

# Global Maskless Direct Writing Lithography Equipment Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Maskless Direct Writing Lithography Equipment market size was valued at USD 116.7 million in 2022 and is forecast to a readjusted size of USD 164.1 million by 2029 with a CAGR of 5.0% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Maskless direct writing lithography refers to the technology of using optical replication to print patterns onto photosensitive recording materials, and then transferring the patterns onto wafers through etching to create electronic circuits. The lithography system is called a lithography machine, the quartz plate with patterns is called a mask, and the photosensitive recording material is called a photoresist or resist. The maskless direct writing lithography equipment technology is a new technology derived from traditional optical lithography technology, because its exposure imaging method is basically similar to traditional projection lithography, with the difference being the use of digital DMD instead of traditional masks. Its main principle is to input the required lithography patterns into the DMD chip through software through a computer, and change the rotation angle of the DMD chip micro mirror based on the distribution of black and white pixels in the image, And by shining a collimated light source onto the DMD chip, a light image consistent with the required pattern is projected onto the substrate surface, and large-scale microstructure preparation is achieved by controlling the movement of the sample stage.

This report is a detailed and comprehensive analysis for global Maskless Direct Writing Lithography Equipment market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the

market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

#### Key Features:

Global Maskless Direct Writing Lithography Equipment market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2018-2029

Global Maskless Direct Writing Lithography Equipment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2018-2029

Global Maskless Direct Writing Lithography Equipment market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2018-2029

Global Maskless Direct Writing Lithography Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2018-2023

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Maskless Direct Writing Lithography Equipment

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Maskless Direct Writing Lithography Equipment market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Heidelberg Instruments, Raith(4PICO Litho), Mycronic, Ushio Inc. and SCREEN Holdings, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

Maskless Direct Writing Lithography Equipment market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

2D System

3D System

### Market segment by Application

Mask Plate Manufacturing

IC Packaging

FPD Manufacturing

Microelectromechanical

Others

### Major players covered

Heidelberg Instruments

Raith(4PICO Litho)

Mycronic

Ushio Inc.

SCREEN Holdings

Durham Magneto Optics

Nanoscribe GmbH & Co

Visitech

EV Group

miDALIX

Microlight3D

Kloe

Circuit Fabology Microelectronics Equipment

Jiangsu Ysphotech Integrated Circuit Equipment

Moji-Nano Technology

SVG Tech Group

TuoTuo Technology

Wuxi Lithography Electronics

Suzhou ETools Optoelectronic Technology

AdvanTools Semiconductor

Advanced Micro Optics Instruments

Market segment by region, regional analysis covers

*Global Maskless Direct Writing Lithography Equipment Market 2023 by Manufacturers, Regions, Type and Applicati...*

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Maskless Direct Writing Lithography Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Maskless Direct Writing Lithography Equipment, with price, sales, revenue and global market share of Maskless Direct Writing Lithography Equipment from 2018 to 2023.

Chapter 3, the Maskless Direct Writing Lithography Equipment competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Maskless Direct Writing Lithography Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Maskless Direct Writing Lithography Equipment market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Maskless Direct Writing Lithography Equipment.

Chapter 14 and 15, to describe Maskless Direct Writing Lithography Equipment sales channel, distributors, customers, research findings and conclusion.

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