

Global Robot End-Effector Market by Type (Welding Guns, Grippers, Suction Cups, Tool Changers), Applications (Handling, Assembly, Welding, dispensing, processing and other), Industry (Automotive, Electrical & Electronics, Food & Beverages, E-Commerce and other), and Regional Forecasts 2021-2027

<https://marketpublishers.com/r/G546684116ADEN.html>

Date: May 2021

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G546684116ADEN

Abstracts

Global Robot End Effector Market is valued approximately at USD 3 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 16.9% over the forecast period 2021-2027. The Robot end effector, also described as end-of-arm tooling (EOAT), is a device, tool, or accessory attached to a robotic wrist or joint. It is the robot's final point of interaction with the world, and it is programmed and engineered to complete specific tasks. tool changers, collision sensors, Robotic grippers, pressure tools, compliance devices, rotary connectors, burr cleaning tools, and arc welding torches are all part of the package. As the automation market is rapidly expanding, the demand for robot applications in various end user industries has increased worldwide and this drives the demand for robot stations. As a result of significant market competition and the need for better product quality and production speed, emerging markets are more automated. This has led to several robotic innovations that involve routine tasks, including end-effectors for different surfaces and different freedom stages. For instance, as per Statista, it is estimated that the automation industry generates approx. USD 214 billion worldwide. By 2021 it is anticipated that the process automation sector will reach more than USD 83 billion. In particular in 3D printing, artificial intelligence, and drones, which are expected to almost double global sales in this period, the global automation market is projected to grow in the future. Furthermore, Japan is ranked second globally with 55.2 thousand annual industrial robots after China

with 154 thousand installations per annum, according to a latest IFR report published in 2019. China is covering 52 per cent of world demand by producing industrial robots on large scale. However, difficulty in Integration with Existing Processes and Operations, may impede market growth over the forecast period of 2021-2027.

Regional Analysis

Asia Pacific is dominating the robot end effector market and also registered the fastest growth in upcoming years. However, the Asia-Pacific region is driven by rapid growth in modernization and industrialization across the region, as well as most manufacturing industries moving to automation of their process methods to reduce workforce. In addition, collaborative robots are increasingly being used in the communications, automotive, and other industries to boost productivity. However, the market is also expanding in Europe, owing to an increasing trend toward automation and continued advances in robot end-effector technology. A significant factor driving the growth of the robot end-effector market in the area is the growing adoption of robots in a variety of tasks, such as welding, machine handling, and household work.

Major market player included in this report are:

JH Robotics
Zimmer Group
Schunk
Schmalz
Applied Robotics
EMI Corp.
Festo
Soft Robotics
ATI Industrial Automation
Weiss Robotics

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key

players. The detailed segments and sub-segment of the market are explained below:

By Type:

- Welding Guns
- Grippers
- Suction Cups
- Clamps
- Tool Changers
- Others

By Industry:

- Handling
- Assembly
- Welding
- Dispensing
- Processing
- Others

By Application:

- Automotive
- Electrical and Electronics
- Plastics, Rubber, and Chemicals
- Metals and Machinery
- Other

By Region:

- North America
 - U.S.
 - Canada
- Europe
 - UK
 - Germany
 - France
 - Spain
 - Italy
 - ROE

Asia Pacific

- China
- India
- Japan

Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019
Base year – 2020
Forecast period – 2021 to 2027.

Target Audience of the Global Robot End Effector Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
 - 1.2.1. Robot End Effector Market, by Region, 2019-2027 (USD Billion)
 - 1.2.2. Robot End Effector Market, by Type, 2019-2027 (USD Billion)
 - 1.2.3. Robot End Effector Market, by Industry, 2019-2027 (USD Billion)
 - 1.2.4. Robot End Effector Market, by Application, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL ROBOT END EFFECTOR MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL ROBOT END EFFECTOR MARKET DYNAMICS

- 3.1. Robot End Effector Market Impact Analysis (2019-2027)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Automation of Industrial Operations
 - 3.1.1.2. Rising Demand for Modular End Effectors
 - 3.1.2. Market Restraint
 - 3.1.2.1. Difficulty in Integration with Existing Processes and Operations
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Increasing demand for Additive Manufacturing
 - 3.1.3.2. Growing Demand for Electric Grippers

CHAPTER 4. GLOBAL ROBOT END EFFECTOR MARKET: INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economic
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ROBOT END EFFECTOR MARKET, BY TYPE

- 5.1. Market Snapshot
- 5.2. Global Robot End Effector Market by Product Type, Performance - Potential Analysis
- 5.3. Global Robot End Effector Market Estimates & Forecasts by Type 2018-2027 (USD Billion)
- 5.4. Robot End Effector Market, Sub Segment Analysis
 - 5.4.1. Welding Guns
 - 5.4.2. Grippers
 - 5.4.3. Suction Cups
 - 5.4.4. Clamps
 - 5.4.5. Tool Changers
 - 5.4.6. Others

CHAPTER 6. GLOBAL ROBOT END EFFECTOR MARKET, BY INDUSTRY

- a. Market Snapshot
- 6.1. Global Robot End Effector Market by Origin, Performance - Potential Analysis
- 6.2. Global Robot End Effector Market Estimates & Forecasts by Industry 2018-2027 (USD Billion)
- 6.3. Robot End Effector Market, Sub Segment Analysis
 - 6.3.1. Automotive
 - 6.3.2. Electrical and Electronics
 - 6.3.3. Plastics, Rubber, and Chemicals

6.3.4. Metals and Machinery

6.3.5. Other

CHAPTER 7. GLOBAL ROBOT END EFFECTOR MARKET, BY APPLICATION

b. Market Snapshot

7.1. Global Robot End Effector Market by Application, Performance - Potential Analysis

7.2. Global Robot End Effector Market Estimates & Forecasts by Application 2018-2027
(USD Billion)

7.3. Robot End Effector Market, Sub Segment Analysis

7.3.1. Handling

7.3.2. Assembly

7.3.3. Welding

7.3.4. Dispensing

7.3.5. Processing

7.3.6. Others

CHAPTER 8. GLOBAL ROBOT END EFFECTOR MARKET, REGIONAL ANALYSIS

8.1. Robot End Effector Market, Regional Market Snapshot

8.2. North America Robot End Effector Market

8.2.1. U.S. Robot End Effector Market

8.2.1.1. Type breakdown estimates & forecasts, 2018-2027

8.2.1.2. Industry breakdown estimates & forecasts, 2018-2027

8.2.1.3. Application breakdown estimates & forecasts, 2018-2027

8.2.2. Canada Robot End Effector Market

8.3. Europe Robot End Effector Market Snapshot

8.3.1. U.K. Robot End Effector Market

8.3.2. Germany Robot End Effector Market

8.3.3. France Robot End Effector Market

8.3.4. Spain Robot End Effector Market

8.3.5. Italy Robot End Effector Market

8.3.6. Rest of Europe Robot End Effector Market

8.4. Asia-Pacific Robot End Effector Market Snapshot

8.4.1. China Robot End Effector Market

8.4.2. India Robot End Effector Market

8.4.3. Japan Robot End Effector Market

8.4.4. Australia Robot End Effector Market

8.4.5. South Korea Robot End Effector Market

- 8.4.6. Rest of Asia Pacific Robot End Effector Market
- 8.5. Latin America Robot End Effector Market Snapshot
 - 8.5.1. Brazil Robot End Effector Market
 - 8.5.2. Mexico Robot End Effector Market
- 8.6. Rest of The World Robot End Effector Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Company Profiles
 - 9.2.1. JH Robotics
 - 9.2.1.1. Key Information
 - 9.2.1.2. Overview
 - 9.2.1.3. Financial (Subject to Data Availability)
 - 9.2.1.4. Product Summary
 - 9.2.1.5. Recent Developments
 - 9.2.2. Zimmer Group
 - 9.2.3. Schunk
 - 9.2.4. Schmalz
 - 9.2.5. Applied Robotics
 - 9.2.6. EMI Corp.
 - 9.2.7. Festo
 - 9.2.8. Soft Robotics
 - 9.2.9. ATI Industrial Automation
 - 9.2.10. Weiss Robotics

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 2. Global Robot End Effector Market, report scope

TABLE 3. Global Robot End Effector Market estimates & forecasts by region 2018-2027 (USD Billion)

TABLE 4. Global Robot End Effector Market estimates & forecasts by Type 2018-2027 (USD Billion)

TABLE 5. Global Robot End Effector Market estimates & forecasts by Industry 2018-2027 (USD Billion)

TABLE 6. Global Robot End Effector Market estimates & forecasts by Application 2018-2027 (USD Billion)

TABLE 7. Global Robot End Effector Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 8. Global Robot End Effector Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 9. Global Robot End Effector Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 10. Global Robot End Effector Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 11. Global Robot End Effector Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 12. Global Robot End Effector Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 13. Global Robot End Effector Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 14. Global Robot End Effector Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 15. Global Robot End Effector Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 16. Global Robot End Effector Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 17. Global Robot End Effector Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 18. Global Robot End Effector Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 19. Global Robot End Effector Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 20. Global Robot End Effector Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 21. Global Robot End Effector Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 22. Global Robot End Effector Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 23. U.S. Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 24. U.S. Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 25. U.S. Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 26. Canada Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 27. Canada Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 28. Canada Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 29. UK Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 30. UK Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 31. UK Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 32. Germany Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 33. Germany Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 34. Germany Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 35. France Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 36. France Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 37. France Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 38. Spain Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 39. Spain Robot End Effector Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 40. Spain Robot End Effector Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 41. Italy Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 42. Italy Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 43. Italy Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 44. ROE Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 45. ROE Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 46. ROE Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 47. China Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 48. China Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 49. China Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 50. India Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 51. India Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 52. India Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 53. Japan Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 54. Japan Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 55. Japan Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 56. Australia Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 57. Australia Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 58. Australia Robot End Effector Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 59. South Korea Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 60. South Korea Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 61. South Korea Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 62. ROPAC Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 63. ROPAC Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 64. ROPAC Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 65. Brazil Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 66. Brazil Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 67. Brazil Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 68. Mexico Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 69. Mexico Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 70. Mexico Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 71. ROLA Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 72. ROLA Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 73. ROLA Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 74. ROW Robot End Effector Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 75. ROW Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 76. ROW Robot End Effector Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 77. List of secondary sources used in the study of global Robot End Effector Market.

TABLE 78. List of primary sources used in the study of global Robot End Effector

Market.

TABLE 79. Years considered for the study.

TABLE 80. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Robot End Effector Market, research methodology
- FIG 2. Global Robot End Effector Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Robot End Effector Market, key trends 2020
- FIG 5. Global Robot End Effector Market, growth prospects 2021-2027
- FIG 6. Global Robot End Effector Market, porters 5 force model
- FIG 7. Global Robot End Effector Market, pest analysis
- FIG 8. Global Robot End Effector Market, value chain analysis
- FIG 9. Global Robot End Effector Market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Robot End Effector Market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Robot End Effector Market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Robot End Effector Market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Robot End Effector Market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Robot End Effector Market by segment, 2018 & 2027 (USD Billion)
- FIG 15. Global Robot End Effector Market by segment, 2018 & 2027 (USD Billion)
- FIG 16. Global Robot End Effector Market by segment, 2018 & 2027 (USD Billion)
- FIG 17. Global Robot End Effector Market, regional snapshot 2018 & 2027
- FIG 18. North America Robot End Effector Market 2018 & 2027 (USD Billion)
- FIG 19. Europe Robot End Effector Market 2018 & 2027 (USD Billion)
- FIG 20. Asia-Pacific Robot End Effector Market 2018 & 2027 (USD Billion)
- FIG 21. Latin America Robot End Effector Market 2018 & 2027 (USD Billion)
- FIG 22. Global Robot End Effector Market, company market share analysis (2019)

I would like to order

Product name: Global Robot End-Effector Market by Type (Welding Guns, Grippers, Suction Cups, Tool Changers), Applications (Handling, Assembly, Welding, dispensing, processing and other), Industry (Automotive, Electrical & Electronics, Food & Beverages, E-Commerce and other), and Regional Forecasts 2021-2027

Product link: <https://marketpublishers.com/r/G546684116ADEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G546684116ADEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970