



Global Humanoid Robot-Specific Chip Industry Growth and Trends Forecast to 2032

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Description

The global Humanoid Robot-Specific Chip market was valued at US\$ million in 2026 and is projected to reach US\$ million by 2032, implying a CAGR of xx% over 2026-2032.

The North America market for Humanoid Robot-Specific Chip is projected to increase from US\$ million in 2026 to US\$ million by 2032, corresponding to a CAGR of % over 2026-2032.

The Europe market for Humanoid Robot-Specific Chip is projected to increase from US\$ million in 2026 to US\$ million by 2032, registering a CAGR of % over 2026-2032.

The Asia Pacific market for Humanoid Robot-Specific Chip is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

Leading global manufacturers of Humanoid Robot-Specific Chip include NVIDIA, Intel, Qualcomm, Horizon Robotics, Baidu and Rockchip, among others. In 2025, the top three vendors together accounted for approximately % of global revenue.

Report Scope

This report provides a structured, data-driven view of the global Humanoid Robot-Specific Chip market, combining harmonized quantitative metrics with targeted qualitative insight to support business and growth strategy, market positioning, and capital allocation.

The Humanoid Robot-Specific Chip market size, estimates, and forecasts are presented in terms of sales volume (k units) and revenue (US\$ million), with 2025 as the base year and historical and forecast data for 2021-2032. The report segments the global Humanoid Robot-Specific Chip market by Type, Application, region/country, and company, provides regional market sizes at the segment level, profiles the competitive landscape and key players and their market ranks, and reviews technology trends and new product developments relevant to Humanoid Robot-Specific Chip.

Key Companies & Market Share Insights

This section analyzes the strategies and performance of leading manufacturers in the global Humanoid Robot-Specific Chip market, including portfolio focus, innovation and product development, mergers and acquisitions, collaborations, and geographic expansion used to sustain or enhance competitive positions. It also summarizes recent corporate developments and key financial indicators and provides global revenue, price, and sales volume data by manufacturer for 2020-2025, enabling benchmarking of scale, pricing, and market share and supporting assessment of market concentration through indicators such as CR5 and CR10.

Humanoid Robot-Specific Chip Market by Company

NVIDIA

Intel

Qualcomm

Horizon Robotics

Baidu

Rockchip

Humanoid Robot-Specific Chip Segment by Type

General-Purpose Chip

Semi-Customized Chip

Full-Customized Chip

Humanoid Robot-Specific Chip Segment by Application

Industrial Manufacturing

Medical

Extreme Environment Operation

Others

Humanoid Robot-Specific Chip Segment by Region

North America

United States

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Humanoid Robot-Specific Chip market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Humanoid Robot-Specific Chip and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Humanoid Robot-Specific Chip.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, South America, Middle East & Africa.

Chapter 2:

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3:

Detailed analysis of Humanoid Robot-Specific Chip manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Sales, revenue of Humanoid Robot-Specific Chip in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5:

Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, South America, Middle East & Africa.

Chapter 6:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, South America, Middle East & Africa, sales and revenue by country.

Chapter 12:

Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13:

Concluding Insights of the report.

Table of Contents

1 Market Overview

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Humanoid Robot-Specific Chip Market Size Estimates and Forecasts (2021-2032)
 - 1.2.2 Global Humanoid Robot-Specific Chip Sales Estimates and Forecasts (2021-2032)
- 1.3 Humanoid Robot-Specific Chip Market by Type
 - 1.3.1 General-Purpose Chip
 - 1.3.2 Semi-Customized Chip
 - 1.3.3 Full-Customized Chip
- 1.4 Global Humanoid Robot-Specific Chip Market Size by Type
 - 1.4.1 Global Humanoid Robot-Specific Chip Market Size Overview by Type (2021-2032)
 - 1.4.2 Global Humanoid Robot-Specific Chip Historic Market Size Review by Type (2021-2026)
 - 1.4.3 Global Humanoid Robot-Specific Chip Forecasted Market Size by Type (2027-2032)
- 1.5 Key Regions Market Size by Type
 - 1.5.1 North America Humanoid Robot-Specific Chip Sales Breakdown by Type (2021-2026)
 - 1.5.2 Europe Humanoid Robot-Specific Chip Sales Breakdown by Type (2021-2026)
 - 1.5.3 Asia-Pacific Humanoid Robot-Specific Chip Sales Breakdown by Type (2021-2026)
 - 1.5.4 South America Humanoid Robot-Specific Chip Sales Breakdown by Type (2021-2026)
 - 1.5.5 Middle East and Africa Humanoid Robot-Specific Chip Sales Breakdown by Type (2021-2026)

2 Global Market Dynamics

- 2.1 Humanoid Robot-Specific Chip Industry Trends
- 2.2 Humanoid Robot-Specific Chip Industry Drivers
- 2.3 Humanoid Robot-Specific Chip Industry Opportunities and Challenges
- 2.4 Humanoid Robot-Specific Chip Industry Restraints

3 Market Competitive Landscape by Company

- 3.1 Global Top Players by Humanoid Robot-Specific Chip Revenue (2021-2026)
- 3.2 Global Top Players by Humanoid Robot-Specific Chip Sales (2021-2026)
- 3.3 Global Top Players by Humanoid Robot-Specific Chip Price (2021-2026)
- 3.4 Global Humanoid Robot-Specific Chip Industry Company Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Humanoid Robot-Specific Chip Major Company Production Sites & Headquarters
- 3.6 Global Humanoid Robot-Specific Chip Company, Product Type & Application
- 3.7 Global Humanoid Robot-Specific Chip Company Establishment Date
- 3.8 Market Competitive Analysis
 - 3.8.1 Global Humanoid Robot-Specific Chip Market CR5 and HHI
 - 3.8.2 Global Top 5 and 10 Humanoid Robot-Specific Chip Players Market Share by Revenue in 2025
 - 3.8.3 2025 Humanoid Robot-Specific Chip Tier 1, Tier 2, and Tier 3

4 Humanoid Robot-Specific Chip Regional Status and Outlook

- 4.1 Global Humanoid Robot-Specific Chip Market Size and CAGR by Region: 2021 VS 2025 VS 2032
- 4.2 Global Humanoid Robot-Specific Chip Historic Market Size by Region
 - 4.2.1 Global Humanoid Robot-Specific Chip Sales in Volume by Region (2021-2026)
 - 4.2.2 Global Humanoid Robot-Specific Chip Sales in Value by Region (2021-2026)
 - 4.2.3 Global Humanoid Robot-Specific Chip Sales (Volume & Value), Price and Gross Margin (2021-2026)

- 4.3 Global Humanoid Robot-Specific Chip Forecasted Market Size by Region
 - 4.3.1 Global Humanoid Robot-Specific Chip Sales in Volume by Region (2027-2032)
 - 4.3.2 Global Humanoid Robot-Specific Chip Sales in Value by Region (2027-2032)
 - 4.3.3 Global Humanoid Robot-Specific Chip Sales (Volume & Value), Price and Gross Margin (2027-2032)

5 Humanoid Robot-Specific Chip by Application

- 5.1 Humanoid Robot-Specific Chip Market by Application
 - 5.1.1 Industrial Manufacturing
 - 5.1.2 Medical
 - 5.1.3 Extreme Environment Operation
 - 5.1.4 Others
- 5.2 Global Humanoid Robot-Specific Chip Market Size by Application
 - 5.2.1 Global Humanoid Robot-Specific Chip Market Size Overview by Application (2021-2032)
 - 5.2.2 Global Humanoid Robot-Specific Chip Historic Market Size Review by Application (2021-2026)
 - 5.2.3 Global Humanoid Robot-Specific Chip Forecasted Market Size by Application (2027-2032)
- 5.3 Key Regions Market Size by Application
 - 5.3.1 North America Humanoid Robot-Specific Chip Sales Breakdown by Application (2021-2026)
 - 5.3.2 Europe Humanoid Robot-Specific Chip Sales Breakdown by Application (2021-2026)
 - 5.3.3 Asia-Pacific Humanoid Robot-Specific Chip Sales Breakdown by Application (2021-2026)
 - 5.3.4 South America Humanoid Robot-Specific Chip Sales Breakdown by Application (2021-2026)
 - 5.3.5 Middle East and Africa Humanoid Robot-Specific Chip Sales Breakdown by Application (2021-2026)

6 Company Profiles

- 6.1 NVIDIA
 - 6.1.1 NVIDIA Company Information
 - 6.1.2 NVIDIA Business Overview
 - 6.1.3 NVIDIA Humanoid Robot-Specific Chip Sales, Revenue and Gross Margin (2021-2026)
 - 6.1.4 NVIDIA Humanoid Robot-Specific Chip Product Portfolio
 - 6.1.5 NVIDIA Recent Developments
- 6.2 Intel
 - 6.2.1 Intel Company Information
 - 6.2.2 Intel Business Overview
 - 6.2.3 Intel Humanoid Robot-Specific Chip Sales, Revenue and Gross Margin (2021-2026)
 - 6.2.4 Intel Humanoid Robot-Specific Chip Product Portfolio
 - 6.2.5 Intel Recent Developments
- 6.3 Qualcomm
 - 6.3.1 Qualcomm Company Information
 - 6.3.2 Qualcomm Business Overview
 - 6.3.3 Qualcomm Humanoid Robot-Specific Chip Sales, Revenue and Gross Margin (2021-2026)
 - 6.3.4 Qualcomm Humanoid Robot-Specific Chip Product Portfolio
 - 6.3.5 Qualcomm Recent Developments
- 6.4 Horizon Robotics
 - 6.4.1 Horizon Robotics Company Information
 - 6.4.2 Horizon Robotics Business Overview
 - 6.4.3 Horizon Robotics Humanoid Robot-Specific Chip Sales, Revenue and Gross Margin (2021-2026)
 - 6.4.4 Horizon Robotics Humanoid Robot-Specific Chip Product Portfolio
 - 6.4.5 Horizon Robotics Recent Developments
- 6.5 Baidu
 - 6.5.1 Baidu Company Information

6.5.2 Baidu Business Overview

6.5.3 Baidu Humanoid Robot-Specific Chip Sales, Revenue and Gross Margin (2021-2026)

6.5.4 Baidu Humanoid Robot-Specific Chip Product Portfolio

6.5.5 Baidu Recent Developments

6.6 Rockchip

6.6.1 Rockchip Company Information

6.6.2 Rockchip Business Overview

6.6.3 Rockchip Humanoid Robot-Specific Chip Sales, Revenue and Gross Margin (2021-2026)

6.6.4 Rockchip Humanoid Robot-Specific Chip Product Portfolio

6.6.5 Rockchip Recent Developments

7 North America by Country

7.1 North America Humanoid Robot-Specific Chip Sales by Country

7.1.1 North America Humanoid Robot-Specific Chip Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

7.1.2 North America Humanoid Robot-Specific Chip Sales by Country (2021-2026)

7.1.3 North America Humanoid Robot-Specific Chip Sales Forecast by Country (2027-2032)

7.2 North America Humanoid Robot-Specific Chip Market Size by Country

7.2.1 North America Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

7.2.2 North America Humanoid Robot-Specific Chip Market Size by Country (2021-2026)

7.2.3 North America Humanoid Robot-Specific Chip Market Size Forecast by Country (2027-2032)

8 Europe by Country

8.1 Europe Humanoid Robot-Specific Chip Sales by Country

8.1.1 Europe Humanoid Robot-Specific Chip Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

8.1.2 Europe Humanoid Robot-Specific Chip Sales by Country (2021-2026)

8.1.3 Europe Humanoid Robot-Specific Chip Sales Forecast by Country (2027-2032)

8.2 Europe Humanoid Robot-Specific Chip Market Size by Country

8.2.1 Europe Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

8.2.2 Europe Humanoid Robot-Specific Chip Market Size by Country (2021-2026)

8.2.3 Europe Humanoid Robot-Specific Chip Market Size Forecast by Country (2027-2032)

9 Asia-Pacific by Country

9.1 Asia-Pacific Humanoid Robot-Specific Chip Sales by Country

9.1.1 Asia-Pacific Humanoid Robot-Specific Chip Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

9.1.2 Asia-Pacific Humanoid Robot-Specific Chip Sales by Country (2021-2026)

9.1.3 Asia-Pacific Humanoid Robot-Specific Chip Sales Forecast by Country (2027-2032)

9.2 Asia-Pacific Humanoid Robot-Specific Chip Market Size by Country

9.2.1 Asia-Pacific Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

9.2.2 Asia-Pacific Humanoid Robot-Specific Chip Market Size by Country (2021-2026)

9.2.3 Asia-Pacific Humanoid Robot-Specific Chip Market Size Forecast by Country (2027-2032)

10 South America by Country

10.1 South America Humanoid Robot-Specific Chip Sales by Country

10.1.1 South America Humanoid Robot-Specific Chip Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

10.1.2 South America Humanoid Robot-Specific Chip Sales by Country (2021-2026)

10.1.3 South America Humanoid Robot-Specific Chip Sales Forecast by Country (2027-2032)

10.2 South America Humanoid Robot-Specific Chip Market Size by Country

10.2.1 South America Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

10.2.2 South America Humanoid Robot-Specific Chip Market Size by Country (2021-2026)

10.2.3 South America Humanoid Robot-Specific Chip Market Size Forecast by Country (2027-2032)

11 Middle East and Africa by Country

11.1 Middle East and Africa Humanoid Robot-Specific Chip Sales by Country

11.1.1 Middle East and Africa Humanoid Robot-Specific Chip Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

11.1.2 Middle East and Africa Humanoid Robot-Specific Chip Sales by Country (2021-2026)

11.1.3 Middle East and Africa Humanoid Robot-Specific Chip Sales Forecast by Country (2027-2032)

11.2 Middle East and Africa Humanoid Robot-Specific Chip Market Size by Country

11.2.1 Middle East and Africa Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

11.2.2 Middle East and Africa Humanoid Robot-Specific Chip Market Size by Country (2021-2026)

11.2.3 Middle East and Africa Humanoid Robot-Specific Chip Market Size Forecast by Country (2027-2032)

12 Value Chain and Sales Channels Analysis

12.1 Humanoid Robot-Specific Chip Value Chain Analysis

12.1.1 Humanoid Robot-Specific Chip Key Raw Materials

12.1.2 Key Raw Materials Price

12.1.3 Raw Materials Key Suppliers

12.1.4 Manufacturing Cost Structure

12.1.5 Humanoid Robot-Specific Chip Production Mode & Process

12.2 Humanoid Robot-Specific Chip Sales Channels Analysis

12.2.1 Direct Comparison with Distribution Share

12.2.2 Humanoid Robot-Specific Chip Distributors

12.2.3 Humanoid Robot-Specific Chip Customers

13 Concluding Insights

14 Appendix

14.1 Reasons for Doing This Study

14.2 Research Methodology

14.3 Research Process

14.4 Authors List of This Report

14.5 Data Source

14.5.1 Secondary Sources

14.5.2 Primary Sources

14.6 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Major Company of General-Purpose Chip
- Table 2: Major Company of Semi-Customized Chip
- Table 3: Major Company of Full-Customized Chip
- Table 4: Global Humanoid Robot-Specific Chip Sales by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (k units)
- Table 6: Global Humanoid Robot-Specific Chip Sales Market Share in Volume by Type (2021-2026)
- Table 7: Global Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (US\$ Million)
- Table 8: Global Humanoid Robot-Specific Chip Sales Market Share in Value by Type (2021-2026)
- Table 9: Global Humanoid Robot-Specific Chip Price by Type (2021-2026) & (USD/unit)
- Table 10: Global Humanoid Robot-Specific Chip Sales by Type (2027-2032) & (k units)
- Table 11: Global Humanoid Robot-Specific Chip Sales Market Share in Volume by Type (2027-2032)
- Table 12: Global Humanoid Robot-Specific Chip Sales by Type (2027-2032) & (US\$ Million)
- Table 13: Global Humanoid Robot-Specific Chip Sales Market Share in Value by Type (2027-2032)
- Table 14: Global Humanoid Robot-Specific Chip Price by Type (2027-2032) & (USD/unit)
- Table 15: North America Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (k units)
- Table 16: North America Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (US\$ Million)
- Table 17: Europe Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (k units)
- Table 18: Europe Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (US\$ Million)
- Table 19: Asia-Pacific Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (k units)
- Table 20: Asia-Pacific Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (US\$ Million)
- Table 21: Latin America Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (k units)
- Table 22: Latin America Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (US\$ Million)
- Table 23: Middle East and Africa Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (k units)
- Table 24: Middle East and Africa Humanoid Robot-Specific Chip Sales by Type (2021-2026) & (US\$ Million)
- Table 25: Humanoid Robot-Specific Chip Industry Trends
- Table 26: Humanoid Robot-Specific Chip Industry Drivers
- Table 27: Humanoid Robot-Specific Chip Industry Opportunities and Challenges
- Table 28: Humanoid Robot-Specific Chip Industry Restraints
- Table 29: Global Humanoid Robot-Specific Chip Sales Revenue by Company (US\$ Million) & (2021-2026)
- Table 30: Global Humanoid Robot-Specific Chip Revenue Market Share by Company (2021-2026)
- Table 31: Global Humanoid Robot-Specific Chip Sales by Company (2021-2026) & (k units)
- Table 32: Global Humanoid Robot-Specific Chip Sales Share by Company (2021-2026)
- Table 33: Global Humanoid Robot-Specific Chip Market Price by Company (2021-2026) & (USD/unit)
- Table 34: Global Humanoid Robot-Specific Chip Industry Company Ranking, 2024 VS 2025 VS 2026
- Table 35: Global Humanoid Robot-Specific Chip Major Company Production Sites and Headquarters
- Table 36: Global Humanoid Robot-Specific Chip Company, Product Type & Application
- Table 37: Global Humanoid Robot-Specific Chip Company Establishment Date
- Table 38: Global Company Market Concentration Ratio (CR5 and HHI)
- Table 39: Global Humanoid Robot-Specific Chip by Company Type (Tier 1, Tier 2, and Tier 3) & (Based on the Revenue of 2025)
- Table 40: Global Humanoid Robot-Specific Chip Market Size Comparison by Region (US\$ Million): 2021 VS 2025 VS 2032
- Table 41: Global Humanoid Robot-Specific Chip Sales by Region (2021-2026) & (k units)
- Table 42: Global Humanoid Robot-Specific Chip Sales Market Share in Volume by Region (2021-2026)
- Table 43: Global Humanoid Robot-Specific Chip Sales by Region (2021-2026) & (US\$ Million)
- Table 44: Global Humanoid Robot-Specific Chip Sales Market Share in Value by Region (2021-2026)
- Table 45: Global Humanoid Robot-Specific Chip Sales (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 46: Global Humanoid Robot-Specific Chip Sales by Region (2027-2032) & (k units)
- Table 47: Global Humanoid Robot-Specific Chip Sales Market Share in Volume by Region (2027-2032)
- Table 48: Global Humanoid Robot-Specific Chip Sales by Region (2027-2032) & (US\$ Million)
- Table 49: Global Humanoid Robot-Specific Chip Sales Market Share in Value by Region (2027-2032)
- Table 50: Global Humanoid Robot-Specific Chip Sales (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2027-2032)
- Table 51: Global Humanoid Robot-Specific Chip Sales by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 52: Global Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (k units)

- Table 53: Global Humanoid Robot-Specific Chip Sales Market Share in Volume by Application (2021-2026)
- Table 54: Global Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (US\$ Million)
- Table 55: Global Humanoid Robot-Specific Chip Sales Market Share in Value by Application (2021-2026)
- Table 56: Global Humanoid Robot-Specific Chip Price by Application (2021-2026) & (USD/unit)
- Table 57: Global Humanoid Robot-Specific Chip Sales by Application (2027-2032) & (k units)
- Table 58: Global Humanoid Robot-Specific Chip Sales Market Share in Volume by Application (2027-2032)
- Table 59: Global Humanoid Robot-Specific Chip Sales by Application (2027-2032) & (US\$ Million)
- Table 60: Global Humanoid Robot-Specific Chip Sales Market Share in Value by Application (2027-2032)
- Table 61: Global Humanoid Robot-Specific Chip Price by Application (2027-2032) & (USD/unit)
- Table 62: North America Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (k units)
- Table 63: North America Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (US\$ Million)
- Table 64: Europe Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (k units)
- Table 65: Europe Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (US\$ Million)
- Table 66: Asia-Pacific Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (k units)
- Table 67: Asia-Pacific Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (US\$ Million)
- Table 68: Latin America Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (k units)
- Table 69: Latin America Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (US\$ Million)
- Table 70: Middle East and Africa Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (k units)
- Table 71: Middle East and Africa Humanoid Robot-Specific Chip Sales by Application (2021-2026) & (US\$ Million)
- Table 72: NVIDIA Company Information
- Table 73: NVIDIA Business Overview
- Table 74: NVIDIA Humanoid Robot-Specific Chip Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 75: NVIDIA Humanoid Robot-Specific Chip Product Portfolio
- Table 76: NVIDIA Recent Development
- Table 77: Intel Company Information
- Table 78: Intel Business Overview
- Table 79: Intel Humanoid Robot-Specific Chip Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 80: Intel Humanoid Robot-Specific Chip Product Portfolio
- Table 81: Intel Recent Development
- Table 82: Qualcomm Company Information
- Table 83: Qualcomm Business Overview
- Table 84: Qualcomm Humanoid Robot-Specific Chip Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 85: Qualcomm Humanoid Robot-Specific Chip Product Portfolio
- Table 86: Qualcomm Recent Development
- Table 87: Horizon Robotics Company Information
- Table 88: Horizon Robotics Business Overview
- Table 89: Horizon Robotics Humanoid Robot-Specific Chip Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 90: Horizon Robotics Humanoid Robot-Specific Chip Product Portfolio
- Table 91: Horizon Robotics Recent Development
- Table 92: Baidu Company Information
- Table 93: Baidu Business Overview
- Table 94: Baidu Humanoid Robot-Specific Chip Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 95: Baidu Humanoid Robot-Specific Chip Product Portfolio
- Table 96: Baidu Recent Development
- Table 97: Rockchip Company Information
- Table 98: Rockchip Business Overview
- Table 99: Rockchip Humanoid Robot-Specific Chip Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 100: Rockchip Humanoid Robot-Specific Chip Product Portfolio
- Table 101: Rockchip Recent Development
- Table 102: North America Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 103: North America Humanoid Robot-Specific Chip Sales by Country (2021-2026) & (k units)
- Table 104: North America Humanoid Robot-Specific Chip Sales Market Share by Country (2021-2026)
- Table 105: North America Humanoid Robot-Specific Chip Sales Forecast by Country (2027-2032) & (k units)
- Table 106: North America Humanoid Robot-Specific Chip Sales Market Share Forecast by Country (2027-2032)
- Table 107: North America Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 108: North America Humanoid Robot-Specific Chip Market Size by Country (2021-2026) & (US\$ Million)
- Table 109: North America Humanoid Robot-Specific Chip Market Share by Country (2021-2026)

- Table 110: North America Humanoid Robot-Specific Chip Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 111: North America Humanoid Robot-Specific Chip Market Share Forecast by Country (2027-2032)
- Table 112: Europe Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 113: Europe Humanoid Robot-Specific Chip Sales by Country (2021-2026) & (k units)
- Table 114: Europe Humanoid Robot-Specific Chip Sales Market Share by Country (2021-2026)
- Table 115: Europe Humanoid Robot-Specific Chip Sales Forecast by Country (2027-2032) & (k units)
- Table 116: Europe Humanoid Robot-Specific Chip Sales Market Share Forecast by Country (2027-2032)
- Table 117: Europe Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 118: Europe Humanoid Robot-Specific Chip Market Size by Country (2021-2026) & (US\$ Million)
- Table 119: Europe Humanoid Robot-Specific Chip Market Share by Country (2021-2026)
- Table 120: Europe Humanoid Robot-Specific Chip Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 121: Europe Humanoid Robot-Specific Chip Market Share Forecast by Country (2027-2032)
- Table 122: Asia-Pacific Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 123: Asia-Pacific Humanoid Robot-Specific Chip Sales by Country (2021-2026) & (k units)
- Table 124: Asia-Pacific Humanoid Robot-Specific Chip Sales Market Share by Country (2021-2026)
- Table 125: Asia-Pacific Humanoid Robot-Specific Chip Sales Forecast by Country (2027-2032) & (k units)
- Table 126: Asia-Pacific Humanoid Robot-Specific Chip Sales Market Share Forecast by Country (2027-2032)
- Table 127: Asia-Pacific Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 128: Asia-Pacific Humanoid Robot-Specific Chip Market Size by Country (2021-2026) & (US\$ Million)
- Table 129: Asia-Pacific Humanoid Robot-Specific Chip Market Share by Country (2021-2026)
- Table 130: Asia-Pacific Humanoid Robot-Specific Chip Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 131: Asia-Pacific Humanoid Robot-Specific Chip Market Share Forecast by Country (2027-2032)
- Table 132: Latin America Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 133: Latin America Humanoid Robot-Specific Chip Sales by Country (2021-2026) & (k units)
- Table 134: Latin America Humanoid Robot-Specific Chip Sales Market Share by Country (2021-2026)
- Table 135: Latin America Humanoid Robot-Specific Chip Sales Forecast by Country (2027-2032) & (k units)
- Table 136: Latin America Humanoid Robot-Specific Chip Sales Market Share Forecast by Country (2027-2032)
- Table 137: Latin America Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 138: Latin America Humanoid Robot-Specific Chip Market Size by Country (2021-2026) & (US\$ Million)
- Table 139: Latin America Humanoid Robot-Specific Chip Market Share by Country (2021-2026)
- Table 140: Latin America Humanoid Robot-Specific Chip Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 141: Latin America Humanoid Robot-Specific Chip Market Share Forecast by Country (2027-2032)
- Table 142: Middle East and Africa Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 143: Middle East and Africa Humanoid Robot-Specific Chip Sales by Country (2021-2026) & (k units)
- Table 144: Middle East and Africa Humanoid Robot-Specific Chip Sales Market Share by Country (2021-2026)
- Table 145: Middle East and Africa Humanoid Robot-Specific Chip Sales Forecast by Country (2027-2032) & (k units)
- Table 146: Middle East and Africa Humanoid Robot-Specific Chip Sales Market Share Forecast by Country (2027-2032)
- Table 147: Middle East and Africa Humanoid Robot-Specific Chip Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 148: Middle East and Africa Humanoid Robot-Specific Chip Market Size by Country (2021-2026) & (US\$ Million)
- Table 149: Middle East and Africa Humanoid Robot-Specific Chip Market Share by Country (2021-2026)
- Table 150: Middle East and Africa Humanoid Robot-Specific Chip Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 151: Middle East and Africa Humanoid Robot-Specific Chip Market Share Forecast by Country (2027-2032)
- Table 152: Key Raw Materials
- Table 153: Raw Materials Key Suppliers
- Table 154: Humanoid Robot-Specific Chip Distributors List
- Table 155: Humanoid Robot-Specific Chip Customers List
- Table 156: Research Programs/Design for This Report
- Table 157: Authors List of This Report
- Table 158: Secondary Sources
- Table 159: Primary Sources

List of Figures:

- Figure 1: Humanoid Robot-Specific Chip Image
- Figure 2: Global Humanoid Robot-Specific Chip Market Size (US\$ Million), 2021 VS 2025 VS 2032

- Figure 3: Global Humanoid Robot-Specific Chip Market Size (2021-2032) & (US\$ Million)
- Figure 4: Global Humanoid Robot-Specific Chip Sales (2021-2032) & (k units)
- Figure 5: General-Purpose Chip Image
- Figure 6: Global General-Purpose Chip Sales YoY Growth (2021-2032) & (k units)
- Figure 7: Semi-Customized Chip Image
- Figure 8: Global Semi-Customized Chip Sales YoY Growth (2021-2032) & (k units)
- Figure 9: Full-Customized Chip Image
- Figure 10: Global Full-Customized Chip Sales YoY Growth (2021-2032) & (k units)
- Figure 11: Global Humanoid Robot-Specific Chip Market Size Overview by Type (2021-2032) & (US\$ Million)
- Figure 12: Global Humanoid Robot-Specific Chip Market Share by Type 2025 VS 2032
- Figure 13: North America Humanoid Robot-Specific Chip Sales Market Share in Volume by Type in 2025
- Figure 14: North America Humanoid Robot-Specific Chip Sales Market Share in Value by Type in 2025
- Figure 15: Europe Humanoid Robot-Specific Chip Sales Market Share in Volume by Type in 2025
- Figure 16: Europe Humanoid Robot-Specific Chip Sales Market Share in Value by Type in 2025
- Figure 17: Asia-Pacific Humanoid Robot-Specific Chip Sales Market Share in Volume by Type in 2025
- Figure 18: Asia-Pacific Humanoid Robot-Specific Chip Sales Market Share in Value by Type in 2025
- Figure 19: Latin America Humanoid Robot-Specific Chip Sales Market Share in Volume by Type in 2025
- Figure 20: Latin America Humanoid Robot-Specific Chip Sales Market Share in Value by Type in 2025
- Figure 21: Middle East and Africa Humanoid Robot-Specific Chip Sales Market Share in Volume by Type in 2025
- Figure 22: Middle East and Africa Humanoid Robot-Specific Chip Sales Market Share in Value by Type in 2025
- Figure 23: Global Top 5 and 10 Humanoid Robot-Specific Chip Players Market Share by Revenue in 2025
- Figure 24: Company Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 25: Industrial Manufacturing Image
- Figure 26: Global Industrial Manufacturing Sales YoY Growth (2021-2032) & (k units)
- Figure 27: Medical Image
- Figure 28: Global Medical Sales YoY Growth (2021-2032) & (k units)
- Figure 29: Extreme Environment Operation Image
- Figure 30: Global Extreme Environment Operation Sales YoY Growth (2021-2032) & (k units)
- Figure 31: Others Image
- Figure 32: Global Others Sales YoY Growth (2021-2032) & (k units)
- Figure 33: Global Humanoid Robot-Specific Chip Market Size Overview by Application (2021-2032) & (US\$ Million)
- Figure 34: Global Humanoid Robot-Specific Chip Market Share by Application 2025 VS 2032
- Figure 35: North America Humanoid Robot-Specific Chip Sales Market Share in Volume by Application in 2025
- Figure 36: North America Humanoid Robot-Specific Chip Sales Market Share in Value by Application in 2025
- Figure 37: Europe Humanoid Robot-Specific Chip Sales Market Share in Volume by Application in 2025
- Figure 38: Europe Humanoid Robot-Specific Chip Sales Market Share in Value by Application in 2025
- Figure 39: Asia-Pacific Humanoid Robot-Specific Chip Sales Market Share in Volume by Application in 2025
- Figure 40: Asia-Pacific Humanoid Robot-Specific Chip Sales Market Share in Value by Application in 2025
- Figure 41: Latin America Humanoid Robot-Specific Chip Sales Market Share in Volume by Application in 2025
- Figure 42: Latin America Humanoid Robot-Specific Chip Sales Market Share in Value by Application in 2025
- Figure 43: Middle East and Africa Humanoid Robot-Specific Chip Sales Market Share in Volume by Application in 2025
- Figure 44: Middle East and Africa Humanoid Robot-Specific Chip Sales Market Share in Value by Application in 2025
- Figure 45: North America Humanoid Robot-Specific Chip Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 46: North America Humanoid Robot-Specific Chip Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 47: North America Humanoid Robot-Specific Chip Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 48: North America Humanoid Robot-Specific Chip Market Share by Country: 2021 VS 2025 VS 2032
- Figure 49: Europe Humanoid Robot-Specific Chip Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 50: Europe Humanoid Robot-Specific Chip Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 51: Europe Humanoid Robot-Specific Chip Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 52: Europe Humanoid Robot-Specific Chip Market Share by Country: 2021 VS 2025 VS 2032
- Figure 53: Asia-Pacific Humanoid Robot-Specific Chip Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 54: Asia-Pacific Humanoid Robot-Specific Chip Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 55: Asia-Pacific Humanoid Robot-Specific Chip Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 56: Asia-Pacific Humanoid Robot-Specific Chip Market Share by Country: 2021 VS 2025 VS 2032
- Figure 57: Latin America Humanoid Robot-Specific Chip Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 58: Latin America Humanoid Robot-Specific Chip Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 59: Latin America Humanoid Robot-Specific Chip Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 60: Latin America Humanoid Robot-Specific Chip Market Share by Country: 2021 VS 2025 VS 2032
- Figure 61: Middle East and Africa Humanoid Robot-Specific Chip Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 62: Middle East and Africa Humanoid Robot-Specific Chip Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 63: Middle East and Africa Humanoid Robot-Specific Chip Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 64: Middle East and Africa Humanoid Robot-Specific Chip Market Share by Country: 2021 VS 2025 VS 2032
- Figure 65: Humanoid Robot-Specific Chip Value Chain
- Figure 66: Key Raw Materials Price

- Figure 67: Manufacturing Cost Structure
- Figure 68: Humanoid Robot-Specific Chip Production Mode & Process
- Figure 69: Direct Comparison with Distribution Share
- Figure 70: Distributors Profiles
- Figure 71: Years Considered
- Figure 72: Research Process
- Figure 73: Key Executives Interviewed