

Global Wafer Handling Arm for Semiconductor Wafer Robots 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 Wafer Handling Arm for Semiconductor Wafer Robots market size was valued at USD 89 million in 2022 and is forecast to a readjusted size of USD 127.6 million by 2029 with a CAGR of 5.2% during review period.

This report studies the Wafer End Effectors (Handling Arm).

Semiconductor manufacturing equipment is a medium tool for achieving semiconductor manufacturing processes, playing an important role in all aspects. According to SEMI, worldwide sales of semiconductor manufacturing equipment increased 5% from \$102.6 billion in 2021 to an all-time record of \$107.6 billion in 2022.

In recent years, the localization process of China's semiconductor industry has further accelerated, and the performance of semiconductor equipment is more flexible than the overall industry. The localization of semiconductor equipment is ushering in a golden wave, and domestic semiconductor equipment is facing more opportunities for verification and trial use, technical cooperation, and import substitution. For the third consecutive year, China remained the largest semiconductor equipment market in 2022 despite a 5% slowdown in the pace of investments in the region year over year, accounting for \$28.3 billion in billings.

The record high for semiconductor manufacturing equipment sales in 2022 stems from the industry's drive to add the fab capacity required to support long-term growth and innovations in key end markets including high-performance computing and automotive. Additionally, the results reflect investments and determination across regions to avoid

future semiconductor supply chain constraints like those that surfaced during the pandemic.

The Global Info Research report includes an overview of the development of the Wafer Handling Arm for Semiconductor Wafer Robots industry chain, the market status of Atmospheric Wafer Robot (Metal Wafer End Effector, Ceramic Wafer End Effector), Vacuum Wafer Robot (Metal Wafer End Effector, Ceramic Wafer End Effector), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Wafer Handling Arm for Semiconductor Wafer Robots.

Regionally, the report analyzes the Wafer Handling Arm for Semiconductor Wafer Robots markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Wafer Handling Arm for Semiconductor Wafer Robots market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Wafer Handling Arm for Semiconductor Wafer Robots market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Wafer Handling Arm for Semiconductor Wafer Robots industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Materials (e.g., Metal Wafer End Effector, Ceramic Wafer End Effector).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Wafer Handling Arm for Semiconductor Wafer Robots market.

Regional Analysis: The report involves examining the Wafer Handling Arm for Semiconductor Wafer Robots market at a regional or national level. Report analyses

regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Wafer Handling Arm for Semiconductor Wafer Robots market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Wafer Handling Arm for Semiconductor Wafer Robots:

Company Analysis: Report covers individual Wafer Handling Arm for Semiconductor Wafer Robots manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Wafer Handling Arm for Semiconductor Wafer Robots. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Atmospheric Wafer Robot, Vacuum Wafer Robot).

Technology Analysis: Report covers specific technologies relevant to Wafer Handling Arm for Semiconductor Wafer Robots. It assesses the current state, advancements, and potential future developments in Wafer Handling Arm for Semiconductor Wafer Robots areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Wafer Handling Arm for Semiconductor Wafer Robots market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Wafer Handling Arm for Semiconductor Wafer Robots market is split by Materials and by Application. For the period 2018-2029, the growth among segments provides

accurate calculations and forecasts for consumption value by Materials, and by Application in terms of volume and value.

Market segment by Materials

Metal Wafer End Effector

Ceramic Wafer End Effector

Carbon Composite (CFRP) End Effectors

Market segment by Application

Atmospheric Wafer Robot

Vacuum Wafer Robot

Major players covered

JEL Corporation

Kensington Laboratories

Nidec (Genmark Automation)

Innovative Robotics

isel Germany AG

Mechatronic Systemtechnik GmbH

CoreFlow

Shen-Yueh Technology

Coorstek

NGK SPARK PLUG

ASUZAC Fine Ceramics

Astel Srl - Semisyn division

CeramTec

Minox Techno

Kyocera

Morgan Advanced Materials

Japan Fine Ceramics Co., Ltd. (JFC)

3M

Ferrotec

St.Cera Co., Ltd

SANWA ENGINEERING CORP.

Shanghai Companion

Sanzer (Shanghai) New Materials Technology

Market segment by region, regional analysis covers

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 Wafer Handling Arm for Semiconductor Wafer Robots product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Wafer Handling Arm for Semiconductor Wafer Robots, with price, sales, revenue and global market share of Wafer Handling Arm for Semiconductor Wafer Robots from 2018 to 2023.

Chapter 3, the Wafer Handling Arm for Semiconductor Wafer Robots competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Wafer Handling Arm for Semiconductor Wafer Robots 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 Materials and application, with sales market share and growth rate by materials, 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 Wafer Handling Arm for Semiconductor Wafer Robots market forecast, by regions, materials 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 Wafer Handling Arm for Semiconductor Wafer Robots.

Chapter 14 and 15, to describe Wafer Handling Arm for Semiconductor Wafer Robots sales channel, distributors, customers, research findings and conclusion.

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