

Global Mobile Robots (AGV&AMR) for PV Market Growth 2026-2032

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Abstracts

The global Mobile Robots (AGV&AMR) for PV market size is predicted to grow from US\$ 283 million in 2025 to US\$ 2715 million in 2032; it is expected to grow at a CAGR of 38.9% from 2026 to 2032.

It is expected that global demand for photovoltaic products will remain high in the next few years. According to our PV & Solar Research Center, by the end of 2022, the global cumulative installed photovoltaic power generation capacity is about 1180 GW. According to the data of China Photovoltaic Industry Association, the global newly installed photovoltaic capacity in 2022 is about 230 GW, and this number in 2023 is predicted to be 280-330 GW. According to the data of the Ministry of Industry and Information Technology, the total output value of China's photovoltaic industry exceeded 1.4 trillion yuan in 2022. From the perspective of production value, mainland China is still the global center of the PV industry. According to the International Energy Agency, China market share in all key products of the supply chain have exceeded 80%. Among them, the production capacity of silicon wafers, solar cells, and components accounts for as high as 98%, 85% and 77%, respectively. According to the data released by the European Photovoltaic Association, 27 EU countries gained a new PV installed capacity of 41.4 GW in 2022. According to the report of the US Solar Energy Industries Association (SEIA), the US held a new PV installed capacity of less than 19 GW in 2022. But it is estimated that from 2023, the average annual growth rate of new photovoltaic installed capacity will exceed 21%. In terms of Japan, based on data from Fitch and the US Energy Information Administration (EIA), in 2022, Japan's newly installed photovoltaic capacity was 3.137 GW.

LP Information, Inc. (LPI) ' newest research report, the "Mobile Robots (AGV&AMR) for PV Industry Forecast" looks at past sales and reviews total world Mobile Robots

(AGV&AMR) for PV sales in 2025, providing a comprehensive analysis by region and market sector of projected Mobile Robots (AGV&AMR) for PV sales for 2026 through 2032. With Mobile Robots (AGV&AMR) for PV sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Mobile Robots (AGV&AMR) for PV industry.

This Insight Report provides a comprehensive analysis of the global Mobile Robots (AGV&AMR) for PV landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Mobile Robots (AGV&AMR) for PV portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Mobile Robots (AGV&AMR) for PV market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Mobile Robots (AGV&AMR) for PV and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Mobile Robots (AGV&AMR) for PV.

This report presents a comprehensive overview, market shares, and growth opportunities of Mobile Robots (AGV&AMR) for PV market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

AGV

AMR

Segmentation by Application:

Photovoltaic Cells

Photovoltaic Modules

Photovoltaic Power Station

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

CASUN

HIKROBOT

Staubli

Guangzhou Lanhai Robot

IPLUSMOBOT

Zhejiang Guozi Robot

Theseus Tech

Wuhan DeepSea-AI Technology

Hangzhou Lanxin

Shanghai Quicktron

Standard Robots

Key Questions Addressed in this Report

What is the 10-year outlook for the global Mobile Robots (AGV&AMR) for PV market?

What factors are driving Mobile Robots (AGV&AMR) for PV market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Mobile Robots (AGV&AMR) for PV market opportunities vary by end market size?

How does Mobile Robots (AGV&AMR) for PV break out by Type, by Application?

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