

# Market Study: Titanium Dioxide (TiO<sub>2</sub>)



World Report (4<sup>th</sup> edition)

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# This brochure provides further information on the study “Titanium Dioxide (4<sup>th</sup> edition)”

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(For each country: revenues, production, import & export, and demand)

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- 3.5.1 China
- 3.5.2 India
- 3.5.3 Japan
- 3.5.4 South Korea
- 3.5.5 Other Asia-Pacific

### 4 Company Profiles\*

#### 4.1 Western Europe

- Germany (1 Producer)
- Ireland (1)
- United Kingdom (4)

#### 4.2 Eastern Europe

- Czechia (1)
- Poland (1)
- Slovenia (1)
- Ukraine (4)

#### 4.3 North America

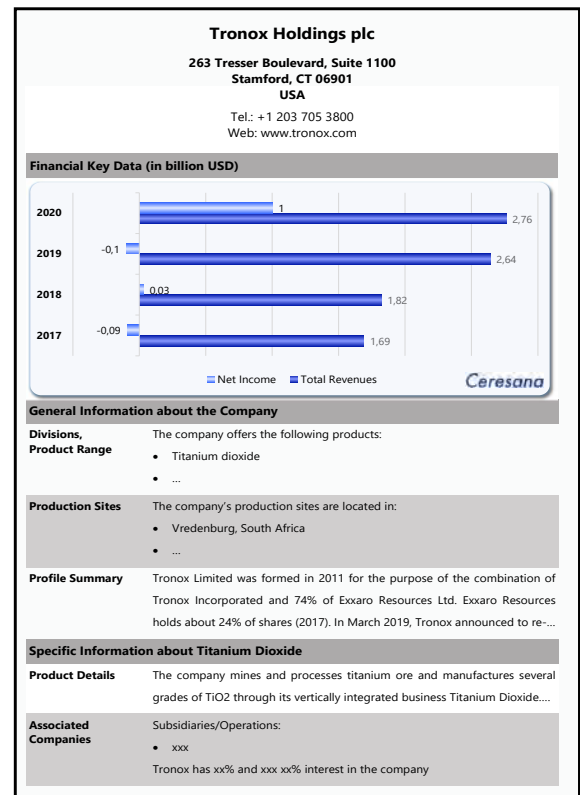
- USA (3)

#### 4.4 Asia-Pacific

- Australia (4)
- China (20)
- India (6)
- Japan (4)
- South Korea (1)
- Sri Lanka (1)

#### 4.5 Africa

- Mozambique (2)



• xxx		
Tronox has xx% and xxx xx% interest in the operation site		
<b>Production Site – TiO2 Pigment (current)</b>	Capacity (tonnes/year)	
Kwinana, Australia	xxx,000	
...	...	
<b>Total Capacity (current)</b>	xxx,000	
<b>Production Site – TiO2 Pigment (planned)</b>	Start-Up	Capacity (tonnes/year)
xxx	2024	+xx,000
<b>Total Capacity (2024)</b>	xxx,000	
<b>Production Site – Rutile (current)</b>	Capacity (tonnes/year)	
Australia	xxx,000	
...	...	
<b>Total Capacity (current)</b>	xxx,700	
<b>Production Site – Rutile (planned)</b>	Start-Up	Capacity (tonnes/year)
xxx	2023	xx,000
<b>Total Capacity (2023)</b>	xxx,700	
<b>Production Site – Ilmenite (current)</b>	Capacity (tonnes/year)	
xxx	xxx,000	
...	...	
<b>Total Capacity (current)</b>	xxx,000	
<b>Production Site – Ilmenite (planned)</b>	Start-Up	Capacity (tonnes/year)
xxx	2023	xxx,000
<b>Total Capacity (2023)</b>	xxx,000	
<b>Production Site – Titanium Slag (current)</b>	Capacity (tonnes/year)	
xxx	xxx,800	
...	...	
<b>Total Capacity (current)</b>	xxx,400	

\*Note: The profiles are assigned to the country in which the company or holding is headquartered. Profiles also include JVs and subsidiaries.

# Market Study: "Titanium Dioxide (4<sup>th</sup> edition)"

16 Countries, 54 Producers, 300 Pages, 78 Graphs, 205 Tables, 04/2022

## Summary

**Chapter 1** offers an analysis of the world market for titanium dioxide raw materials: ranging from the naturally occurring source materials ilmenite and rutile, the intermediates titanium slag and synthetic rutile, to their respective areas of application. This chapter offers information regarding revenues, demand, and production according to each product type. Additionally, demand for raw materials is divided into the areas pigment production, other applications, and those quantities that are further refined into intermediate products such as titanium slag and synthetic rutile.

**Chapter 2** examines the most important application area of titanium dioxide: white pigments. Current data regarding the global development of revenues, demand, individual sales markets, and production are supplemented by forecasts for the titanium dioxide market up to the year 2030.

**Chapter 3** offers information regarding the markets for titanium dioxide in the 16 most important countries. In addition to import, export, supply and demand, the application of TiO<sub>2</sub> pigments in each sales market is analyzed:

- Paints and coatings
- Paper
- Plastics
- Other applications

**Chapter 4** contains company profiles of the most important titanium dioxide manufacturers, i.e., the producers of titanium dioxide pigments, ilmenite, natural and synthetic rutile, and titanium slag. The useful index is structured according to contact data, revenues, profits, product palette, production sites, capacities, and a brief company profile. Detailed profiles are offered for 54 manufacturers, such as Group DF, Iluka Resources Ltd., Kenmare Resources plc, Kronos Worldwide Inc., The Chemours Company, Tronox Holdings plc, TiZir Limited und Venator Materials PLC.

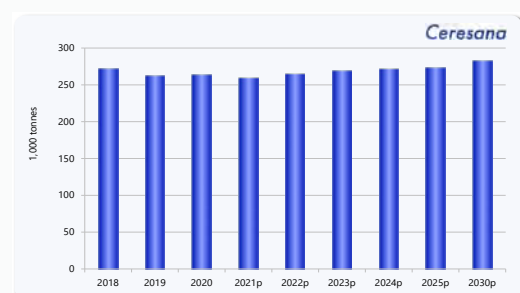
### 3 Market Data: Titanium Dioxide Pigments - Countries

#### 3.1 Western Europe

##### 3.1.2 Germany

###### 3.1.2.1 Demand and Revenues

Demand for pigments in Germany amounted to X tonnes in 2020. We expect demand to increase by an average growth rate of X% p.a. and to reach about X tonnes in 2030. Revenues generated with pigments amounted to about EUR X million in 2020. We expect an average increase of X% per year until 2030.



Graph: Demand for pigments in Germany from 2018 to 2030

In 2020, the application area paints and coatings accounted for the largest share of total demand for pigments. Demand in the area plastics is likely to develop the most dynamically at a rate of X% p.a.

Revenues	2018	2019	2020	2021p	2022p	2023p	2024p	2025p	2030p	2020-2030
million USD	X	X	X	X	X	X	X	X	X	X% p.a.
million EUR	X	X	X	X	X	X	X	X	X	X% p.a.

Table: Revenues generated with pigments in Germany from 2018 to 2030 in million USD and million EUR

in 1,000 tonnes	2018	2019	2020	2021p	2022p	2023p	2024p	2025p	2030p	2020-2030
Paints and Coatings	X	X	X	X	X	X	X	X	X	X% p.a.
Paper	X	X	X	X	X	X	X	X	X	X% p.a.
Plastics	X	X	X	X	X	X	X	X	X	X% p.a.
Other	X	X	X	X	X	X	X	X	X	X% p.a.
<b>Total</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X% p.a.</b>

Table: Demand for pigments in Germany from 2018 to 2030 – split by application

###### 3.1.2.2 Production and Trade

The German production volume for pigments amounted to about X tonnes in 2020. This value is expected to increase by approx. X% p.a. to around X tonnes by 2030.

in 1,000 tonnes	2018	2019	2020	2021p	2022p	2023p	2024p	2025p	2030p	2020-2030
Production	X	X	X	X	X	X	X	X	X	X% p.a.
Import	X	X	X	X	X	X	X	X	X	X% p.a.
Export	X	X	X	X	X	X	X	X	X	X% p.a.
<b>Demand</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X% p.a.</b>

Table: Production, import, and export of and demand for pigments in Germany from 2018 to 2030

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Packaging

