

Global Sputtering Target Material for Flat Panel Display Market Research Report 2023

<https://marketpublishers.com/r/G1A9F1033974EN.html>

Date: December 2023

Pages: 120

Price: US\$ 2,900.00 (Single User License)

ID: G1A9F1033974EN

Abstracts

According to QYResearch's new survey, global Sputtering Target Material for Flat Panel Display market is projected to reach US\$ 2332 million in 2029, increasing from US\$ 1883.3 million in 2022, with the CAGR of 3.1% during the period of 2023 to 2029. Influencing issues, such as economy environments, COVID-19 and Russia-Ukraine War, have led to great market fluctuations in the past few years and are considered comprehensively in the whole Sputtering Target Material for Flat Panel Display market research.

The Sputtering Target Material for Flat Panel Display market is influenced by several drivers and restrictions that impact its growth and development. Sputtering target materials are essential components in the production of flat panel displays, including LCD (Liquid Crystal Display) and OLED (Organic Light Emitting Diode) screens. Here are some key drivers and restrictions affecting this market:

Drivers:

Increasing Demand for Flat Panel Displays: The growing demand for flat panel displays in consumer electronics, including smartphones, TVs, tablets, and laptops, drives the need for sputtering target materials.

Technological Advancements: Advances in display technologies, such as 4K, 8K, and flexible displays, require specialized sputtering target materials to achieve higher resolution and performance.

Rising Adoption of OLED Displays: OLED displays offer advantages in terms of color accuracy, contrast, and flexibility. The expansion of OLED technology in various

applications increases the demand for sputtering targets used in OLED production.

Emerging Display Applications: Emerging applications like augmented reality (AR), virtual reality (VR), and automotive displays require advanced flat panel displays, contributing to the demand for sputtering target materials.

Consumer Electronics Growth: The proliferation of consumer electronics, coupled with shorter product life cycles, leads to continuous demand for flat panel displays and their associated materials.

Energy Efficiency and Sustainability: Energy-efficient displays, which reduce power consumption and greenhouse gas emissions, are driving the development of new display materials and sputtering targets.

Customization and Material Innovation: Customized sputtering target materials tailored to specific display requirements, including size, shape, and composition, promote innovation and market growth.

Restrictions:

High Manufacturing Costs: The production of sputtering target materials can be expensive due to the need for high-purity materials and specialized manufacturing processes. This can affect the overall cost of display production.

Supply Chain Dependence: The supply chain for raw materials used in sputtering targets, including rare metals, may be subject to geopolitical factors, trade restrictions, and availability issues.

Environmental Concerns: The production and disposal of sputtering target materials may raise environmental concerns due to the use of hazardous materials and waste management challenges.

Quality Control: Maintaining consistent quality and purity of sputtering target materials is essential to ensure reliable display production. Strict quality control measures are required, increasing production complexity.

Technological Obsolescence: Rapid advancements in display technology may lead to the obsolescence of certain sputtering target materials, necessitating continuous

research and development.

Regulatory Compliance: Compliance with regulations related to materials, safety, and environmental standards can be complex and may vary by region, increasing operational costs and administrative burdens.

Competition: The market for sputtering target materials is competitive, with several manufacturers vying for customers. Competition can lead to price pressures and reduced profit margins.

Overall, the Sputtering Target Material for Flat Panel Display market's growth is closely tied to the consumer electronics industry's expansion and the adoption of advanced display technologies. However, challenges related to manufacturing costs, supply chain dependencies, environmental considerations, and regulatory compliance must be managed to ensure sustained growth in the sector.

Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global Sputtering Target Material for Flat Panel Display market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

JX Nippon Mining & Metals Corporation

Praxair

Plansee SE

Mitsui Mining & Smelting

Hitachi Metals

Honeywell

Sumitomo Chemical

ULVAC

Materion (Heraeus)

GRIKIN Advanced Material Co., Ltd.

TOSOH

Ningbo Jiangfeng

Heesung

Luvata

Fujian Acetron New Materials Co., Ltd

Changzhou Sujing Electronic Material

Luoyang Sifon Electronic Materials

FURAYA Metals Co., Ltd

Advantec

Angstrom Sciences

Umicore Thin Film Products

TANAKA

Segment by Type

HD

FHD

4K

8K

Segment by Application

LCD Flat Panel Display

OLED Flat Panel Display

Production by Region

North America

Europe

China

Japan

Consumption by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The Sputtering Target Material for Flat Panel Display report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

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