

Global Molybdenum and Molybdenum Alloy Sputtering Targets Market Growth 2026-2032

<https://marketpublishers.com/r/GE9F7C1B464EEN.html>

Date: July 2026

Pages: 89

Price: US\$ 3,660.00 (Single User License)

ID: GE9F7C1B464EEN

Abstracts

The global Molybdenum and Molybdenum Alloy Sputtering Targets market size is predicted to grow from US\$ 645 million in 2025 to US\$ 956 million in 2032; it is expected to grow at a CAGR of 6.0% from 2026 to 2032.

In 2025, global Molybdenum and Molybdenum Alloy Sputtering Targets production reached approximately 3,900 tons, with an average global market price of around US\$178 per kilogram. Molybdenum (Mo) is a high-melting-point refractory metal (2,617°C) known for its excellent electrical conductivity, thermal stability, and low thermal expansion. Molybdenum sputtering targets (pure or alloyed with Nb, Ti, W, or Al) are high-purity materials used in physical vapor deposition (PVD) to apply thin, conductive, and durable coatings in electronics, displays, and solar cells.

Based on our research, molybdenum and molybdenum alloy sputtering targets are critical PVD materials in the display, semiconductor, thin-film photovoltaic, and functional coating value chains. Unlike conventional molybdenum plates, rods, or powders, sputtering targets require strict control over purity, density, oxygen content, grain structure, particle performance, sputtering stability, dimensional precision, and bonding quality. Flat panel display remains the largest demand driver, as molybdenum-based films are widely used in TFT wiring, barrier layers, electrodes, and touch-related structures. Semiconductor applications account for a smaller volume but command significantly higher ASP due to more demanding purity, cleanliness, bonding, and customer qualification requirements. Raw molybdenum price movements influence cost and contract adjustments, but the core competitiveness of target suppliers lies in integrated control from high-purity feedstock and powder metallurgy to hot working, precision machining, bonding, cleaning, packaging, and technical support.

LP Information, Inc. (LPI) ' newest research report, the "Molybdenum and Molybdenum Alloy Sputtering Targets Industry Forecast" looks at past sales and reviews total world Molybdenum and Molybdenum Alloy Sputtering Targets sales in 2025, providing a comprehensive analysis by region and market sector of projected Molybdenum and Molybdenum Alloy Sputtering Targets sales for 2026 through 2032. With Molybdenum and Molybdenum Alloy Sputtering Targets sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Molybdenum and Molybdenum Alloy Sputtering Targets industry.

This Insight Report provides a comprehensive analysis of the global Molybdenum and Molybdenum Alloy Sputtering Targets landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Molybdenum and Molybdenum Alloy Sputtering Targets portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Molybdenum and Molybdenum Alloy Sputtering Targets market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Molybdenum and Molybdenum Alloy Sputtering Targets and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Molybdenum and Molybdenum Alloy Sputtering Targets.

This report presents a comprehensive overview, market shares, and growth opportunities of Molybdenum and Molybdenum Alloy Sputtering Targets market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Flat Sputtering Target

Rotating Sputtering Target

Segmentation by Material:

Pure Molybdenum Target

Molybdenum Alloy Target

Segmentation by Molybdenum Content:

Molybdenum Content

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