

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Ellipsometer Market 2018, Forecast to 2023

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Abstracts

This report studies the ellipsometer market, an ellipsometer enables to measure the refractive index and the thickness of semi-transparent thin films. The instrument relies on the fact that the reflection at a dielectric interface depends on the polarization of the light while the transmission of light through a transparent layer changes the phase of the incoming wave depending on the refractive index of the material. An ellipsometer can be used to measure layers as thin as 1 nm up to layers which are several microns thick. Applications include the accurate thickness measurement of thin films, the identification of materials and thin layers and the characterization of surfaces.

Scope of the Report:

This report focuses on the Ellipsometer in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Globally, J.A. Woollam, Horiba, Semilab, Sentech, Angstrom Sun Technologies, etc. are the top players. These manufacturers play important roles in global market. In China, the market also dominated Ellitop-Products, which has 10 years professional production history.

USA, Japan, Europe and China are the major consumers, occupy for over 88% of share. In the future, the emerging market will drive the market demand, especially in China, India, Southeast Asia. The infrastructure of these regions need further to be developed, with huge potential.

In the future, the market will be more competitive and the market concentration will be higher, more manufacturers will expand through merger and acquisition, and the small manufacturers will be gradually sifted out, especially for Laser Ellipsometer producers.

The worldwide market for Ellipsometer is expected to grow at a CAGR of roughly 6.1% over the next five years, will reach 84 million US\$ in 2023, from 59 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

J.A. Woollam Co.(US)

Horiba (Japan)

Gaertner Scientific Corporation (US)

Semilab (Hungary)

Sentech (Germany)

Holmarc Opto-Mechatronics (India)

Ellitop-Products (China)

Accurion (Germany)

Angstrom Sun Technologies (US)

Film Sense (US)

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Laser Ellipsometer

Spectroscopic Ellipsometer

Market Segment by Applications, can be divided into

Semiconductors and Electronics

Academia and Labs

Photovoltaics and Solar Cells

Others

There are 15 Chapters to deeply display the global Ellipsometer market.

Chapter 1, to describe Ellipsometer Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Ellipsometer, with sales, revenue, and price of Ellipsometer, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Ellipsometer, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Ellipsometer market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Ellipsometer sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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