

# Global Nanoimprint Lithography System Market Survey and Trend Research 2018

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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 describes the development of the industry by upstream & downstream, industry overall and development, key companies, as well as type segment & market application and so on, and makes a scientific prediction for the development industry prospects on the basis of analysis, finally, analyzes opportunities for investment in the industry at the end of the report.

## Industry Chain

Raw Materials

Cost

Technology

Consumer Preference

## Industry Overall:

History

Development & Trend

Market Competition

Trade Overview

Policy

## Region (North America, Europe, Asia-Pacific, South America, Middle East, Africa):

Regional Market

Production Development

Sales

Regional Trade

Regional Forecast

Company (Obducat, EV Group, Canon (Molecular Imprints), Nanonex, GuangDuo

Nano, GuangDuo Nano etc.):

Company Profile

Product & Service

Business Operation Data

Market Share

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Market Features

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