands to producing high-performance pigments, making it one of the most vertically integrated titanium producers worldwide. With operations across North America, South America, Europe, Asia Pacific, and Africa, Tronox ensures a reliable and consistent supply of high-quality titanium feedstock, reducing dependence on external suppliers. Tronox's integrated business model, which covers the extraction, processing, and pigment production of titanium-bearing mineral sands, provides the company with a significant competitive advantage.

LB Group

LB Group is one of the largest manufacturers of titanium dioxide pigments globally, offering high-performance solutions to industries such as paper, coatings, plastics, and inks. Headquartered in Jiaozuo, Henan Province, China, the company operates several production facilities in Jiaozuo, Deyang, Xiangyang, Chuxiong, and Jinchang. With over 35 years of expertise in the field, LB Group manufactures TiO₂ pigments using both sulfate and chloride processes, ensuring a diverse range of high-quality products. In its pursuit of vertical integration, LB Group owns an ilmenite mine in Panzhihua, Sichuan Province, providing a reliable and consistent supply of raw materials. The company has expanded its global presence with sales offices in North America and Europe, serving a broad international customer base across various industries.

Table of Contents:

1	INTRODUCTION	14
1.1	MARKET DEFINITION	14
1.2	STAKEHOLDERS	14
2	EXECUTIVE SUMMARY	15
3	MARKET OVERVIEW	19
3.1	INTRODUCTION	19
3.2	MARKET DYNAMICS	19
3.2.1	DRIVERS	20
3.2.1.1	Increasing use of titanium dioxide in paints & coatings industry	20
3.2.1.2	Increasing number of aircraft deliveries	20
3.2.1.3	Growing demand for titanium from medical industry	21
3.2.1.4	Surging demand for lightweight vehicles	21
3.2.2	RESTRAINTS	21
3.2.2.1	Stringent environmental policies regarding production of titanium dioxide	21
3.2.2.2	Complex manufacturing process	22
3.2.3	OPPORTUNITIES	22
3.2.3.1	Efficient use of titanium dioxide in lithium-ion battery components	22
3.2.3.2	Growing adoption of titanium powder in additive manufacturing	23
3.2.3.3	Potential use in advancing sustainable packaging and printing solutions	23
3.2.3.4	Increasing demand for titanium in clean energy production	23
3.2.4	CHALLENGES	24

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

3.2.4.1	Uncertainty about safety of titanium dioxide	24
3.2.4.2	Fluctuations in prices of raw materials	24
3.2.4.3	Maintenance of uninterrupted supply chain	24
3.3	PORTER'S FIVE FORCES ANALYSIS	25
3.3.1	THREAT OF NEW ENTRANTS	25
3.3.2	THREAT OF SUBSTITUTES	26
3.3.3	BARGAINING POWER OF SUPPLIERS	26
3.3.4	BARGAINING POWER OF BUYERS	26
3.3.5	INTENSITY OF COMPETITIVE RIVALRY	26
3.4	SUPPLY CHAIN ANALYSIS	27
3.5	ECOSYSTEM ANALYSIS	28
3.6	VALUE CHAIN ANALYSIS	29
?		
3.7	TECHNOLOGY ANALYSIS	30
3.7.1	KEY TECHNOLOGIES FOR TITANIUM MANUFACTURING PROCESSES	30
3.7.1.1	Kroll process	30
3.7.1.2	Hydrogen sintering and phase transformation (HSPT)	30
3.7.1.3	Electron beam direct energy deposition (EB-DED)	30
3.7.2	COMPLEMENTARY TECHNOLOGIES FOR MANUFACTURING TITANIUM	31
3.7.2.1	FFC Cambridge process	31
3.8	IMPACT OF AI/GEN AI ON TITANIUM MARKET	31
3.8.1	TOP USE CASES AND MARKET POTENTIAL	31
3.8.2	BEST PRACTICES IN TITANIUM MARKET	32
3.8.3	CASE STUDIES OF AI IMPLEMENTATION IN TITANIUM MARKET	32
3.9	PATENT ANALYSIS	32
3.9.1	INTRODUCTION	32
3.9.2	METHODOLOGY	33
3.9.3	PATENT TYPES	33
3.9.4	INSIGHTS	34
3.9.5	LEGAL STATUS	34
3.9.6	JURISDICTION ANALYSIS	35
3.9.7	TOP APPLICANTS	35
3.10	KEY CONFERENCES AND EVENTS, 2025-2026	38
4	COMPETITIVE LANDSCAPE	39
4.1	OVERVIEW	39
4.2	KEY PLAYER STRATEGIES/RIGHT TO WIN	39
4.3	REVENUE ANALYSIS, 2024	42
4.4	MARKET SHARE ANALYSIS, 2024	44
4.5	BRAND/PRODUCT COMPARATIVE ANALYSIS	48
4.6	COMPANY EVALUATION MATRIX: KEY PLAYERS, TITANIUM DIOXIDE, 2024	50
4.6.1	STARS	50
4.6.2	EMERGING LEADERS	50
4.6.3	PERVASIVE PLAYERS	50
4.6.4	PARTICIPANTS	50
4.7	COMPANY EVALUATION MATRIX: KEY PLAYERS, TITANIUM METAL, 2024	52
4.7.1	STARS	52
4.7.2	EMERGING LEADERS	52

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

4.7.3	PERVASIVE PLAYERS	52
4.7.4	PARTICIPANTS	52
4.7.5	COMPANY FOOTPRINT: KEY PLAYERS, 2024	54
4.7.5.1	Company footprint	54
4.7.5.2	Region footprint	55
4.7.5.3	Product type footprint	56
4.7.5.4	End-use industry footprint	57
4.8	COMPANY EVALUATION MATRIX: STARTUPS/SMES, TITANIUM DIOXIDE, 2024	58
4.8.1	PROGRESSIVE COMPANIES	58
4.8.2	RESPONSIVE COMPANIES	58
4.8.3	DYNAMIC COMPANIES	58
4.8.4	STARTING BLOCKS	58
4.9	COMPANY EVALUATION MATRIX: STARTUPS/SMES, TITANIUM METAL, 2024	60
4.9.1	PROGRESSIVE COMPANIES	60
4.9.2	RESPONSIVE COMPANIES	60
4.9.3	DYNAMIC COMPANIES	60
4.9.4	STARTING BLOCKS	60
4.9.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024	62
4.9.5.1	Detailed list of key startups/SMEs	62
4.9.5.2	Competitive benchmarking of key startups/SMEs	62
4.9.5.3	Competitive benchmarking of key startups/SMEs	63
4.10	COMPANY VALUATION AND FINANCIAL METRICS	63
4.11	COMPETITIVE SCENARIO	65
4.11.1	PRODUCT LAUNCHES	65
4.11.2	DEALS	66
4.11.3	EXPANSIONS	67
4.11.4	OTHER DEVELOPMENTS	68
5	COMPANY PROFILES	69
5.1	KEY PLAYERS	69
5.1.1	VENATOR MATERIALS PLC.	69
5.1.1.1	Business overview	69
5.1.1.2	Products/Solutions/Services offered	70
5.1.1.3	Recent developments	71
5.1.1.3.1	Others	71
5.1.1.4	MnM view	71
5.1.1.4.1	Right to win	71
5.1.1.4.2	Strategic choices	71
5.1.1.4.3	Weaknesses and competitive threats	72
5.1.2	THE CHEMOURS COMPANY	73
5.1.2.1	Business overview	73
5.1.2.2	Products/Solutions/Services offered	74
5.1.2.3	Recent developments	75
5.1.2.3.1	Product launches	75
5.1.2.3.2	Expansions	75
5.1.2.3.3	Others	76
5.1.2.4	MnM view	76
5.1.2.4.1	Right to win	76

5.1.2.4.2	Strategic choices	76
5.1.2.4.3	Weaknesses and competitive threats	76
5.1.3	TRONOX HOLDINGS PLC.	77
5.1.3.1	Business overview	77
5.1.3.2	Products/Solutions/Services offered	78
5.1.3.3	MnM view	78
5.1.3.3.1	Right to win	78
5.1.3.3.2	Strategic choices	78
5.1.3.3.3	Weaknesses and competitive threats	78
5.1.4	LB GROUP	79
5.1.4.1	Business overview	79
5.1.4.2	Products/Solutions/Services offered	80
5.1.4.3	Recent developments	81
5.1.4.3.1	Expansions	81
5.1.4.3.2	Others	81
5.1.4.4	MnM view	82
5.1.4.4.1	Right to win	82
5.1.4.4.2	Strategic choices	82
5.1.4.4.3	Weaknesses and competitive threats	82
5.1.5	KRONOS WORLDWIDE, INC.	83
5.1.5.1	Business overview	83
5.1.5.2	Products/Solutions/Services offered	84
5.1.5.3	Recent developments	84
5.1.5.3.1	Deals	84
5.1.5.4	MnM view	84
5.1.5.4.1	Right to win	84
5.1.5.4.2	Strategic choices	85
5.1.5.4.3	Weaknesses and competitive threats	85
5.1.6	INEOS	86
5.1.6.1	Business overview	86
5.1.6.2	Products/Solutions/Services offered	87
5.1.6.3	MnM view	88
5.1.6.3.1	Right to win	88
5.1.6.3.2	Strategic choices	88
5.1.6.3.3	Weaknesses and competitive threats	88
5.1.7	CINKARNA CELJE, D.D.	89
5.1.7.1	Business overview	89
5.1.7.2	Products/Solutions/Services offered	90
5.1.7.3	MnM view	91
5.1.7.3.1	Right to win	91
5.1.7.3.2	Strategic choices	91
5.1.7.3.3	Weaknesses and competitive threats	91
?		
5.1.8	EVONIK	92
5.1.8.1	Business overview	92
5.1.8.2	Products/Solutions/Services offered	93
5.1.8.3	MnM view	94

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.1.8.3.1	Right to win	94
5.1.8.3.2	Strategic choices	94
5.1.8.3.3	Weaknesses and competitive threats	94
5.1.9	TAYCA CO., LTD.	95
5.1.9.1	Business overview	95
5.1.9.2	Products/Solutions/Services offered	96
5.1.9.3	Recent developments	97
5.1.9.3.1	Expansions	97
5.1.9.4	MnM view	97
5.1.9.4.1	Right to win	97
5.1.9.4.2	Strategic choices	97
5.1.9.4.3	Weaknesses and competitive threats	97
5.1.10	ILUKA RESOURCES LIMITED	98
5.1.10.1	Business overview	98
5.1.10.2	Products/Solutions/Services offered	99
5.1.10.3	MnM view	100
5.1.10.3.1	Right to win	100
5.1.10.3.2	Strategic choices	100
5.1.10.3.3	Weaknesses and competitive threats	100
5.1.11	AMG	101
5.1.11.1	Business overview	101
5.1.11.2	Products/Solutions/Services offered	102
5.1.11.3	MnM view	103
5.1.11.3.1	Right to win	103
5.1.11.3.2	Strategic choices	103
5.1.11.3.3	Weaknesses and competitive threats	103
5.1.12	ATI	104
5.1.12.1	Business overview	104
5.1.12.2	Products/Solutions/Services offered	105
5.1.12.3	Recent developments	106
5.1.12.3.1	Expansions	106
5.1.12.3.2	Others	106
5.1.12.4	MnM view	106
5.1.12.4.1	Right to win	106
5.1.12.4.2	Strategic choices	107
5.1.12.4.3	Weaknesses and competitive threats	107
?		
5.1.13	TOHO TITANIUM CO., LTD.	108
5.1.13.1	Business overview	108
5.1.13.2	Products/Solutions/Services offered	109
5.1.13.3	MnM view	109
5.1.13.3.1	Right to win	109
5.1.13.3.2	Strategic choices	110
5.1.13.3.3	Weaknesses and competitive threats	110
5.1.14	PRECISION CASTPARTS CORP. (TITANIUM METALS CORPORATION)	111
5.1.14.1	Business overview	111
5.1.14.2	Products/Solutions/Services offered	111

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.1.14.3	MnM view	112
5.1.14.3.1	Right to win	112
5.1.14.3.2	Strategic choices	112
5.1.14.3.3	Weaknesses and competitive threats	112
5.1.15	UST-KAMENOGORSK TITANIUM AND MAGNESIUM PLANT JSC	113
5.1.15.1	Business overview	113
5.1.15.2	Products/Solutions/Services offered	114
5.1.15.3	Recent developments	115
5.1.15.3.1	Deals	115
5.1.15.4	MnM view	115
5.1.15.4.1	Right to win	115
5.1.15.4.2	Strategic choices	115
5.1.15.4.3	Weaknesses and competitive threats	116
5.1.16	VSMPO-AVISMA CORPORATION	117
5.1.16.1	Business overview	117
5.1.16.2	Products/Solutions/Services offered	117
5.1.16.3	MnM view	118
5.1.16.3.1	Right to win	118
5.1.16.3.2	Strategic choices	118
5.1.16.3.3	Weaknesses and competitive threats	118
5.1.17	OSAKA TITANIUM TECHNOLOGIES CO., LTD.	119
5.1.17.1	Business overview	119
5.1.17.2	Products/Solutions/Services offered	120
5.1.17.3	MnM view	120
5.1.17.3.1	Right to win	120
5.1.17.3.2	Strategic choices	120
5.1.17.3.3	Weaknesses and competitive threats	120
5.1.18	BAOJI TITANIUM INDUSTRY CO., LTD.	121
5.1.18.1	Business overview	121
5.1.18.2	Products/Solutions/Services offered	122
?		
5.1.18.3	MnM view	123
5.1.18.3.1	Right to win	123
5.1.18.3.2	Strategic choices	123
5.1.18.3.3	Weaknesses and competitive threats	123
5.2	OTHER PLAYERS	124
5.2.1	ISHIHARA SANGYO KAISHA, LTD.	124
5.2.2	SHANGHAI JIUTA CHEMICAL CO., LTD.	125
5.2.3	GRUPA AZOTY	126
5.2.4	SWASTIK INTERCHEM PRIVATE LIMITED	127
5.2.5	AMERICAN ELEMENTS	128
5.2.6	THE KERALA MINERALS & METALS LIMITED	129
5.2.7	THE KISH COMPANY, LLC	130
5.2.8	ATTM	130
5.2.9	AVICNET CO. INC.	131
5.2.10	ZAPOROZHYE TITANIUM & MAGNESIUM COMBINE	132
5.2.11	POSCO	133

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

6	APPENDIX	134
6.1	RESEARCH METHODOLOGY	134
6.1.1	RESEARCH DATA	134
6.1.1.1	Secondary data	135
6.1.1.2	Primary data	135
6.1.2	RESEARCH ASSUMPTIONS	136
6.1.3	RESEARCH LIMITATIONS AND RISK ASSESSMENT	137
6.2	COMPANY EVALUATION MATRIX: METHODOLOGY	137
6.3	AUTHOR DETAILS	140

Titanium - Company Evaluation Report, 2025

Market Report | 2025-08-01 | 140 pages | MarketsandMarkets

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$2650.00
	Corporate License	\$4250.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-10"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com