

2018-2023 Global Ellipsometer Consumption Market Report

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Abstracts

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In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Ellipsometer market for 2018-2023.

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.

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. Over the next five years, LPI(LP Information) projects that Ellipsometer will register a 6.1% CAGR in terms of revenue, reach US\$ 84 million by 2023, from US\$ 59 million in

2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Ellipsometer market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Laser Ellipsometer

Spectroscopic Ellipsometer

Segmentation by application:

Semiconductors and Electronics

Academia and Labs

Photovoltaics and Solar Cells

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

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)

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Ellipsometer consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Ellipsometer market by identifying its various

subsegments.

Focuses on the key global Ellipsometer manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Ellipsometer with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Ellipsometer submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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