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Global Plano-Convex Spherical Lenses Market Growth 2026-2032

https://marketpublishers.com/r/G489385DC4DFEN.html
Date: October 2026
Pages: 138
Price: US$ 3,660.00 (Single User License)
ID: G489385DC4DFEN

Abstracts

The global Plano-Convex Spherical Lenses market size is predicted to grow from US$ 1287 million in 2025 to US$ 1872 million in 2032; it is expected to grow at a CAGR of 5.6% from 2026 to 2032.

The Plano-Convex Spherical Lenses industry produces approximately 92 million units annually, backed by a global capacity of about 120 million lenses per year, while manufacturers achieve an average gross margin of 32%. Unit prices range from USD 3 to 65 per lens, with small BK7 or fused silica optics at the lower end and large-diameter, high-precision, or UV-grade lenses at the higher end. Plano-Convex Spherical Lenses are optical elements with one flat and one outwardly curved surface, designed to focus or collimate light in imaging and laser applications. Their supply chain starts upstream with high-purity glass, fused silica, or crystal production, followed by midstream processing—cutting, grinding, polishing, and coating by optics manufacturers—and ends downstream with integration into cameras, microscopes, sensors, and laser systems for industries like electronics, life sciences, defense, and research.

United States market for Plano-Convex Spherical Lenses is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Plano-Convex Spherical Lenses is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Plano-Convex Spherical Lenses is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Plano-Convex Spherical Lenses players cover Edmund Optics, Thorlabs,

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Esco Optics, Shanghai Optics, CLZ Optical, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

Report Scope

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

This Insight Report provides a comprehensive analysis of the global Plano-Convex Spherical Lenses 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 Plano-Convex Spherical Lenses portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Plano-Convex Spherical Lenses market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Plano-Convex Spherical Lenses 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 Plano-Convex Spherical Lenses.

This report presents a comprehensive overview, market shares, and growth opportunities of Plano-Convex Spherical Lenses market by product type, application, key manufacturers and key regions and countries.

Market Segmentation

Segmentation by Type:

UV Plano-Convex Lenses

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Visible Plano-Convex Lenses

IR Plano-Convex Lenses

Segmentation by Application:

Consumer Electronics

Medical Devices

Industrial Machinery

Aerospace & Defense

Telecom & Photonics

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

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- Southeast Asia
- India
- Australia

Europe

- Germany
- France
- UK
- Italy
- Russia

Middle East & Africa

- Egypt
- South Africa
- Israel
- Turkey
- GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

- Edmund Optics
- Thorlabs

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Esco Optics

Shanghai Optics

CLZ Optical

EKSMA Optics

Optimax Systems

MKS Instruments

Jenoptik

Zeiss

Hoya

Largan Precision

Sunny Optical

Sekonix

Carclo Optics

Knight Optical

Universe Optics

Avantier

Key Questions Addressed in this Report

What is the 10-year outlook for the global Plano-Convex Spherical Lenses market?

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What factors are driving Plano-Convex Spherical Lenses market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Plano-Convex Spherical Lenses market opportunities vary by end market size?

How does Plano-Convex Spherical Lenses break out by Type, by Application?

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