

Global Nanoimprint Lithography System Market Analysis 2016-2020 and Forecast 2021-2026

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Abstracts

SNAPSHOT

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.

The global Nanoimprint Lithography System market size is estimated at xxx million USD with a CAGR xx% from 2016-2020 and is expected to reach xxx Million USD in 2021 with a CAGR xx% from 2021 to 2026. The report begins from overview of Industry Chain structure, and describes industry environment, then analyses market size and forecast of Nanoimprint Lithography System by product, region and application, in addition, this report introduces market competition situation among the vendors and

company profile, besides, market price analysis and value chain features are covered in this report.

Product Type Coverage (Market Size & Forecast, Major Company of Product Type etc.):

Hot Embossing (HE)

UV-based Nanoimprint Lithography (UV-NIL)

Micro Contact Printing (?-CP)

Company Coverage (Company Profile, Sales Revenue, Price, Gross Margin, Main Products etc.):

Obducat

EV Group

Canon (Molecular Imprints)

Nanonex

SUSS MicroTec

GuangDuo Nano

Application Coverage (Market Size & Forecast, Different Demand Market by Region, Main Consumer Profile etc.):

Consumer Electronics

Optical Equipment

Others

Region Coverage (Regional Production, Demand & Forecast by Countries etc.):

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.)

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