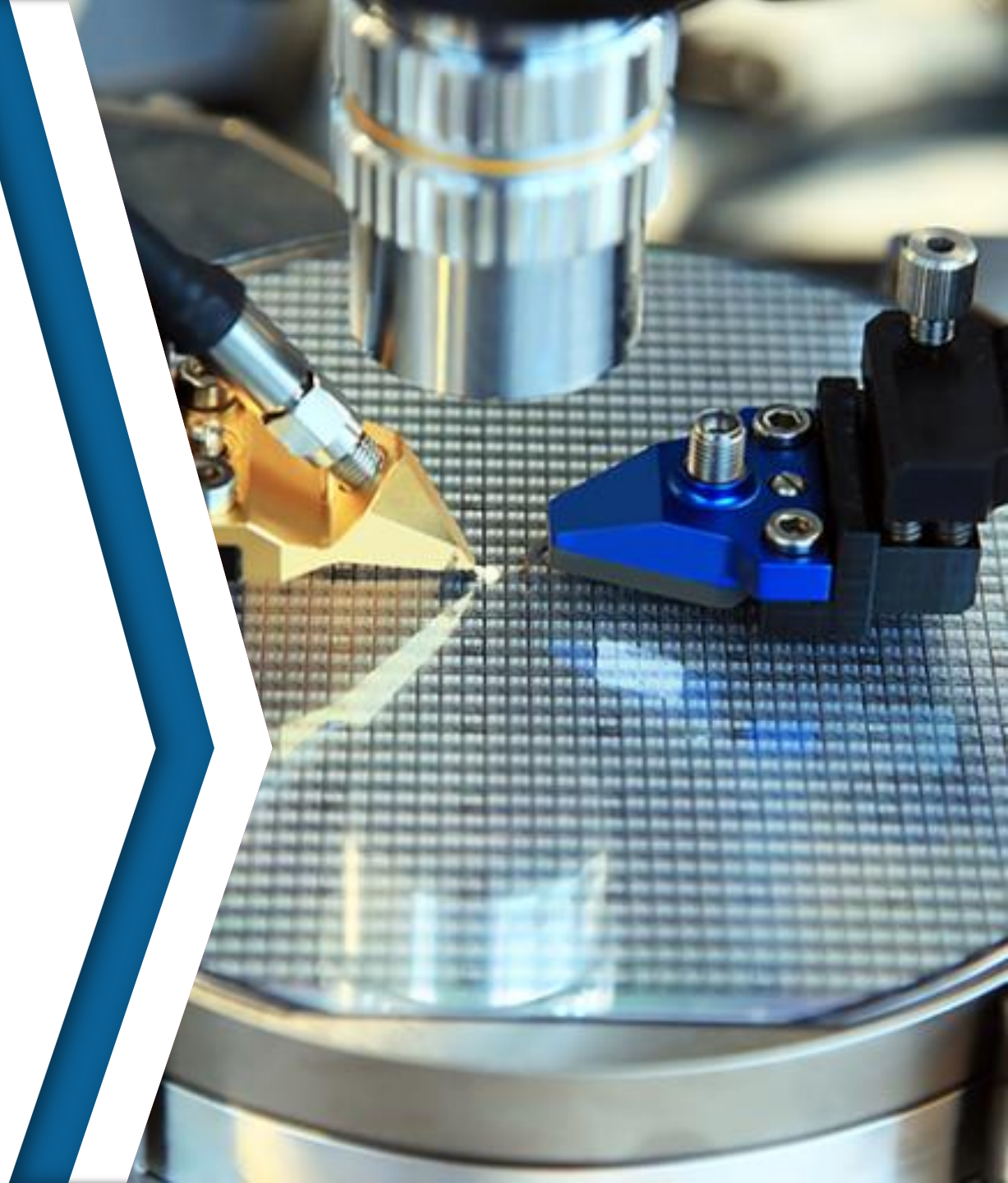


Global Semiconductor Equipment  
Market: Analysis By Segment, By  
Supply Chain, By Dimension, By  
Region Size and Trends with  
Impact of COVID-19 and Forecast  
up to 2026

June 2022



# Global Semiconductor Equipment Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

Regional Market Analysis

Impact of COVID

Dynamics

Competitive Landscape

Company Profiling

# Global Semiconductor Equipment Market: Coverage

## Scope of the Report

Attributes	Details
Title	Global Semiconductor Equipment Market: Analysis By Segment, By Supply Chain, By Dimension, By Region Size and Trends with Impact of COVID-19 and Forecast up to 2026
Coverage	Global and Regional
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2022-2026
Competition in the Market	Concentrated
Key Players	Applied Materials Inc., ASML Holding Semiconductor Company, Tokyo Electron Limited, Lam Research Corporation, KLA Corporation, Teradyne Inc., Screen Holding Co. Ltd, Advantest Corporation , Hitachi High Tech Corporation, ASM International N.V, Nikon Corporation, and Canon Inc.

# Global Semiconductor Equipment Market: Coverage

## Executive Summary

A semiconductor device is an electronic component whose function is dependent on the electronic properties of a semiconductor material (primarily silicon, germanium, gallium arsenide, and organic semiconductors). Since the appearance of integrated circuits in 1950s, transistor density has been growing, supported by technological developments in the manufacturing process. Semiconductor equipment is the cornerstone of process development, as every new generation of process node requires better and more complex equipment for manufacturing. The global semiconductor equipment market in 2021 was valued at US\$104.65 billion. The market is expected to reach US\$167.78 billion by 2026, growing at a CAGR of 9.90%, during the forecast period of 2022-2026.

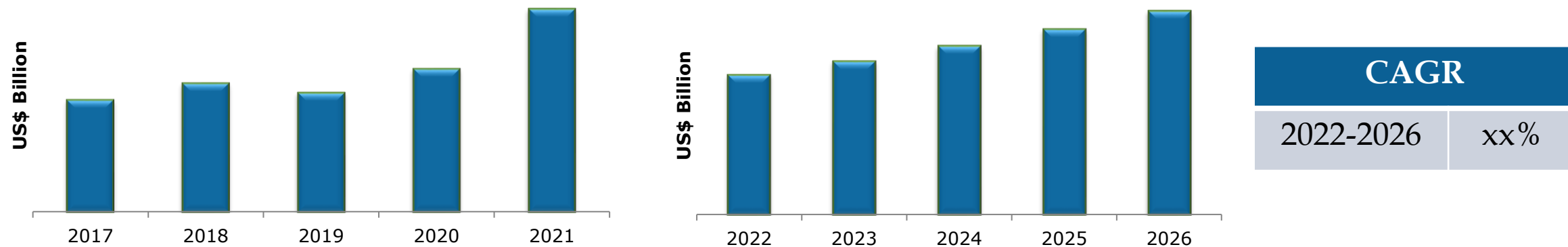
The global semiconductor equipment market can be segmented based on Segment (Wafer Equipment, Assembly and Packaging Equipment, and Test equipment); Supply Chain (IDM, OSAT, and Foundry) and Dimensions (2D, 2.5D and 3D). Among the segments, wafer equipment is leading the market with the maximum share of approx. 86% in the market in 2021. As advancements in wafer technologies that resulted in "denser packaging" of devices such as MEMS (micro-electro-mechanical system) and transistors are expected to lay the groundwork for new opportunities that companies can capitalize on, which have increased the demand of semiconductor equipment market. Asia Pacific is leading the global semiconductor equipment market by occupying 84% of the market share.

During the pandemic, semiconductor equipment manufacturers witnessed a small fall for a very short period of time as lockdown was imposed suddenly. While in the second half of 2020 and after that, the semiconductor equipment market sharply increased exceeding the fall due to acceleration of global economies' digital transformation as pandemic has boosted the digitalization. Increased use of electronic devices due to online classes and work from home, indirectly increased the demand for semiconductor equipment's as these devices need semiconductors and integrated circuits to be installed in them, which are manufactured from semiconductor equipment.

The global semiconductor equipment market has increased in 2021. The projections are made that the market would rise in the next four years i.e. 2022-2026 tremendously. The market is expected to increase due to growth in consumer electronics, rising government support, rapid urbanization, and mounting use of semiconductor equipment in gaming industry. Yet the market faces some challenges such as functional defects and complexities, geo political tension, etc. Moreover, the market growth would succeed to various market trends like increasing demand for AI and IOT, emerging industrial robots, sustainability and launch of 5G network, etc.

# Semiconductor Equipment Market: Global Analysis

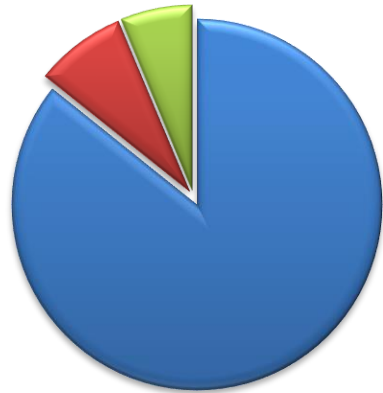
## Global Semiconductor Equipment Market by Value



The global semiconductor equipment market valued at US\$.... billion in 2021, increased as compared to US\$... billion in 2020.. Global semiconductor equipment market is anticipated to reach up to US\$... billion by 2026, at a CAGR of ....%, from US\$... billion in 2022.

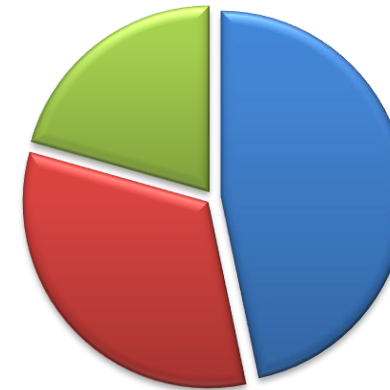
# Semiconductor Equipment Market: Global Analysis

Global Semiconductor Equipment Market by Segments;  
2021



Segments	Share
Wafer Equipment	xx%
Test Equipment	xx%
Assembly and Packaging	xx%

Global Semiconductor Equipment Market by  
Supply Chain; 2021



Supply Chain	Share
IDM	xx%
OSAT	xx%
Foundry	xx%

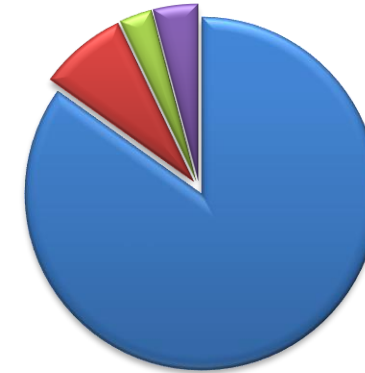
# Semiconductor Equipment Market: Global Analysis

Global Semiconductor Equipment Market by Dimension; 2021



Dimensions	Share
2.5D	xx%
3D	xx%
2D	xx%

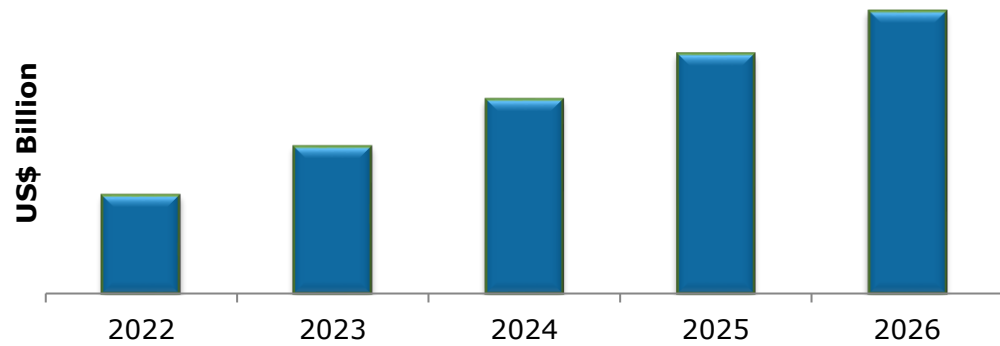
Global Semiconductor Equipment Market by Region; 2021



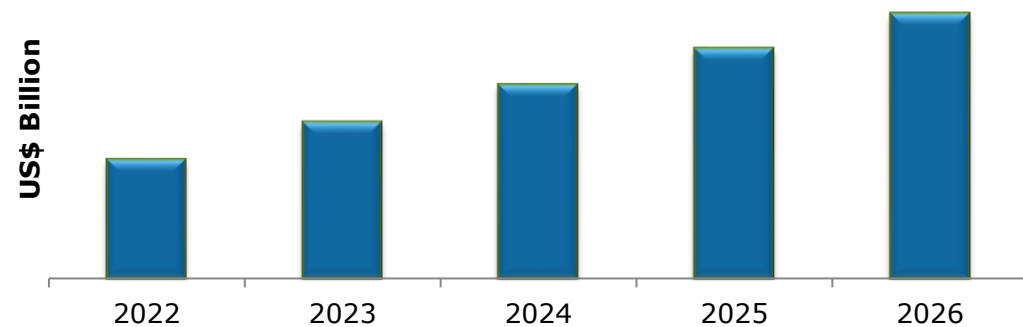
Region	Share
Asia Pacific	xx%
North America	xx%
Europe	xx%
Rest of the World	xx%

# Global Semiconductor Equipment Market: Segment Analysis

## Global Assembly and Packaging Semiconductor Equipment Market by Value



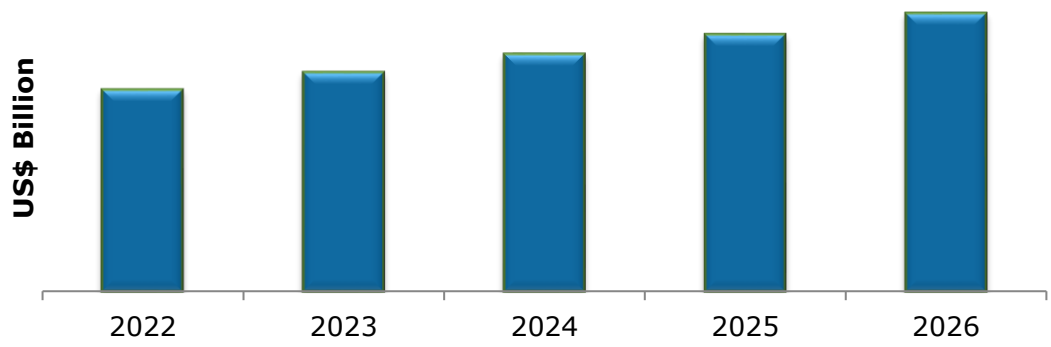
## Global Test Semiconductor Equipment Market by Value



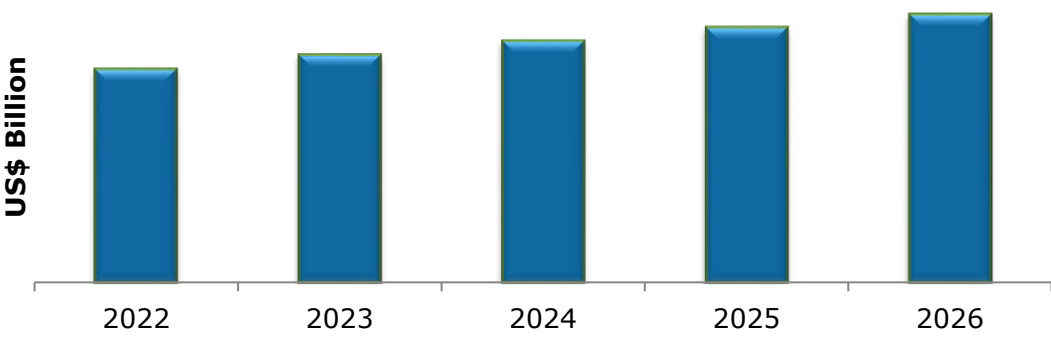
Segments	CAGR
	(2022-2026)
Assembly and Packaging Equipment	xx%
Test Equipment	xx%
Wafer Equipment	xx%

# Global Semiconductor Equipment Market: Supply Chain Analysis

### Global IDM Semiconductor Equipment Market by Value



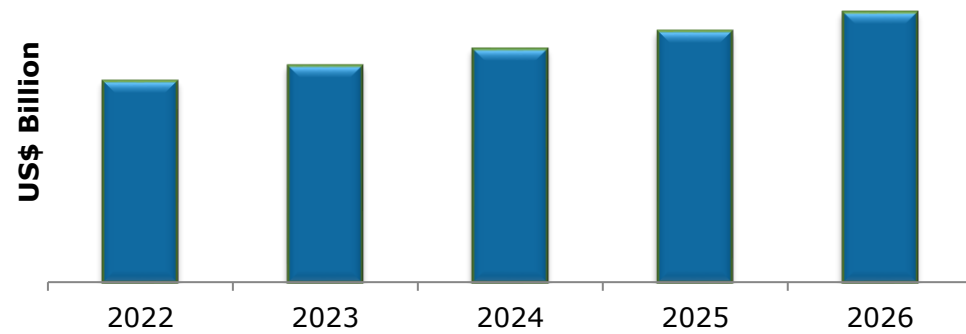
### Global OSAT Semiconductor Equipment Market by Value



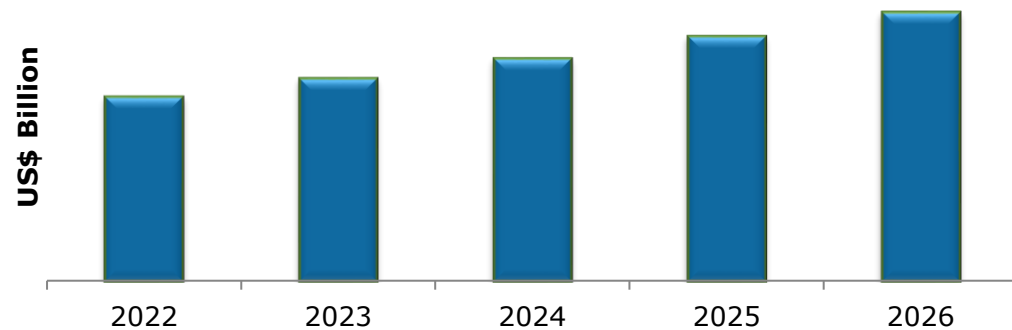
Supply Chain	CAGR
	(2022-2026)
IDM	xx%
OSAT	xx%
Foundry	xx%

# Global Semiconductor Equipment Market: Dimension Analysis

## Global 2.5D Semiconductor Equipment Market by Value



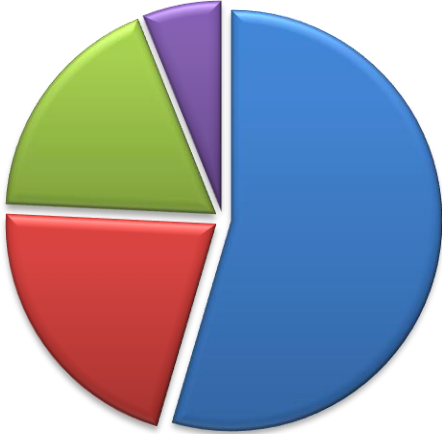
## Global 3D Semiconductor Equipment Market by Value



Dimension	CAGR
	(2022-2026)
2.5D	xx%
3D	xx%
2D	xx%

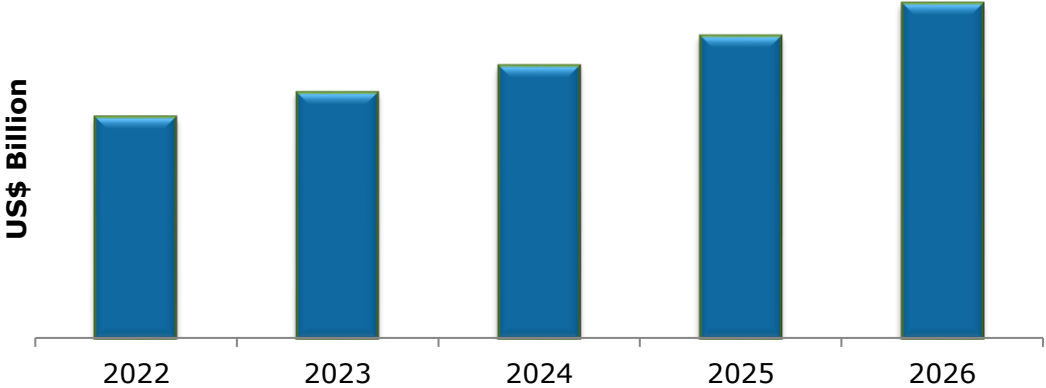
# Global Wafer Semiconductor Equipment Market: Segment Analysis

Global Wafer semiconductor equipment Market by Segments, 2021



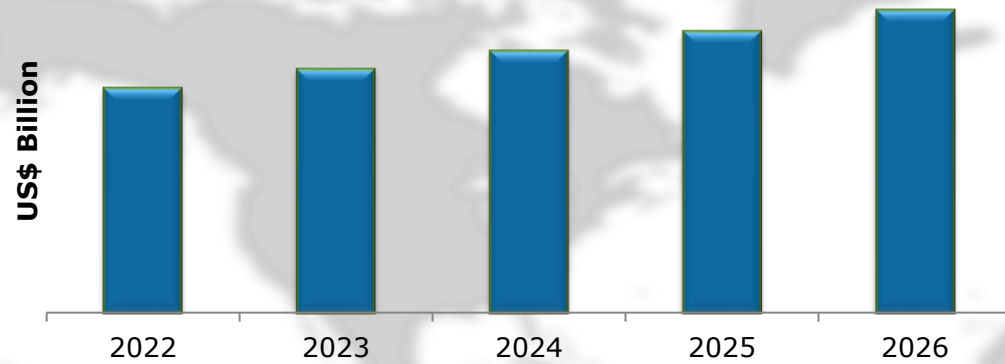
Segments	Share	CAGR
	(2021)	(2022-2026)
Logic	xx%	xx%
NAND	xx%	xx%
DRAM	xx%	xx%
Others	xx%	xx%

Global Logic Semiconductor Equipment Market by Value

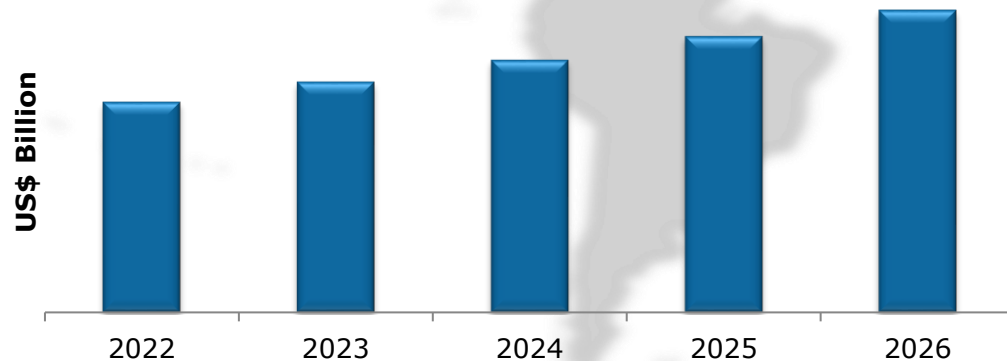


# Semiconductor Equipment : Regional Analysis

## Asia Pacific Semiconductor Equipment Market by Value



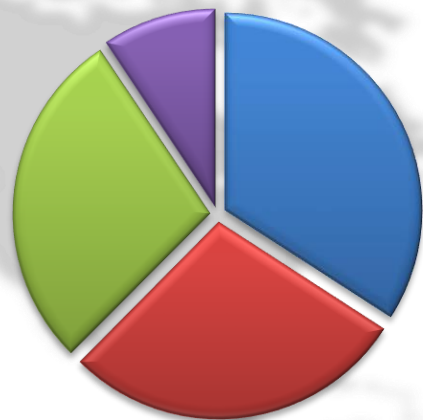
## North America Semiconductor Equipment Market by Value



Regions	CAGR
	(2022-2026)
Asia Pacific	xx%
North America	xx%
Europe	xx%
Rest of the World	xx%

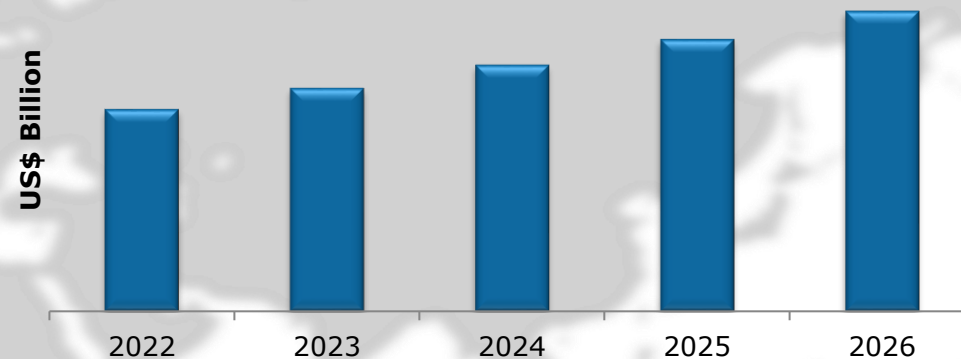
# Asia Pacific Semiconductor Equipment Market: Analysis

## Asia Pacific Semiconductor Equipment Market by Region; 2021



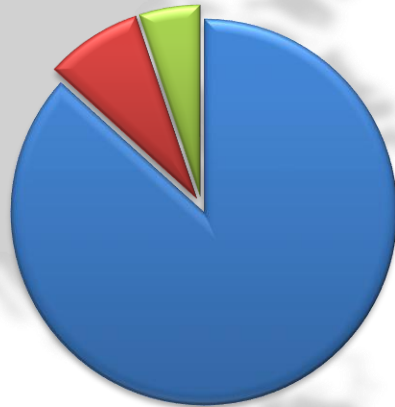
Region	Share	CAGR
	2021	(2022-2026)
China	xx%	xx%
South Korea	xx%	xx%
Taiwan	xx%	xx%
Japan	xx%	xx%

## China Semiconductor Equipment Market by Value

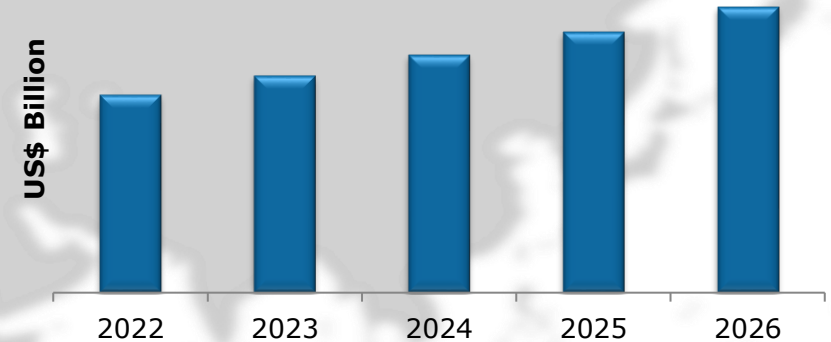


# North America Semiconductor Equipment Market: Analysis

North America Semiconductor Equipment by Region; 2021



The US Semiconductor Equipment by Value



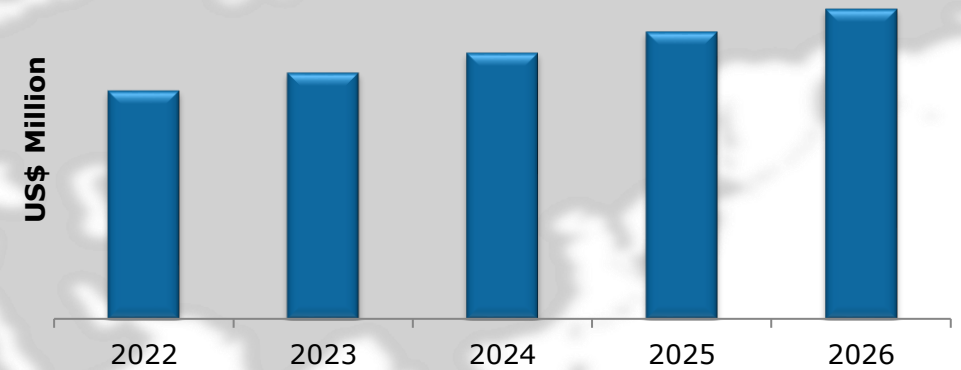
Region	Share (2021)	CAGR (2022-2026)
The US	xx%	xx%
Canada	xx%	xx%
Mexico	xx%	xx%

# Europe Semiconductor Equipment Market: Analysis

Europe Semiconductor Equipment Market by Region; 2021

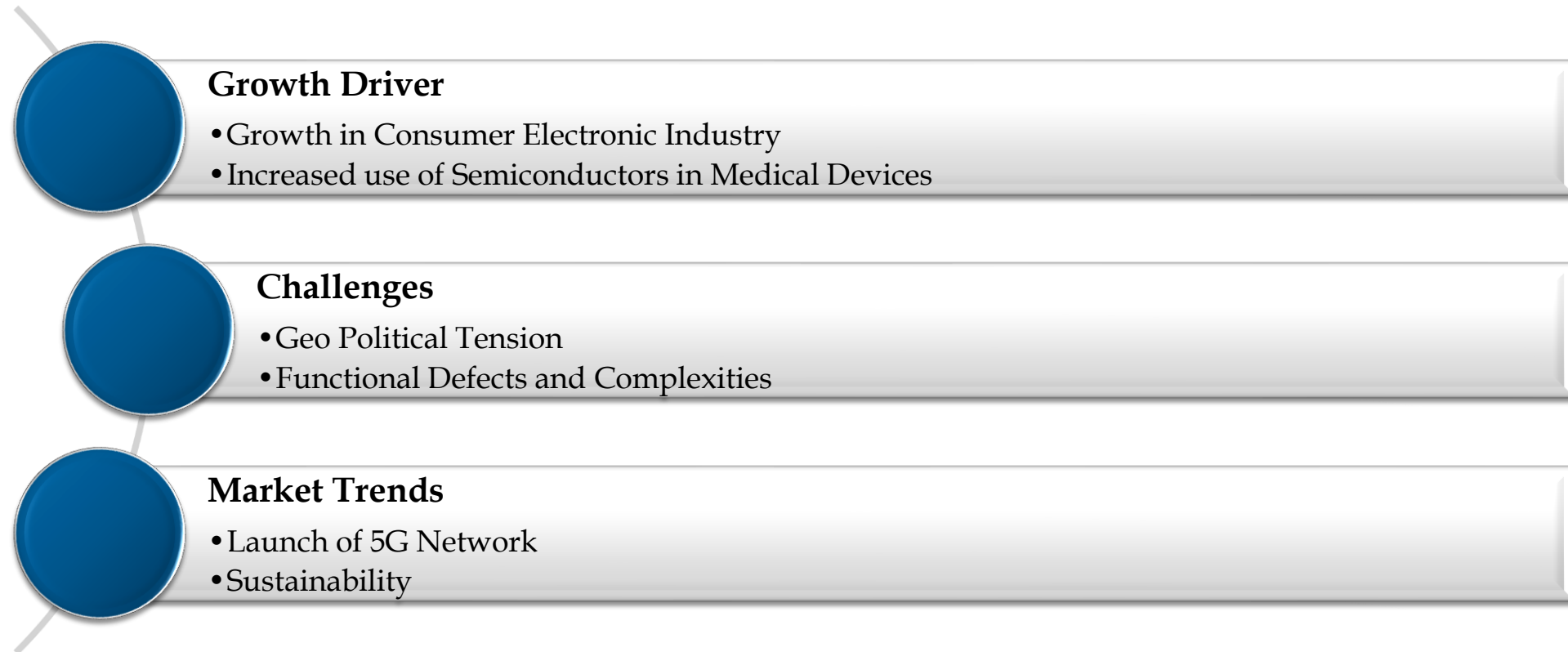


France Semiconductor Equipment Market by Value



Region	Share	CAGR
	(2021)	(2022-2026)
Germany	xx%	xx%
Italy	xx%	xx%
UK	xx%	xx%
France	xx%	xx%
Rest of Europe	xx%	xx%

# Global Semiconductor Equipment Market: Dynamics



# Global Semiconductor Equipment Market: Competitive Landscape

## Players Profiled

- Applied Materials Inc.,
- ASML Holding Semiconductor Company,
- Tokyo Electron Limited,
- Lam Research Corporation,
- KLA Corporation,
- Teradyne Inc.,
- Screen Holding Co. Ltd,
- Advantest Corporation,
- Hitachi High Tech Corporation,
- ASM International N.V,
- Nikon Corporation,
- Canon Inc.,

Global Semiconductor Equipment Players by Market Share; 2021 (Percentage,%)

