

Global Molybdenum and Molybdenum Alloy Sputtering Targets Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Molybdenum and Molybdenum Alloy Sputtering Targets market size was valued at US\$ 678 million in 2025 and is forecast to a readjusted size of US\$ 985 million by 2032 with a CAGR of 5.7% during review period.

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.

This report is a detailed and comprehensive analysis for global Molybdenum and Molybdenum Alloy Sputtering Targets market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Molybdenum and Molybdenum Alloy Sputtering Targets market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Molybdenum and Molybdenum Alloy Sputtering Targets market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Molybdenum and Molybdenum Alloy Sputtering Targets market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Molybdenum and Molybdenum Alloy Sputtering Targets market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Kg), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Molybdenum and Molybdenum Alloy Sputtering Targets

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Molybdenum and Molybdenum Alloy Sputtering Targets market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Plansee SE, Elmet Technologies, H.C. Starck, Kurt J. Lesker Company, Luoyang Gaoxin Sifeng Electronic Material, Omat, JDC MOLY, Luoyang Kewei, Achemetal Tungsten&Molybdenum, etc.

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

Market Segmentation

Molybdenum and Molybdenum Alloy Sputtering Targets market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Flat Sputtering Target

Rotating Sputtering Target

Market segment by Material

Pure Molybdenum Target

Molybdenum Alloy Target

Market segment by Molybdenum Content

Molybdenum Content

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