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South & Central America Industrial Robotics Market Forecast to 2030 - Regional Analysis - by Types (Articulated, Cartesian, SCARA, Collaborative, Parallel, and Others), Function (Soldering and Welding, Material Handling, Assembling and Disassembling, Painting and Dispensing, Milling, and Cutting and Processing), and Industry (Automotive, Medical and Pharmaceuticals, Electrical and Electronics, Rubber and Plastics, Metal and Machinery, and Food and Agriculture)

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Abstracts

The South & Central America industrial robotics market is expected to grow from US$ 113.29 million in 2022 to US$ 238.03 million by 2030. It is estimated to grow at a CAGR of 9.7% from 2022 to 2030.

Sustainability and Green Economy Drives South & Central America Industrial Robotics Market

Sustainability and environmental considerations are anticipated to be vital trends in the South & Central America industrial robotics market. Industrial robots are being designed to be more energy efficient with improved power management systems and energy-saving features. In coming years, the robotics sector will focus on developing energy-efficient robots that would help companies lower their carbon footprint and achieve sustainability goals. Industrial robots can also improve material efficiency, optimize processes, and reduce waste. Additionally, advancements in recycling robot

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components and materials can reduce the industry's environmental impact. Industrial robotics are expected to involve green manufacturing practices to reduce the use of hazardous substances and minimize emissions. Manufacturers would be able to explore the usage of eco-friendly materials and sustainable design principles by introducing industrial robots. This will include selecting materials with lower environmental impact. By embracing sustainability and environmental considerations, the South & Central America industrial robotics market can contribute to a more sustainable manufacturing sector. These above-mentioned future trends will drive the development of more environment friendly robotics systems aligning with global efforts toward a greener and more sustainable future.

South & Central America Industrial Robotics Market Overview

The South & Central America industrial robotics market is segmented into Brazil, Argentina, and the Rest of South & Central America. The region held the smallest share of the market in the global analysis. In the past few years, South & Central America has witnessed business potential for warehouse and manufacturing automation. For instance, in 2021, ABB Ltd announced its plan to develop SafeMove collaborative robot technology at the manufacturing facility of Nestle SA, Brazil. The company, in collaboration with Nestle SA’s engineering team, developed an ABB IRB 660 robot with SafeMove technology, aimed at improving productivity by 53%. According to the statistical yearbook released by the International Federation of Robotics 2022, robot installations in Brazil were registered at 1,702 units in 2021, with an average annual growth rate of 7% compared to 2016. Further, end-use industries prefer suitable lubrication systems to decrease the wear and tear of robotic components and reduce downtime. Thus, the key factors such as growth in automobile and manufacturing sector are propelling the demand for industrial robots in South & Central America are anticipated which is expected to boost the South & Central America industrial robotics market during the forecast period. Moreover, various industrial robot manufacturers are launching new products in South & Central America. For instance, in 2021, Mitsubishi introduced the Assista collaboration robot to the region. Assista is built with ease of deployment for original equipment makers and end users, as its high-quality internal wiring and plumbing decrease the chance of cables becoming hooked or snagged, enhancing uptime and reducing the need for repairs. The South & Central America industrial robotics market in the region is expected to grow owing to factors such as the increasing adoption of robotics for the automotive and food & beverages industries. For instance, Nestle's confectionery plants benefit from ABB's SafeMove collaborative robot technology, which improves employee safety while enhancing efficiency. Nestl?, the world's largest food and beverage corporation, is deploying an ABB palletizing robot

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system to increase pallet loading productivity in its chocolate manufacturing plants in Brazil by 53%.

South & Central America Industrial Robotics Market Revenue and Forecast to 2030 (US$ Million)

South & Central America Industrial Robotics Market Segmentation

The South & Central America industrial robotics market is segmented into types, function, industry, and country.

Based on types, the South & Central America industrial robotics market is segmented into articulated, cartesian, SCARA, collaborative, parallel, and others. In 2022, the articulated segment registered the largest share in the South & Central America industrial robotics market.

Based on function, the South & Central America industrial robotics market is segmented into soldering and welding, material handling, assembling and disassembling, painting and dispensing, milling, and cutting and processing. In 2022, the soldering and welding segment registered the largest share in the South & Central America industrial robotics market.

Based on industry, the South & Central America industrial robotics market is segmented into automotive, medical and pharmaceuticals, electrical and electronics, rubber and plastics, metal and machinery, and food and agriculture. In 2022, the automotive segment registered the largest share in the South & Central America industrial robotics market.

Based on country, the South & Central America industrial robotics market is segmented into Brazil, Argentina, and the Rest of South & Central America. In 2022, Brazil registered the largest share in the South & Central America industrial robotics market.

ABB Ltd, Comau SpA, Fanuc Corp, Kawasaki Heavy Industries Ltd, Kuka AG, Mitsubishi Electric Corp, Seiko Epson Corp, Staubli International AG, Universal Robots AS, and Yaskawa Electric Corp are the leading companies operating in the South & Central America industrial robotics market.

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Contents

1. INTRODUCTION

1.1 Study Scope
1.2 The Insight Partners Research Report Guidance
1.3 Market Segmentation
  1.3.1 South & Central America Industrial Robotics Market– By Types
  1.3.2 South & Central America Industrial Robotics Market– By Function
  1.3.3 South & Central America Industrial Robotics Market– By Industry
  1.3.4 South & Central America Industrial Robotics Market- By Country

2. KEY TAKEAWAYS

3. RESEARCH METHODOLOGY

3.1 Coverage
3.2 Secondary Research
3.3 Primary Research

4. SOUTH & CENTRAL AMERICA INDUSTRIAL ROBOTICS MARKET LANDSCAPE

4.1 Market Overview
4.2 South & Central America PEST Analysis
4.3 Ecosystem Analysis
4.4 Expert Opinion

5. SOUTH & CENTRAL AMERICA INDUSTRIAL ROBOTICS MARKET– KEY MARKET DYNAMICS

5.1 Market Drivers
  5.1.1 Advancements in Automation and Industry 4.0
  5.1.2 Government Initiatives and Incentives
5.2 Market Restraints
  5.2.1 Lack of Skilled Workforce
5.3 Market Opportunities
  5.3.1 Second Life for Industrial Robots and ROI
5.4 Future Trends

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5.4.1 Sustainability and Green Economy
5.5 Impact Analysis of Drivers and Restraints

6. INDUSTRIAL ROBOTICS MARKET– SOUTH & CENTRAL AMERICA ANALYSIS

6.1 South & Central America Industrial Robotics Market Overview
6.2 South & Central America Industrial Robotics Market– Revenue and Forecast to 2030 (US$ Million)

7. SOUTH & CENTRAL AMERICA INDUSTRIAL ROBOTICS MARKET ANALYSIS – BY TYPES

7.1 Overview
7.2 South & Central America Industrial Robotics Market, By Types (2022 and 2030)
7.3 Articulated
7.3.1 Overview
7.3.2 Articulated: South & Central America Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
7.4 Cartesian
7.4.1 Overview
7.4.2 Cartesian: South & Central America Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
7.5 SCARA
7.5.1 Overview
7.5.2 SCARA: South & Central America Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
7.6 Collaborative
7.6.1 Overview
7.6.2 Collaborative: South & Central America Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
7.7 Parallel
7.7.1 Overview
7.7.2 Parallel: South & Central America Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
7.8 Others
7.8.1 Overview
7.8.2 Others: Middle East & Africa Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)

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8. SOUTH & CENTRAL AMERICA INDUSTRIAL ROBOTICS MARKET ANALYSIS – BY FUNCTION

8.1 Overview
8.2 South & Central America Industrial Robotics Market, By Function (2022 and 2030)
8.3 Soldering and Welding
  8.3.1 Overview
  8.3.2 Soldering and Welding: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
8.4 Material Handling
  8.4.1 Overview
  8.4.2 Material Handling: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
8.5 Assembling and Disassembling
  8.5.1 Overview
  8.5.2 Assembling and Disassembling: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
8.6 Painting and Dispensing
  8.6.1 Overview
  8.6.2 Painting and Dispensing: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
8.7 Milling
  8.7.1 Overview
  8.7.2 Milling: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
8.8 Cutting and Processing
  8.8.1 Overview
  8.8.2 Cutting and Processing: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
8.9 Others
  8.9.1 Others: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)

9. SOUTH & CENTRAL AMERICA INDUSTRIAL ROBOTICS MARKET ANALYSIS – BY INDUSTRY

9.1 Overview
9.2 South & Central America Industrial Robotics Market Breakdown, By Industry, 2022 & 2030

+44 20 8123 2220
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9.3 Automotive
9.3.1 Overview
9.3.2 Automotive Market Revenue and Forecast to 2030 (US$ Million)
9.4 Medical and Pharmaceuticals
9.4.1 Overview
9.4.2 Medical and Pharmaceuticals Market Revenue and Forecast to 2030 (US$ Million)
9.5 Electrical and Electronics
9.5.1 Overview
9.5.2 Electrical and Electronics Market Revenue and Forecast to 2030 (US$ Million)
9.6 Rubber and Plastics
9.6.1 Overview
9.6.2 Rubber and Plastics Market Revenue and Forecast to 2030 (US$ Million)
9.7 Metal and Machinery
9.7.1 Overview
9.7.2 Metal and Machinery Market Revenue and Forecast to 2030 (US$ Million)
9.8 Food and Agriculture
9.8.1 Overview
9.8.2 Food and Agriculture Market Revenue and Forecast to 2030 (US$ Million)
9.9 Others
9.9.1 Others Market Revenue and Forecast to 2030 (US$ Million)

10. SOUTH & CENTRAL AMERICA INDUSTRIAL ROBOTICS MARKET– COUNTRY ANALYSIS

10.1 Overview
10.1.1 SAM Industrial Robotics Market Breakdown, by Country
10.1.1.1 Brazil Industrial Robotics Market, Revenue and Forecast to 2030
10.1.1.1.1 Brazil Industrial Robotics Market Breakdown, By Types
10.1.1.1.2 Brazil Industrial Robotics Market Breakdown, By Types
10.1.1.1.3 Brazil Industrial Robotics Market Breakdown, By Function
10.1.1.1.4 Brazil Industrial Robotics Market Breakdown, By Industry
10.1.1.2 Argentina Industrial Robotics Market, Revenue and Forecast to 2030
10.1.1.2.1 Argentina Industrial Robotics Market Breakdown, By Types
10.1.1.2.2 Argentina Industrial Robotics Market Breakdown, By Types
10.1.1.2.3 Argentina Industrial Robotics Market Breakdown, By Function
10.1.1.2.4 Argentina Industrial Robotics Market Breakdown, By Industry
10.1.1.3 Rest of SAM Industrial Robotics Market, Revenue and Forecast to 2030
10.1.1.3.1 Rest of SAM Industrial Robotics Market Breakdown, By Types

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10.1.1.3.2 Rest of SAM Industrial Robotics Market Breakdown, By Types
10.1.1.3.3 Rest of SAM Industrial Robotics Market Breakdown, By Function
10.1.1.3.4 Rest of SAM Industrial Robotics Market Breakdown, By Industry

11. INDUSTRY LANDSCAPE

11.1 Overview
11.2 Mergers and Acquisitions
11.3 Agreements, Collaborations and Joint Ventures
11.4 New Product Launches

12. COMPANY PROFILES

12.1 Kawasaki Heavy Industries Ltd
12.1.1 Key Facts
12.1.2 Business Description
12.1.3 Products and Services
12.1.4 Financial Overview
12.1.5 SWOT Analysis
12.1.6 Key Developments
12.2 Yaskawa Electric Corp
12.2.1 Key Facts
12.2.2 Business Description
12.2.3 Products and Services
12.2.4 Financial Overview
12.2.5 SWOT Analysis
12.2.6 Key Developments
12.3 Universal Robots AS
12.3.1 Key Facts
12.3.2 Business Description
12.3.3 Products and Services
12.3.4 Financial Overview
12.3.5 SWOT Analysis
12.3.6 Key Developments
12.4 Comau SpA
12.4.1 Key Facts
12.4.2 Business Description
12.4.3 Products and Services
12.4.4 Financial Overview

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12.4.5 SWOT Analysis
12.4.6 Key Developments
12.5 Kuka AG
12.5.1 Key Facts
12.5.2 Business Description
12.5.3 Products and Services
12.5.4 Financial Overview
12.5.5 SWOT Analysis
12.5.6 Key Developments
12.6 Mitsubishi Electric Corp
12.6.1 Key Facts
12.6.2 Business Description
12.6.3 Products and Services
12.6.4 Financial Overview
12.6.5 SWOT Analysis
12.6.6 Key Developments
12.7 Seiko Epson Corp
12.7.1 Key Facts
12.7.2 Business Description
12.7.3 Products and Services
12.7.4 Financial Overview
12.7.5 SWOT Analysis
12.7.6 Key Developments
12.8 Fanuc Corp
12.8.1 Key Facts
12.8.2 Business Description
12.8.3 Products and Services
12.8.4 Financial Overview
12.8.5 SWOT Analysis
12.8.6 Key Developments
12.9 ABB Ltd
12.9.1 Key Facts
12.9.2 Business Description
12.9.3 Products and Services
12.9.4 Financial Overview
12.9.5 SWOT Analysis
12.9.6 Key Developments
12.10 Staubli International AG
12.10.1 Key Facts

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12.10.2 Business Description
12.10.3 Products and Services
12.10.4 Financial Overview
12.10.5 SWOT Analysis
12.10.6 Key Developments

13. APPENDIX

13.1 About The Insight Partners
13.2 Word Index

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List Of Tables

LIST OF TABLES

Table 1. South & Central America Industrial Robotics Market– Revenue and Forecast to 2030 (US$ Million)
Table 2. South & Central America Industrial Robotics Market – Volume and Forecast to 2030 (Units)
Table 3. Articulated: South & Central America Industrial Robotics Market – Volume, and Forecast to 2030 (Units)
Table 4. Cartesian: South & Central America Industrial Robotics Market – Volume, and Forecast to 2030 (Units)
Table 5. SCARA: South & Central America Industrial Robotics Market – Volume, and Forecast to 2030 (Units)
Table 6. Collaborative: South & Central America Industrial Robotics Market – Volume, and Forecast to 2030 (Units)
Table 7. Parallel: South & Central America Industrial Robotics Market – Volume, and Forecast to 2030 (Units)
Table 8. Others: South & Central America Industrial Robotics Market – Volume, and Forecast to 2030 (Units)
Table 9. SAM Industrial Robotics Market, Revenue and Forecast To 2030 – By Country (US$ Million)
Table 10. Brazil Industrial Robotics Market, Revenue and Forecast to 2030 – By Types (US$ Million)
Table 11. Brazil Industrial Robotics Market, Volume and Forecast to 2030 – By Type (Units)
Table 12. Brazil Industrial Robotics Market, Revenue and Forecast to 2030 – By Function (US$ Million)
Table 13. Brazil Industrial Robotics Market, Revenue and Forecast to 2030 – By Industry (US$ Million)
Table 14. Argentina Industrial Robotics Market, Revenue and Forecast to 2030 – By Types (US$ Million)
Table 15. Argentina Industrial Robotics Market, Volume and Forecast to 2030 – By Type (Units)
Table 16. Argentina Industrial Robotics Market, Revenue and Forecast to 2030 – By Function (US$ Million)
Table 17. Argentina Industrial Robotics Market, Revenue and Forecast to 2030 – By Industry (US$ Million)
Table 18. Rest of SAM Industrial Robotics Market, Revenue and Forecast to 2030 – By

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Types (US$ Million)
Table 19. Rest of SAM Industrial Robotics Market, Volume and Forecast to 2030 – By Type (Units)
Table 20. Rest of SAM Industrial Robotics Market, Revenue and Forecast to 2030 – By Function (US$ Million)
Table 21. Rest of SAM Industrial Robotics Market, Revenue and Forecast to 2030 – By Industry (US$ Million)
Table 22. List of Abbreviation

+44 20 8123 2220
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List Of Figures

LIST OF FIGURES

Figure 1. South & Central America Industrial Robotics Market Segmentation
Figure 2. South & Central America Industrial Robotics Market Segmentation – By Country
Figure 3. South & Central America Industrial Robotics Market Overview
Figure 4. Articulated Segment held the Largest Share of South & Central America Industrial Robotics Market
Figure 5. Soldering and Welding Segment held the Largest Share of South & Central America Industrial Robotics Market
Figure 6. Automotive Segment held the Largest Share of South & Central America Industrial Robotics Market
Figure 7. Brazil to Show Great Traction During Forecast Period
Figure 8. South & Central America: PEST Analysis
Figure 9. Expert Opinion
Figure 10. South & Central America Industrial Robotics Market Impact Analysis of Drivers and Restraints
Figure 11. South & Central America Industrial Robotics Market– Revenue and Forecast to 2030 (US$ Million)
Figure 12. South & Central America Industrial Robotics Market Revenue Share, By Types (2022 and 2030)
Figure 13. Articulated: South & Central America Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
Figure 14. Cartesian: South & Central America Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
Figure 15. SCARA: South & Central America Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
Figure 16. Collaborative: South & Central America Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
Figure 17. Parallel: South & Central America Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
Figure 18. Others: Middle East & Africa Industrial Robotics Market– Revenue, and Forecast to 2030 (US$ Million)
Figure 19. South & Central America Industrial Robotics Market Revenue Share, By Function (2022 and 2030)
Figure 20. Soldering and Welding: South & Central America Industrial Robotics Market-

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Revenue and Forecast to 2030 (US$ Million)
Figure 21. Material Handling: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
Figure 22. Assembling and Disassembling: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
Figure 23. Painting and Dispensing: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
Figure 24. Milling: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
Figure 25. Cutting and Processing: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
Figure 26. Others: South & Central America Industrial Robotics Market- Revenue and Forecast to 2030 (US$ Million)
Figure 27. South & Central America Industrial Robotics Market Breakdown, By Industry (2022 and 2030)
Figure 28. Automotive Market Revenue and Forecast to 2030 (US$ Million)
Figure 29. Medical and Pharmaceuticals Market Revenue and Forecast to 2030 (US$ Million)
Figure 30. Electrical and Electronics Market Revenue and Forecast to 2030 (US$ Million)
Figure 31. Rubber and Plastics Market Revenue and Forecast to 2030 (US$ Million)
Figure 32. Metal and Machinery Market Revenue and Forecast to 2030 (US$ Million)
Figure 33. Food and Agriculture Market Revenue and Forecast to 2030 (US$ Million)
Figure 34. Others Market Revenue and Forecast to 2030 (US$ Million)
Figure 35. SAM Industrial Robotics Market, by Key Country – Revenue (2022) (US$ Million)
Figure 36. SAM Industrial Robotics Market Breakdown, by Country, 2022 & 2030 (%)
Figure 37. Brazil Industrial Robotics Market, Revenue and Forecast to 2030 (US$ Million)
Figure 38. Argentina Industrial Robotics Market, Revenue and Forecast to 2030 (US$ Million)
Figure 39. Rest of SAM Industrial Robotics Market, Revenue and Forecast to 2030 (US$ Million)

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