

Global Hard Coatings for Lenses Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Hard Coatings for Lenses market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Traditionally, lenses and optical components were coated in soft coating. This is a process that might become obsolete because of the development of a high performing technique known as hard coating. This coating provides myriad advantages over traditional soft coatings. As background, soft coatings are multiple layer films that are used over optical components. The film usually consist of silver, zinc sulfide or cryolyte. In a traditional setting the layers are stacked vertically upon the optical lens and offer protection from environmental contaminants. A soft coating is fragile and the edges of the coating material can degrade if it's exposed to moisture and through typical use. The use of hard coating on lenses and optical components offer increased benefits compared to their soft counterparts. To add this hard film it is applied in a controlled atmosphere using computer generated programs. The reason for this type of application is that it assures the coating is applied evenly and that it is beneficial for use in high stress environmental settings. Not only is the hard coating believed to be more consistent than soft coatings, but it provides a higher level of wavelength absorption. A hard coated lens is superior in the transmission of wavelengths as compared to soft coating by a margin of up to 90% more. Hard coatings remain constant in their transmission while soft coated lenses and optical components gradually change over time and through use. Scratch resistant coating or hard coating provide lenses with durability and increased longevity. A high quality thermally cured hardcoat provides the best scratch resistance and provides for the most durable ingredient for an AR coating

application.

This report is a detailed and comprehensive analysis for global Hard Coatings for Lenses 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 2023, are provided.

Key Features:

Global Hard Coatings for Lenses market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Hard Coatings for Lenses market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Hard Coatings for Lenses market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Hard Coatings for Lenses market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

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 Hard Coatings for Lenses

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 Hard Coatings for Lenses market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies

covered as a part of this study include Zeiss, Mitsui Chemicals, TOKUYAMA, Nikon and ITOH, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Hard Coatings for Lenses market is split by Type and by Application. For the period 2018-2029, 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

Heat Cured Hard Coat

UV Hard Coating

Market segment by Application

Spherical Lens

Aspherical Lens

Major players covered

Zeiss

Mitsui Chemicals

TOKUYAMA

Nikon

ITOH

iCoat

Arotek International LLC

Yash O&L

Optimum Rx Group

HONGCHEN

Ultra Optics

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Hard Coatings for Lenses product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hard Coatings for Lenses, with price, sales, revenue and global market share of Hard Coatings for Lenses from 2018 to 2023.

Chapter 3, the Hard Coatings for Lenses competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Hard Coatings for Lenses breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Hard Coatings for Lenses market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Hard Coatings for Lenses.

Chapter 14 and 15, to describe Hard Coatings for Lenses sales channel, distributors, customers, research findings and conclusion.

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