

# Global Tantalum Nitride Powder Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Tantalum Nitride Powder market size is expected to reach \$ 258 million by 2032, rising at a market growth of 10.4% CAGR during the forecast period (2026-2032).

In 2025, global sales of tantalum nitride powder reached 680 tons, with an average selling price of US\$185,000 per ton. Tantalum nitride powder is a high-performance ceramic-metal composite powder material prepared from high-purity tantalum powder through nitriding reaction or plasma process. It has high melting point, high hardness, excellent conductivity and corrosion resistance, and is widely used in semiconductor thin film deposition targets, hard coatings, electronic components, capacitors and aerospace high-temperature structural materials. It can maintain stable performance in high temperature and high corrosion environments and is an important functional material for advanced electronics and high-end manufacturing. The total industry capacity is about 850 tons, with a gross profit margin of 35%-50%. The upstream raw materials mainly include high-purity tantalum powder, nitrogen and high-temperature reaction consumables. Downstream suppliers are mainly semiconductor material manufacturers, target manufacturers and special coating companies. The future development is concentrated in advanced process semiconductor thin film materials, high-temperature functional coatings and high-end electronic devices. Demand is driven by the upgrading of semiconductor manufacturing and the development of high-end equipment. Business opportunities are reflected in the high added value growth space brought about by the domestic substitution of high-purity nano-level powder and the continuous expansion of new electronic materials.

This report studies the global Tantalum Nitride Powder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Tantalum Nitride Powder and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Tantalum Nitride Powder that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Tantalum Nitride Powder total production and demand, 2021-2032, (Tons)

Global Tantalum Nitride Powder total production value, 2021-2032, (USD Million)

Global Tantalum Nitride Powder production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Tantalum Nitride Powder consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Tantalum Nitride Powder domestic production, consumption, key domestic manufacturers and share

Global Tantalum Nitride Powder production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Tantalum Nitride Powder production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Tantalum Nitride Powder production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Tantalum Nitride Powder market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Princeton Powder, AEM Metal, HEQICHEM, E FORU Materials Inc, FUSHI, DIMU, FUNCMATER, Anhui Fitech Material Co., Ltd., ATT Advanced Elemental Materials Co.,Ltd., TRUNNANO, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Tantalum Nitride Powder market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by

manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Tantalum Nitride Powder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Tantalum Nitride Powder Market, Segmentation by Type:

Nanoscale Powder

Submicron/Fine Powder

Micron-scale Powder

#### Global Tantalum Nitride Powder Market, Segmentation by Crystal Structure:

?-TaN (Hexagonal)

?-TaN (Cubic)

### Global Tantalum Nitride Powder Market, Segmentation by Purity:

Purity: 99.5%

Purity: 99.9%-99.99%

Purity: 99.999%

### Global Tantalum Nitride Powder Market, Segmentation by Application:

Aerospace

Electronic Components

Others

### Companies Profiled:

Princeton Powder

AEM Metal

HEQICHEM

E FORU Materials Inc

FUSHI

DIMU

FUNCMATER

Anhui Fitech Material Co., Ltd.

ATT Advanced Elemental Materials Co.,Ltd.

TRUNNANO

Edgetech Industries LLC

LEDPHOR

Shanghai Xinglu Chemical

**Key Questions Answered:**

1. How big is the global Tantalum Nitride Powder market?
2. What is the demand of the global Tantalum Nitride Powder market?
3. What is the year over year growth of the global Tantalum Nitride Powder market?
4. What is the production and production value of the global Tantalum Nitride Powder market?
5. Who are the key producers in the global Tantalum Nitride Powder market?
6. What are the growth factors driving the market demand?

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