

# **Foundry Robots Market Size, Share, and Outlook, 2025 Report- By Type (Electric Drive Robots, Hydraulic Robots, Others), By Application (Commercial, Civil, Military), By End-User (Automotive, Metal foundry, Semiconductor foundry, Others), 2018-2032**

<https://marketpublishers.com/r/F907B68E778BEN.html>

Date: April 2025

Pages: 182

Price: US\$ 3,680.00 (Single User License)

ID: F907B68E778BEN

## **Abstracts**

### Foundry Robots Market Outlook

The Foundry Robots Market size is expected to register a growth rate of 6.3% during the forecast period from \$348.78 Million in 2025 to \$534.9 Million in 2032. The Foundry Robots market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Foundry Robots segments across 22 countries from 2021 to 2032. Key segments in the report include By Type (Electric Drive Robots, Hydraulic Robots, Others), By Application (Commercial, Civil, Military), By End-User (Automotive, Metal foundry, Semiconductor foundry, Others). Over 70 tables and charts showcase findings from our latest survey report on Foundry Robots markets.

### Foundry Robots Market Insights, 2025

The foundry robots market is growing rapidly as manufacturers in the metal casting and automotive industries embrace automation to improve precision, safety, and efficiency. Robotics leaders such as ABB, KUKA, and FANUC are developing high-heat-resistant robots capable of handling molten metal, die casting, and precision machining in

foundries. With the rise of Industry 4.0, foundry robots are increasingly integrated with AI-based quality inspection systems and predictive maintenance tools. The demand for lightweight metal components in electric vehicles (EVs) and aerospace industries is driving investment in robotic automation to improve consistency and reduce waste. Additionally, collaborative robots (cobots) are being deployed in foundries to assist human operators in complex tasks while enhancing workplace safety. As global foundries modernize their operations, the adoption of high-performance, AI-driven robots will continue to accelerate.

### Five Trends that will define global Foundry Robots market in 2025 and Beyond

A closer look at the multi-million market for Foundry Robots identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Foundry Robots companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Foundry Robots vendors.

### What are the biggest opportunities for growth in the Foundry Robots industry?

The Foundry Robots sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

### Foundry Robots Market Segment Insights

The Foundry Robots industry presents strong offers across categories. The analytical report offers forecasts of Foundry Robots industry performance across segments and countries. Key segments in the industry include%li%By Type (Electric Drive Robots, Hydraulic Robots, Others), By Application (Commercial, Civil, Military), By End-User (Automotive, Metal foundry, Semiconductor foundry, Others). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Foundry Robots market size outlook is provided for 22 countries across these regions.

### Market Value Chain

The chapter identifies potential companies and their operations across the global Foundry Robots industry ecosystem. It assists decision-makers in evaluating global Foundry Robots market fundamentals, market dynamics, and disruptive trends across the value chain segments.

### Scenario Analysis and Forecasts

Strategic decision-making in the Foundry Robots industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

### Asia Pacific Foundry Robots Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

### The State of Europe Foundry Robots Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Foundry Robots with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes

the market outlook. The report analyses the key Foundry Robots market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Foundry Robots market Insights%li%Vendors are exploring new opportunities within the US Foundry Robots industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Foundry Robots companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Foundry Robots market.

Latin American Foundry Robots market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Foundry Robots Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Foundry Robots markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Foundry Robots markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Foundry Robots companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include ABB, Alfa Robot, Arburg, Engel, FANUC, Harmo, IRobot, Kawasaki Heavy Industries, KUKA, Nachi-Fujikoshi, OMRON Adept Technologies, Sepro Robotique, Staubli Robotics, TecnoMatic Robots, Yamaha Robotics, Yaskawa Electric Corp.

## Foundry Robots Market Segmentation

### By Type

Electric Drive Robots

Hydraulic Robots

Others

### By Application

Commercial

Civil

Military

### By End-User

Automotive

Metal foundry

Semiconductor foundry

Others

## Leading Companies

ABB

Alfa Robot

Arburg

Engel

FANUC

Harmo

IRobot

Kawasaki Heavy Industries

KUKA

Nachi-Fujikoshi

OMRON Adept Technologies

Sepro Robotique

Staubli Robotics

TecnoMatic Robots

Yamaha Robotics

Yaskawa Electric Corp

## Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

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**Hydraulic Robots**

**Others**

### **By Application**

**Commercial**

**Civil**

**Military**

### **By End-User**

**Automotive**

**Metal foundry**

**Semiconductor foundry**

**Others**

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**FANUC**

**Harmo**

**IRobot**

**Kawasaki Heavy Industries**

**KUKA**

**Nachi-Fujikoshi**  
**OMRON Adept Technologies**  
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