

Global Glass Substrate Handling Arms Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Glass Substrate Handling Arms market size is expected to reach \$ 1020 million by 2032, rising at a market growth of 6.1% CAGR during the forecast period (2026-2032).

Glass Substrate Handling Arms are precision robotic handling components used to pick, transfer, position, and load glass substrates during semiconductor, display panel, and optoelectronic manufacturing processes. These arms are typically designed for cleanroom environments and are used to handle fragile glass sheets, LCD/OLED panels, UTG glass, glass wafers, and other thin glass materials with high accuracy and minimal surface contact. They often integrate vacuum suction, non-contact support, anti-static design, lightweight materials, and high-precision motion control to reduce breakage, contamination, scratches, and particle generation during automated production. In 2025, global Glass Substrate Handling Arms production reached approximately 8245 units, with an average global market price of around 81 k USD/unit. The production capacity for Glass Substrate Handling Arms in 2025 was approximately 10000 units. The typical gross profit margin for Glass Substrate Handling Arms between 20% and 40%.

The Glass Substrate Handling Arms market is driven by the expansion of LCD, OLED, AMOLED, semiconductor packaging, and advanced optoelectronic manufacturing. As glass substrates become thinner, larger, and more fragile, manufacturers require higher-precision handling arms to improve automation efficiency, yield, and process stability. Demand is supported by investments in display panel production lines, foldable device manufacturing, UTG glass processing, advanced packaging, and cleanroom automation. The market is expected to grow with the adoption of larger-generation glass substrates, higher panel production capacity, and increasing requirements for low-

particle, low-vibration, and high-reliability handling solutions.

This report studies the global Glass Substrate Handling Arms production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Glass Substrate Handling Arms and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Glass Substrate Handling Arms that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Glass Substrate Handling Arms total production and demand, 2021-2032, (Units)

Global Glass Substrate Handling Arms total production value, 2021-2032, (USD Million)

Global Glass Substrate Handling Arms production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Glass Substrate Handling Arms consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Glass Substrate Handling Arms domestic production, consumption, key domestic manufacturers and share

Global Glass Substrate Handling Arms production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Glass Substrate Handling Arms production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Glass Substrate Handling Arms production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Glass Substrate Handling Arms market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include JEL Corporation, Nidec Instruments, Yaskawa, RORZE Corporation, DAIHEN Corporation, Hirata Corporation, Kawasaki Robotics, Brooks Automation, Sanwa Engineering, Robostar, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Glass Substrate Handling Arms market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Glass Substrate Handling Arms Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Glass Substrate Handling Arms Market, Segmentation by Type:

Contact Type

Non-contact Type

Global Glass Substrate Handling Arms Market, Segmentation by Glass Size:

?300 mm

300?1000 mm

?1000 mm

Global Glass Substrate Handling Arms Market, Segmentation by Application:

Semiconductor

LCD Panel Manufacturing

OLED / AMOLED Panel Manufacturing

Optoelectronics

Others

Companies Profiled:

JEL Corporation

Nidec Instruments

Yaskawa

RORZE Corporation

DAIHEN Corporation

Hirata Corporation

Kawasaki Robotics

Brooks Automation

Sanwa Engineering

Robostar

HYULIM Robot

isel Germany AG

Staubli

Kensington Laboratories

HIWIN Technologies

SIASUN ROBOT&AUTOMATION

Key Questions Answered:

1. How big is the global Glass Substrate Handling Arms market?
2. What is the demand of the global Glass Substrate Handling Arms market?
3. What is the year over year growth of the global Glass Substrate Handling Arms market?
4. What is the production and production value of the global Glass Substrate Handling Arms market?
5. Who are the key producers in the global Glass Substrate Handling Arms market?
6. What are the growth factors driving the market demand?

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