

Global Wafer Recycling and Foundry Service Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Wafer Recycling and Foundry Service market size was valued at US\$ 103770 million in 2024 and is forecast to a readjusted size of USD 174700 million by 2031 with a CAGR of 7.8% during review period.

Foundries play a crucial role in semiconductor fabrication since they provide access to advanced processing equipment necessary for chip production. Wafer recycling involves recovering used silicon substrates after completion of wafer processing steps typically performed at foundry sites before disposal. This technique helps minimize waste generation by reusing valuable materials rather than incinerating or sending them to landfills. Foundry service refers to a range of process engineering services provided directly within a fab facility itself or remotely utilizing telecommunication links via secure encrypted connections. Together these services enable continuous improvement of yields and output quality through timely expert intervention resolving technical issues encountered in daily operation.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0%

year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

This report is a detailed and comprehensive analysis for global Wafer Recycling and Foundry Service market. Both quantitative and qualitative analyses are presented by company, 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 2025, are provided.

Key Features:

Global Wafer Recycling and Foundry Service market size and forecasts, in consumption value (\$ Million), 2020-2031

Global Wafer Recycling and Foundry Service market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Wafer Recycling and Foundry Service market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Wafer Recycling and Foundry Service market shares of main players, in revenue (\$ Million), 2020-2025

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 Wafer Recycling and Foundry Service

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 Wafer Recycling and Foundry Service market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies

covered as a part of this study include Advantec, ROHM Semiconductor, TSMC, Globalfoundries, UMC, SMIC, Samsung, Dongbu HiTek, NOVA Electronic Materials, Fujitsu Semiconductor, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Wafer Recycling and Foundry Service market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Wafer Foundry Service

Wafer Recycling Service

Market segment by Application

Solar Cells

IC Progressing

Others

Market segment by players, this report covers

Advantec

ROHM Semiconductor

TSMC

Globalfoundries

UMC

SMIC

Samsung

Dongbu HiTek

NOVA Electronic Materials

Fujitsu Semiconductor

KST World

NanoSilicon

Noel Technologies

North East Silicon Technologies

Optim Wafer Services

Ferrotec Global

Fine Silicon Manufacturing

Seiren KST

MagnaChip Semiconductor

Powerchip Technology

STMicroelectronics

TowerJazz

Vanguard International Semiconductor

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Wafer Recycling and Foundry Service product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Wafer Recycling and Foundry Service, with revenue, gross margin, and global market share of Wafer Recycling and Foundry Service from 2020 to 2025.

Chapter 3, the Wafer Recycling and Foundry Service competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and Wafer Recycling and Foundry Service market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Wafer Recycling and Foundry Service.

Chapter 13, to describe Wafer Recycling and Foundry Service research findings and conclusion.

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