

2017-2025 World Nanoimprint Lithography System Market Research Report (by Product Type, End-User/Application and Regions/Countries)

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Abstracts

SUMMARY

Imprinting technology is an ancient technique for the reproduction of writings on appropriate supports. Since 1990's, one of the imprinting techniques, i.e., injection moulding has been used for compact disk (CD) production. More recently, the semiconductor industry is interested in imprint related techniques because of the mass production requirement of future microelectronic circuits with a possible critical dimension down to a few nanometers. At this deep nanometer scale, traditional photolithography is supposed to rule out because of the optical diffraction or material limitations. In fact, the actual minimum feature size in an integrated circuit (IC) is already less than 50 nm and the actual manufacturing systems are already extremely sophisticated and expensive. The semiconductor industry has always been looking for alternative patterning methods in order to follow Moore's law, which has been formulated to predict the evolution of the technology nodes. Now, extreme UV lithography (EUV), 193 nm immersion lithography, mask less lithography (MLL) techniques and nanoimprint lithography (NIL) are considered as candidates for the so called Next Generation Lithography (NGL) at 32 nm and 22 nm nodes. In parallel, imprint technology has been promoted by a large scientific community and non-IC industry segments including high-density storage, optoelectronics, telecommunication as well as biochips or micro total analysis systems.

This report includes market status and forecast of global and major regions, with introduction of vendors, regions, product types and end industries; and this report counts product types and end industries in global and major regions.

The report includes as follows:

The report provides current data, historical overview and future forecast. The report includes an in-depth analysis of the Global market for Nanoimprint Lithography System , covering Global total and major region markets. The data of 2017-2025 are included. All-inclusive market are given through data on sales, consumption, and prices (Global total and by major regions). The report provides introduction of leading Global manufacturers. Nanoimprint Lithography System market prospects to 2025 are included (in sales, consumption and price).

Market Segment as follows:

By Region / Countries

North America (U.S., Canada, Mexico)

Europe (Germany, U.K., France, Italy, Russia, Spain etc)

Asia-Pacific (China, India, Japan, Southeast Asia etc)

South America (Brazil, Argentina etc)

Middle East & Africa (Saudi Arabia, South Africa etc)

By Type

Hot Embossing (HE)

UV-based Nanoimprint Lithography (UV-NIL)

Micro Contact Printing (?-CP)

By End-User / Application

Consumer Electronics

Optical Equipment

Others

By Company

Obducat

EV Group

Canon (Molecular Imprints)

Nanonex

SUSS MicroTec

GuangDuo Nano

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