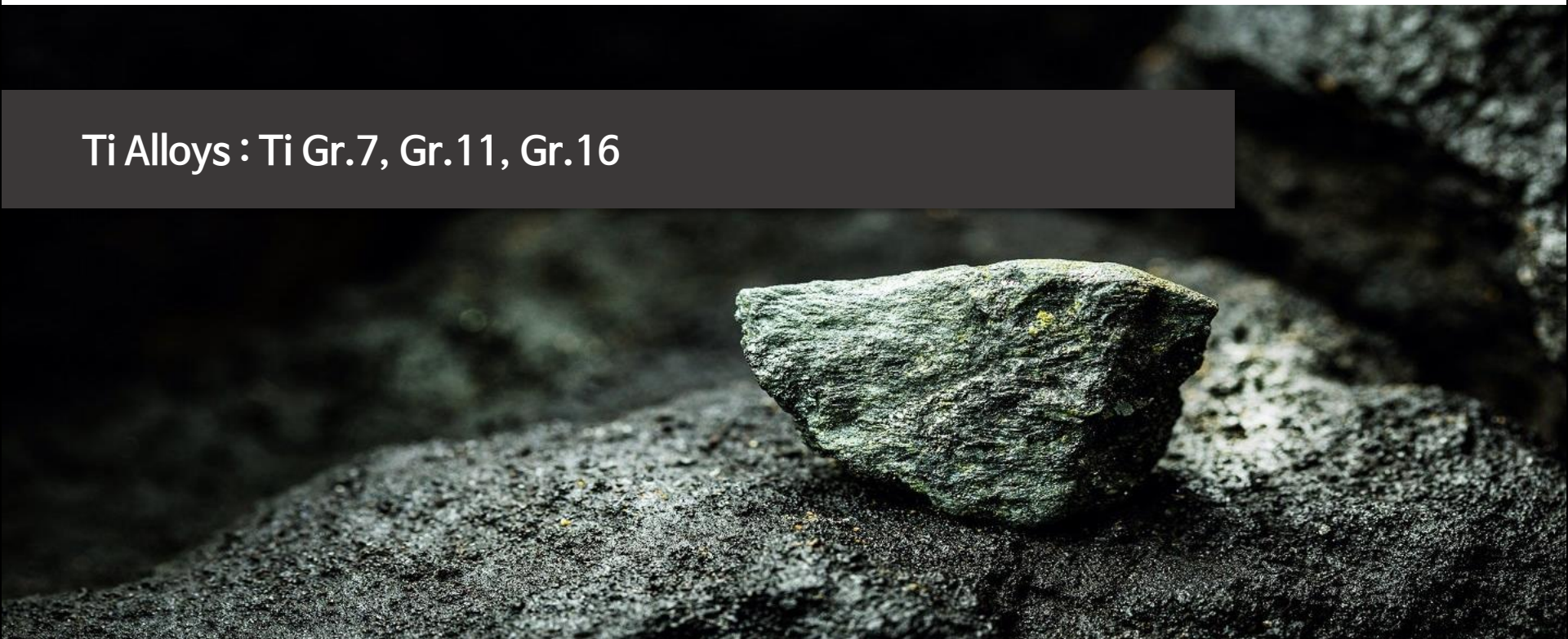


## Ti Alloys : Ti Gr.7, Gr.11, Gr.16



## Price Reporting

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## Introduction to Metals

Alloy	Chemical Composition
Ti Gr.7	<a href="#">Click</a>
Ti Gr.11	<a href="#">Click</a>
Ti Gr.16	<a href="#">Click</a>

## Reporting Duration

February 10, 2025 - February 14, 2025 Alloy Price Analysis including Titanium Alloys

## Palladium Price Surge Drives Up Titanium Alloy Costs



<Ti Gr.7 price graph, 3 months>



<Ti Gr.11 price graph, 3 months>



<Ti Gr.16 price graph, 3 months>

- In recent weeks, prices for key titanium alloys, including **Ti Gr.7** and **Ti Gr.11**, have risen notably, driven by a significant jump in palladium prices.
- Ti Gr.7 and Ti Gr.11 saw an increase of \$1.68, reaching \$69.10–70.78 per kg.
- Meanwhile, **Ti Gr.16** experienced a smaller rise of \$0.46, now priced at \$27.85–28.31 per kg.
- These fluctuations are closely tied to the growing palladium prices, which have surged over \$900 in just one week.

## Palladium Price Dynamics: Economic Uncertainty and Inflation Concerns



<Pd price graph, 3 months>

- Palladium prices recently surged to \$31,733.07–32,665.45 per kg, an increase of \$932.38 from the previous week.
- Experts attribute this rise to multiple factors, primarily U.S. trade policy concerns and inflation fears. The uncertainty surrounding tariff discussions under the Trump administration has created a volatile global economic environment, prompting investors to seek out safe-haven assets such as palladium.
- Additionally, inflation fears, fueled by an uptick in the U.S. producer price index (PPI), have pushed demand for precious metals like palladium even higher.

### Impact on Automotive Industry and Titanium Alloys

- As palladium is primarily used in automotive catalysts, its price fluctuations heavily affect industries reliant on these materials.
- The demand for palladium from the automotive sector is expected to continue driving its price, though the global rise of electric vehicles (EVs) poses a long-term challenge.
- EVs require fewer traditional automotive parts, which could reduce the need for palladium, ultimately impacting its price.

### Looking Ahead: Factors Influencing Palladium's Future Price Movement

- Looking forward, palladium prices will likely remain volatile.
- The future of the automotive industry, particularly the shift toward EVs, combined with ongoing political and economic uncertainties, will continue to influence palladium's price.
- Furthermore, monetary policies—especially interest rate changes in the U.S.—will play a crucial role.
- Higher interest rates could make palladium less attractive, while lower rates could drive prices up further.

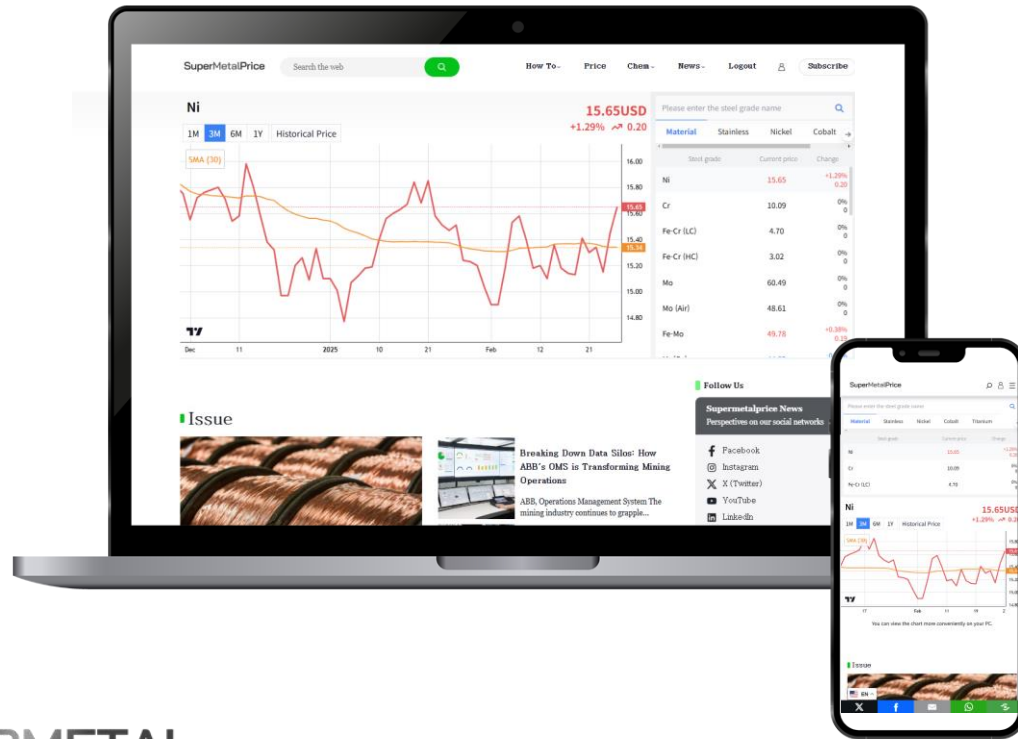
### Conclusion: Continued Volatility Expected

- In the short term, palladium prices are expected to remain high, largely due to economic uncertainties and geopolitical tensions.
- However, long-term fluctuations in the automotive industry and shifts in interest rate policies will determine the future trajectory of palladium prices, and in turn, the prices of titanium alloys like Ti Gr.7, Gr.11, and Gr.16.

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