

Global Photovoltaic (PV) Equipment Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Photovoltaic (PV) Equipment market size was valued at USD 8307.7 million in 2023 and is forecast to a readjusted size of USD 16140 million by 2030 with a CAGR of 10.0% during review period.

This report includes PV industry production equipment as follows:

Production from raw material to silicon

Production from silicon to ingot

Production from ingot to wafer

Production from wafer to cell

Production from cell to module

Global key players of Photovoltaic (PV) Equipment include Applied Material, Amtech Systems, Maxwell, Folungwin, Zhangjiagang Ultrasonic, etc. The top five players hold a share over 19%. China is the largest producer of Photovoltaic (PV) Equipment, holds a share over 84 percent. In terms of application, PERC Cell has a share about 80 percent.

The Global Info Research report includes an overview of the development of the Photovoltaic (PV) Equipment industry chain, the market status of Conventional Monocrystalline Cell (Production from Raw Material to Silicon, Production from Silicon

to Ingot), Conventional Polycrystalline Cell (Production from Raw Material to Silicon, Production from Silicon to Ingot), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Photovoltaic (PV) Equipment.

Regionally, the report analyzes the Photovoltaic (PV) Equipment 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 Photovoltaic (PV) Equipment market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Photovoltaic (PV) Equipment 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 Photovoltaic (PV) Equipment 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 (K Units), revenue generated, and market share of different by Progress (e.g., Production from Raw Material to Silicon, Production from Silicon to Ingot).

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 Photovoltaic (PV) Equipment market.

Regional Analysis: The report involves examining the Photovoltaic (PV) Equipment 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 Photovoltaic (PV) Equipment market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Photovoltaic (PV) Equipment:

Company Analysis: Report covers individual Photovoltaic (PV) Equipment 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 Photovoltaic (PV) Equipment. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Conventional Monocrystalline Cell, Conventional Polycrystalline Cell).

Technology Analysis: Report covers specific technologies relevant to Photovoltaic (PV) Equipment. It assesses the current state, advancements, and potential future developments in Photovoltaic (PV) Equipment areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Photovoltaic (PV) Equipment 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

Photovoltaic (PV) Equipment market is split by Progress and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Progress, and by Application in terms of volume and value.

Market segment by Progress

Production from Raw Material to Silicon

Production from Silicon to Ingot

Production from Ingot to Wafer

Production from Wafer to Cell

Production from Cell to Module

Market segment by Application

Conventional Monocrystalline Cell

Conventional Polycrystalline Cell

PERC Cell

HJT Cell

TopCon Cell

Thin Film Cell

Others

Major players covered

Applied Material

Amtech Systems

Maxwell

Folungwin

Zhangjiagang Ultrasonic

LINTON

NAURA

SCHMID

RENA

Fullshare

CETC-E

RoboTechnik

Lead Intelligent

Tempress

Centrotherm

DR Laser

Jonas & Redmann

MANZ

Shanghai Buge

Wuxi Machine Vision Creation

Sunic Photoelectricity

Chroma ATE

FORTIX

DR Laser

GEC

Morimatsu

SPB

ECM Greentech

Komatsu NTC

Meyer Burger

WONIK IPS

ULVAC

Singulus

SEMCO Technologies

Levitech

InnoLas Solutions

3D-Micromac

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Ecoprogetti

Jinchen Machinery

JSG

Shuangliang Eco-Energy

Autowell

SC-SOLAR

XN Automation

TZTEK

WXSJ

Qingdao Gaoce

Boostsolar

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 Photovoltaic (PV) Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Photovoltaic (PV) Equipment, with price, sales, revenue and global market share of Photovoltaic (PV) Equipment from 2019 to 2024.

Chapter 3, the Photovoltaic (PV) Equipment competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Photovoltaic (PV) Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Progress and application, with sales market share and growth rate by progress, application, from 2019 to 2030.

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 2023. and Photovoltaic (PV) Equipment market forecast, by regions, progress and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Photovoltaic (PV) Equipment.

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