

Global Nanoimprint Lithography System Market Research Report 2018

<https://marketpublishers.com/r/G4F9BF434C0EN.html>

Date: July 2018

Pages: 118

Price: US\$ 3,500.00 (Single User License)

ID: G4F9BF434C0EN

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.

Market Segment as follows:

By Region

Asia-Pacific

North America

Europe

South America

Middle East & Africa

By Type

Hot Embossing (HE)

UV-based Nanoimprint Lithography (UV-NIL)

Micro Contact Printing (?-CP)

By Application

Consumer Electronics

Optical Equipment

Others

By Company

Obducat

EV Group

Canon (Molecular Imprints)

Nanonex

SUSS MicroTec

GuangDuo Nano

The main contents of the report including:

Section 1:

Product definition, type and application, global and regional market overview;

Section 2:

Global and regional Market competition by company;

Section 3:

Global and regional sales revenue, volume and price by type;

Section 4:

Global and regional sales revenue, volume and price by application;

Section 5:

Regional export and import;

Section 6:

Company information, business overview, sales data and product specifications;

Section 7:

Industry chain and raw materials;

Section 8:

SWOT and Porter's Five Forces;

Section 9:

Conclusion.

Contents

1 MARKET OVERVIEW

1.1 Market Segment Overview

1.1.1 Product Definition

1.1.2 Market by Type

1.1.2.1 Hot Embossing (HE)

1.1.2.2 UV-based Nanoimprint Lithography (UV-NIL)

1.1.2.3 Micro Contact Printing (?-CP)

1.1.3 Market by Application

1.1.3.1 Consumer Electronics

1.1.3.2 Optical Equipment

1.1.3.3 Others

1.2 Global and Regional Market Size

1.2.1 Global Overview

1.2.2 Market by Region

1.2.2.1 Asia-Pacific

1.2.2.2 North America

1.2.2.3 Europe

1.2.2.4 South America

1.2.2.5 Middle East & Africa

2 GLOBAL AND REGIONAL MARKET BY COMPANY

2.1 Global

2.1.1 Global Sales by Company

2.1.2 Global Price by Company

2.2 Asia-Pacific

2.2.1 Asia-Pacific Sales by Company

2.2.2 Asia-Pacific Price by Company

2.3 North America

2.3.1 North America Sales by Company

2.3.2 North America Price by Company

2.4 Europe

2.4.1 Europe Market Sales by Company

2.4.2 Europe Price by Company

2.5 South America

2.5.1 South America Sales by Company

- 2.5.2 South America Price by Company
- 2.6 Middle East & Africa
 - 2.6.1 Middle East & Africa Sales by Company
 - 2.6.2 Middle East & Africa Price by Company

3 GLOBAL AND REGIONAL MARKET BY TYPE

- 3.1 Global
 - 3.1.1 Global Sales by Type
 - 3.1.2 Global Price by Type
- 3.2 Asia-Pacific
 - 3.2.1 Asia-Pacific Sales by Type
 - 3.2.2 Asia-Pacific Price by Type
- 3.3 North America
 - 3.3.1 North America Sales by Type
 - 3.3.2 North America Price by Type
- 3.4 Europe
 - 3.4.1 Europe Market Sales by Type
 - 3.4.2 Europe Price by Type
- 3.5 South America
 - 3.5.1 South America Sales by Type
 - 3.5.2 South America Price by Type
- 3.6 Middle East & Africa
 - 3.6.1 Middle East & Africa Sales by Type
 - 3.6.2 Middle East & Africa Price by Type

4 GLOBAL AND REGIONAL MARKET BY APPLICATION

- 4.1 Global
 - 4.1.1 Global Sales by Application
 - 4.1.2 Global Price by Application
- 4.2 Asia-Pacific
 - 4.2.1 Asia-Pacific Sales by Application
 - 4.2.2 Asia-Pacific Price by Application
- 4.3 North America
 - 4.3.1 North America Sales by Application
 - 4.3.2 North America Price by Application
- 4.4 Europe
 - 4.4.1 Europe Market Sales by Application

- 4.4.2 Europe Price by Application
- 4.5 South America
 - 4.5.1 South America Sales by Application
 - 4.5.2 South America Price by Application
- 4.6 Middle East & Africa
 - 4.6.1 Middle East & Africa Sales by Application
 - 4.6.2 Middle East & Africa Price by Application

5 REGIONAL TRADE

- 5.1 Export
- 5.2 Import

6 KEY MANUFACTURERS

- 6.1 Obducat
 - 6.1.2 Company Information
 - 6.1.2 Product Specifications
 - 6.1.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 6.2 EV Group
 - 6.2.1 Company Information
 - 6.2.2 Product Specifications
 - 6.2.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 6.3 Canon (Molecular Imprints)
 - 6.3.1 Company Information
 - 6.3.2 Product Specifications
 - 6.3.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 6.4 Nanonex
 - 6.4.1 Company Information
 - 6.4.2 Product Specifications
 - 6.4.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 6.5 SUSS MicroTec
 - 6.5.1 Company Information
 - 6.5.2 Product Specifications
 - 6.5.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)
- 6.6 GuangDuo Nano
 - 6.6.1 Company Information
 - 6.6.2 Product Specifications
 - 6.6.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

7 INDUSTRY UPSTREAM

7.1 Industry Chain

7.2 Raw Materials

8 MARKET ENVIRONMENT

8.1 SWOT

8.2 Porter's Five Forces

9 CONCLUSION

List Of Tables

LIST OF TABLES

Table Global Market Sales Revenue by Company 2011-2017
Table Global Market Sales Revenue Share by Company 2011-2017
Table Global Market Sales Volume by Company 2011-2017
Table Global Market Sales Volume Share by Company 2011-2017
Table Global Price by Company 2011-2017
Table Asia-Pacific Market Sales Revenue by Company 2011-2017
Table Asia-Pacific Market Sales Revenue Share by Company 2011-2017
Table Asia-Pacific Market Sales Volume by Company 2011-2017
Table Asia-Pacific Market Sales Volume Share by Company 2011-2017
Table Asia-Pacific Price by Company 2011-2017
Table North America Market Sales Revenue by Company 2011-2017
Table North America Market Sales Revenue Share by Company 2011-2017
Table North America Market Sales Volume by Company 2011-2017
Table North America Market Sales Volume Share by Company 2011-2017
Table North America Price by Company 2011-2017
Table Europe Market Sales Revenue by Company 2011-2017
Table Europe Market Sales Revenue Share by Company 2011-2017
Table Europe Market Sales Volume by Company 2011-2017
Table Europe Market Sales Volume Share by Company 2011-2017
Table Europe Price by Company 2011-2017
Table South America Market Sales Revenue by Company 2011-2017
Table South America Market Sales Revenue Share by Company 2011-2017
Table South America Market Sales Volume by Company 2011-2017
Table South America Market Sales Volume Share by Company 2011-2017
Table South America Price by Company 2011-2017
Table Middle East & Africa Market Sales Revenue by Company 2011-2017
Table Middle East & Africa Market Sales Revenue Share by Company 2011-2017
Table Middle East & Africa Market Sales Volume by Company 2011-2017
Table Middle East & Africa Market Sales Volume Share by Company 2011-2017
Table Middle East & Africa Price by Company 2011-2017
Table Global Market Sales Revenue by Type 2011-2017
Table Global Market Sales Revenue Share by Type 2011-2017
Table Global Market Sales Volume by Type 2011-2017
Table Global Market Sales Volume Share by Type 2011-2017
Table Global Price by Type 2011-2017

Table Asia-Pacific Market Sales Revenue by Type 2011-2017
Table Asia-Pacific Market Sales Revenue Share by Type 2011-2017
Table Asia-Pacific Market Sales Volume by Type 2011-2017
Table Asia-Pacific Market Sales Volume Share by Type 2011-2017
Table Asia-Pacific Price by Type 2011-2017
Table North America Market Sales Revenue by Type 2011-2017
Table North America Market Sales Revenue Share by Type 2011-2017
Table North America Market Sales Volume by Type 2011-2017
Table North America Market Sales Volume Share by Type 2011-2017
Table North America Price by Type 2011-2017
Table Europe Market Sales Revenue by Type 2011-2017
Table Europe Market Sales Revenue Share by Type 2011-2017
Table Europe Market Sales Volume by Type 2011-2017
Table Europe Market Sales Volume Share by Type 2011-2017
Table Europe Price by Type 2011-2017
Table South America Market Sales Revenue by Type 2011-2017
Table South America Market Sales Revenue Share by Type 2011-2017
Table South America Market Sales Volume by Type 2011-2017
Table South America Market Sales Volume Share by Type 2011-2017
Table South America Price by Type 2011-2017
Table Middle East & Africa Market Sales Revenue by Type 2011-2017
Table Middle East & Africa Market Sales Revenue Share by Type 2011-2017
Table Middle East & Africa Market Sales Volume by Type 2011-2017
Table Middle East & Africa Market Sales Volume Share by Type 2011-2017
Table Middle East & Africa Price by Type 2011-2017
Table Global Market Sales Revenue by Application 2011-2017
Table Global Market Sales Revenue Share by Application 2011-2017
Table Global Market Sales Volume by Application 2011-2017
Table Global Market Sales Volume Share by Application 2011-2017
Table Global Price by Application 2011-2017
Table Asia-Pacific Market Sales Revenue by Application 2011-2017
Table Asia-Pacific Market Sales Revenue Share by Application 2011-2017
Table Asia-Pacific Market Sales Volume by Application 2011-2017
Table Asia-Pacific Market Sales Volume Share by Application 2011-2017
Table Asia-Pacific Price by Application 2011-2017
Table North America Market Sales Revenue by Application 2011-2017
Table North America Market Sales Revenue Share by Application 2011-2017
Table North America Market Sales Volume by Application 2011-2017
Table North America Market Sales Volume Share by Application 2011-2017

Table North America Price by Application 2011-2017

Table Europe Market Sales Revenue by Application 2011-2017

Table Europe Market Sales Revenue Share by Application 2011-2017

Table Europe Market Sales Volume by Application 2011-2017

Table Europe Market Sales Volume Share by Application 2011-2017

Table Europe Price by Application 2011-2017

Table South America Market Sales Revenue by Application 2011-2017

Table South America Market Sales Revenue Share by Application 2011-2017

Table South America Market Sales Volume by Application 2011-2017

Table South America Market Sales Volume Share by Application 2011-2017

Table South America Price by Application 2011-2017

Table Middle East & Africa Market Sales Revenue by Application 2011-2017

Table Middle East & Africa Market Sales Revenue Share by Application 2011-2017

Table Middle East & Africa Market Sales Volume by Application 2011-2017

Table Middle East & Africa Market Sales Volume Share by Application 2011-2017

Table Middle East & Africa Price by Application 2011-2017

Table Regional Export 2011-2017 (Million USD)

Table Regional Export 2011-2017 (Volume)

Table Regional Import 2011-2017 (Million USD)

Table Regional Import 2011-2017 (Volume)

Table Sales Revenue, Volume, Price, Cost and Margin of Obducat

Table Sales Revenue, Volume, Price, Cost and Margin of EV Group

Table Sales Revenue, Volume, Price, Cost and Margin of Canon (Molecular Imprints)

Table Sales Revenue, Volume, Price, Cost and Margin of Nanonex

Table Sales Revenue, Volume, Price, Cost and Margin of SUSS MicroTec

Table Sales Revenue, Volume, Price, Cost and Margin of GuangDuo Nano

List Of Figures

LIST OF FIGURES

Figure Hot Embossing (HE) Market Size and CAGR 2011-2017 (Million USD)
Figure Hot Embossing (HE) Market Size and CAGR 2011-2017 (Volume)
Figure Hot Embossing (HE) Market Forecast and CAGR 2018-2025 (Million USD)
Figure Hot Embossing (HE) Market Forecast and CAGR 2018-2025 (Volume)
Figure UV-based Nanoimprint Lithography (UV-NIL) Market Size and CAGR 2011-2017 (Million USD)
Figure UV-based Nanoimprint Lithography (UV-NIL) Market Size and CAGR 2011-2017 (Volume)
Figure UV-based Nanoimprint Lithography (UV-NIL) Market Forecast and CAGR 2018-2025 (Million USD)
Figure UV-based Nanoimprint Lithography (UV-NIL) Market Forecast and CAGR 2018-2025 (Volume)
Figure Micro Contact Printing (?-CP) Market Size and CAGR 2011-2017 (Million USD)
Figure Micro Contact Printing (?-CP) Market Size and CAGR 2011-2017 (Volume)
Figure Micro Contact Printing (?-CP) Market Forecast and CAGR 2018-2025 (Million USD)
Figure Micro Contact Printing (?-CP) Market Forecast and CAGR 2018-2025 (Volume)
Figure Consumer Electronics Market Size and CAGR 2011-2017 (Million USD)
Figure Consumer Electronics Market Size and CAGR 2011-2017 (Volume)
Figure Consumer Electronics Market Forecast and CAGR 2018-2025 (Million USD)
Figure Consumer Electronics Market Forecast and CAGR 2018-2025 (Volume)
Figure Optical Equipment Market Size and CAGR 2011-2017 (Million USD)
Figure Optical Equipment Market Size and CAGR 2011-2017 (Volume)
Figure Optical Equipment Market Forecast and CAGR 2018-2025 (Million USD)
Figure Optical Equipment Market Forecast and CAGR 2018-2025 (Volume)
Figure Others Market Size and CAGR 2011-2017 (Million USD)
Figure Others Market Size and CAGR 2011-2017 (Volume)
Figure Others Market Forecast and CAGR 2018-2025 (Million USD)
Figure Others Market Forecast and CAGR 2018-2025 (Volume)
Figure Global Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Million USD)
Figure Global Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Volume)
Figure Global Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Million USD)

Figure Global Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Volume)

Figure Asia-Pacific Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Million USD)

Figure Asia-Pacific Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Volume)

Figure Asia-Pacific Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Million USD)

Figure Asia-Pacific Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Volume)

Figure North America Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Million USD)

Figure North America Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Volume)

Figure North America Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Million USD)

Figure North America Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Volume)

Figure Europe Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Million USD)

Figure Europe Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Volume)

Figure Europe Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Million USD)

Figure Europe Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Volume)

Figure South America Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Million USD)

Figure South America Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Volume)

Figure South America Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Million USD)

Figure South America Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Volume)

Figure Middle East & Africa Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Million USD)

Figure Middle East & Africa Nanoimprint Lithography System Market Size and CAGR 2011-2017 (Volume)

Figure Middle East & Africa Nanoimprint Lithography System Market Forecast and

CAGR 2018-2025 (Million USD)

Figure Middle East & Africa Nanoimprint Lithography System Market Forecast and CAGR 2018-2025 (Volume)

Figure Global Market Sales Revenue Share by Company in 2017

Figure Global Market Sales Volume Share by Company in 2017

Figure Asia-Pacific Market Sales Revenue Share by Company in 2017

Figure Asia-Pacific Market Sales Volume Share by Company in 2017

Figure North America Market Sales Revenue Share by Company in 2017

Figure North America Market Sales Volume Share by Company in 2017

Figure Europe Market Sales Revenue Share by Company in 2017

Figure Europe Market Sales Volume Share by Company in 2017

Figure South America Market Sales Revenue Share by Company in 2017

Figure South America Market Sales Volume Share by Company in 2017

Figure Middle East & Africa Market Sales Revenue Share by Company in 2017

Figure Middle East & Africa Market Sales Volume Share by Company in 2017

Figure Global Market Sales Revenue Share by Type in 2017

Figure Global Market Sales Volume Share by Type in 2017

Figure Asia-Pacific Market Sales Revenue Share by Type in 2017

Figure Asia-Pacific Market Sales Volume Share by Type in 2017

Figure North America Market Sales Revenue Share by Type in 2017

Figure North America Market Sales Volume Share by Type in 2017

Figure Europe Market Sales Revenue Share by Type in 2017

Figure Europe Market Sales Volume Share by Type in 2017

Figure South America Market Sales Revenue Share by Type in 2017

Figure South America Market Sales Volume Share by Type in 2017

Figure Middle East & Africa Market Sales Revenue Share by Type in 2017

Figure Middle East & Africa Market Sales Volume Share by Type in 2017

Figure Global Market Sales Revenue Share by Application in 2017

Figure Global Market Sales Volume Share by Application in 2017

Figure Asia-Pacific Market Sales Revenue Share by Application in 2017

Figure Asia-Pacific Market Sales Volume Share by Application in 2017

Figure North America Market Sales Revenue Share by Application in 2017

Figure North America Market Sales Volume Share by Application in 2017

Figure Europe Market Sales Revenue Share by Application in 2017

Figure Europe Market Sales Volume Share by Application in 2017

Figure South America Market Sales Revenue Share by Application in 2017

Figure South America Market Sales Volume Share by Application in 2017

Figure Middle East & Africa Market Sales Revenue Share by Application in 2017

Figure Middle East & Africa Market Sales Volume Share by Application in 2017

Figure Industry Chain Overview
Figure Nanoimprint Lithography System SWOT List
Figure Equipment Porter's Five Forces

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