

# Humanoid Robot - Company Evaluation Report, 2025

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## Abstracts

The Humanoid Robot Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Humanoid Robot. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 100 companies, of which the Top 23 Humanoid Robot Companies were categorized and recognized as quadrant leaders.

Robots have long been employed in manufacturing and industrial environments for tasks like assembly, welding, painting, packaging, and pick-and-place operations. Today, humanoid robots are increasingly utilized in a diverse array of fields, including education, entertainment, space exploration, personal assistance, caregiving, search and rescue, and public relations. These robots can autonomously perform a wide variety of tasks, particularly in specialized applications, and provide valuable assistance with many day-to-day human activities. They are also designed for applications such as cleaning, inspection, maintenance, and surveillance. Growing demand across multiple sectors is being driven by their innovative capabilities and the trend of declining prices.

A humanoid robot is designed to resemble and mimic the structure and behavior of the human body. Typically featuring a torso, head, two arms, and two legs, some humanoid robots are built to replicate only specific human body parts depending on their intended use. These complex machines integrate advanced hardware, sophisticated software, and state-of-the-art technologies, enabling them to perform a range of tasks in diverse environments—including deep-sea exploration, scientific research, intricate medical surgeries, and household chores. Their human-like appearance and behaviors make them well-suited for operating in human-designed spaces, enhancing their adaptability for tasks that involve direct interaction with people or navigation through environments built for human use.

The 360 Quadrant maps the Humanoid Robot companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Humanoid Robot quadrant. The top criteria for product footprint evaluation included By TYPE (Biped, Wheel Drive), By OFFERING (Hardware, Software, Services), and By APPLICATION (Education & Entertainment, Research & Space Exploration, Personal Assistance & Caregiving, Search & Rescue, Public Relations, Manufacturing, Other Applications).

## Key Players

Key players in the Humanoid Robot market include major global corporations and specialized innovators such as Softbank Robotics Group, Robotis, Ubtech Robotics Corp Ltd., Pal Robotics, Agility Robotics, Kawada Robotics Corporation, Toyota Motor Corporation, Honda Motor Co., Ltd., Hanson Robotics Ltd., Hyulim Robot, Samsung, Tesla, National Aeronautics And Space, Administration, Istituto Italiano Di Tecnologia, Robotics Lab, Hajime Research Institute, Ltd., Boston Dynamics, Advanced Telecommunications Research, Institute International, Aptronik, Figure, Karlsruhe Institute Of Technology, 1x Technologies, and Limx Dynamics Inc.. These companies are actively investing in research and development, forming strategic partnerships, and engaging in collaborative initiatives to drive innovation, expand their global footprint, and maintain a competitive edge in this rapidly evolving market.

## Top 3 Companies

### SoftBank Robotics Group

SoftBank Robotics Group remains a prominent force in the humanoid robotics market, primarily manufacturing and offering biped humanoid robots. Their flagship product, Pepper, is extensively used across various sectors including banking, hospitality, healthcare, and education. This broad application range highlights the company's comprehensive product portfolio and strong market positioning. SoftBank is keen on leveraging AI and other advanced technologies like 5G to enhance their offerings. This focus on innovation, combined with strategic partnerships, strengthens its market presence dramatically.

### ROBOTIS Inc.

ROBOTIS Inc. is noted for its robust R&D capabilities and diverse product portfolio which includes the renowned DYNAMIXEL brand for robotic hardware. They provide solutions for educational and industrial purposes, highlighting their extensive market integration. With a focus on smart servos and educational robot kits, ROBOTIS is

advancing its capabilities in both the competitive market segments of education and industrial automation. Their global presence is supported by a strategic product distribution across North America and Asia Pacific, positioning ROBOTIS as a key player in the humanoid robot space.

UBTECH Robotics Corp. Ltd.

UBTECH Robotics has established itself as a leader in AI robotics by developing sophisticated motion planning and control systems. The company's flagship humanoid robots, such as Walker and Panda series, reflect their high-tech product lineup and innovative design prowess. UBTECH's market presence is bolstered by successful funding rounds, allowing them to expand their product offerings and strengthen their global market share. Their strategic focus on AI and motion technology propels their growth in the humanoid robot market, especially in high-demand regions like Asia Pacific.

## Contents

### 1 INTRODUCTION

#### 1.1 MARKET DEFINITION

#### 1.2 STAKEHOLDERS

### 2 EXECUTIVE SUMMARY

### 3 MARKET OVERVIEW

#### 3.1 INTRODUCTION

#### 3.2 MARKET DYNAMICS

##### 3.2.1 DRIVERS

3.2.1.1 Advancements in artificial intelligence and machine learning

3.2.1.2 Constant focus on developing humanoid robots with advanced features

3.2.1.3 Increasing use of humanoids in education sector

3.2.1.4 Surging deployment of humanoid robots in retail stores

3.2.1.5 Rising demand for humanoid robots from healthcare sector

##### 3.2.2 RESTRAINTS

3.2.2.1 Requirement for significant capital investment and extensive R&D expenditure in humanoid robots

3.2.2.2 Performance limitations of humanoid robots in untested environments

##### 3.2.3 OPPORTUNITIES

3.2.3.1 Rapidly growing elderly population worldwide

3.2.3.2 Rising demand for humanoid robots from logistics sector

3.2.3.3 Increasing adoption of humanoid robots in search and rescue operations

##### 3.2.4 CHALLENGES

3.2.4.1 Safety concerns limiting adoption of humanoid robots

3.2.4.2 Limited awareness about advantages of humanoid robots

#### 3.3 VALUE CHAIN ANALYSIS

#### 3.4 ECOSYSTEM ANALYSIS

#### 3.5 PORTER'S FIVE FORCES ANALYSIS

##### 3.5.1 THREAT OF NEW ENTRANTS

##### 3.5.2 BARGAINING POWER OF SUPPLIERS

##### 3.5.3 BARGAINING POWER OF BUYERS

##### 3.5.4 THREAT OF SUBSTITUTES

##### 3.5.5 INTENSITY OF COMPETITIVE RIVALRY

#### 3.6 PATENT ANALYSIS

- 3.7 KEY CONFERENCES AND EVENTS, 2025–2026
- 3.8 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS
- 3.9 TECHNOLOGY ANALYSIS
  - 3.9.1 KEY TECHNOLOGIES
    - 3.9.1.1 Artificial intelligence and machine learning
    - 3.9.1.2 Sensors and actuators
    - 3.9.1.3 Natural language processing
  - 3.9.2 COMPLEMENTARY TECHNOLOGIES
    - 3.9.2.1 Cloud computing
    - 3.9.2.2 Edge computing
  - 3.9.3 ADJACENT TECHNOLOGIES
    - 3.9.3.1 5G technology and industrial automation
    - 3.9.3.2 Internet of Things (IoT)
- 3.10 IMPACT OF AI/GEN AI ON HUMANOID ROBOT MARKET
  - 3.10.1 KEY AI USE CASES IN HUMANOID ROBOT MARKET
  - 3.10.2 AI INTEGRATION BY HUMANOID ROBOT MANUFACTURERS FOR DIFFERENT USE CASES
  - 3.10.3 INTERCONNECT ADJACENT ECOSYSTEM
    - 3.10.3.1 Impact on service robotics market
- 3.11 IMPACT OF 2025 US TARIFF-HUMANOID ROBOT MARKET
  - 3.11.1 CHALLENGES OF TRUMP'S TARIFFS ON HUMANOID ROBOT MARKET
  - 3.11.2 OPPORTUNITIES AMID TRUMP'S TARIFFS IN HUMANOID ROBOT MARKET
  - 3.11.3 STRATEGIC PARTNERSHIPS & GOVERNMENT SUPPORT

## **4 COMPETITIVE LANDSCAPE**

- 4.1 INTRODUCTION
- 4.2 STRATEGIES ADOPTED BY KEY PLAYERS, 2021–2024
- 4.3 REVENUE ANALYSIS OF KEY PLAYERS, 2021–2023
- 4.4 MARKET SHARE ANALYSIS OF KEY PLAYERS, 2024
- 4.5 COMPANY VALUATION AND FINANCIAL METRICS
- 4.6 BRAND/PRODUCT COMPARISON
- 4.7 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024
  - 4.7.1 STARS
  - 4.7.2 EMERGING LEADERS
  - 4.7.3 PERVASIVE PLAYERS
  - 4.7.4 PARTICIPANTS
  - 4.7.5 COMPANY FOOTPRINT: KEY PLAYERS, 2024

- 4.7.5.1 Company footprint
- 4.7.5.2 Type footprint
- 4.7.5.3 Offering footprint
- 4.7.5.4 Application footprint
- 4.7.5.5 Region footprint
- 4.8 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024
  - 4.8.1 PROGRESSIVE COMPANIES
  - 4.8.2 RESPONSIVE COMPANIES
  - 4.8.3 DYNAMIC COMPANIES
  - 4.8.4 STARTING BLOCKS
  - 4.8.5 COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024
    - 4.8.5.1 Detailed list of key startups/SMES
    - 4.8.5.2 Competitive benchmarking of key startups/SMEs
- 4.9 COMPETITIVE SCENARIOS
  - 4.9.1 PRODUCT LAUNCHES
  - 4.9.2 DEALS
  - 4.9.3 EXPANSIONS

## **5 COMPANY PROFILES**

- 5.1 KEY PLAYERS
  - 5.1.1 SOFTBANK ROBOTICS GROUP
    - 5.1.1.1 Business overview
    - 5.1.1.2 Products/Solutions/Services offered
    - 5.1.1.3 Recent developments
      - 5.1.1.3.1 Product launches
      - 5.1.1.3.2 Deals
    - 5.1.1.4 MnM view
      - 5.1.1.4.1 Key strengths/Right to win
      - 5.1.1.4.2 Strategic choices
      - 5.1.1.4.3 Weaknesses/Competitive threats
  - 5.1.2 ROBOTIS
    - 5.1.2.1 Business overview
    - 5.1.2.2 Products/Solutions/Services offered
    - 5.1.2.3 Recent developments
      - 5.1.2.3.1 Product launches
    - 5.1.2.4 Recent developments
      - 5.1.2.4.1 Deals
    - 5.1.2.5 MnM view

- 5.1.2.5.1 Key strengths/Right to win
- 5.1.2.5.2 Strategic choices
- 5.1.2.5.3 Weaknesses/Competitive threats
- 5.1.3 UBTECH ROBOTICS CORP LTD.
  - 5.1.3.1 Business overview
  - 5.1.3.2 Products/Solutions/Services offered
  - 5.1.3.3 Recent developments
    - 5.1.3.3.1 Deals
  - 5.1.3.4 MnM view
    - 5.1.3.4.1 Key strengths/Right to win
    - 5.1.3.4.2 Strategic choices
    - 5.1.3.4.3 Weaknesses/Competitive threats
- 5.1.4 PAL ROBOTICS
  - 5.1.4.1 Business overview
  - 5.1.4.2 Products/Solutions/Services offered
  - 5.1.4.3 Recent developments
    - 5.1.4.3.1 Deals
  - 5.1.4.4 MnM view
    - 5.1.4.4.1 Key strengths/Right to win
    - 5.1.4.4.2 Strategic choices
    - 5.1.4.4.3 Weaknesses/Competitive threats
- 5.1.5 AGILITY ROBOTICS
  - 5.1.5.1 Business overview
  - 5.1.5.2 Products/Solutions/Services offered
  - 5.1.5.3 Recent developments
    - 5.1.5.3.1 Product launches
    - 5.1.5.3.2 Deals
    - 5.1.5.3.3 Expansions
  - 5.1.5.4 Recent developments
    - 5.1.5.4.1 Others
  - 5.1.5.5 MnM view
    - 5.1.5.5.1 Key strengths/Right to win
    - 5.1.5.5.2 Strategic choices
    - 5.1.5.5.3 Weaknesses/Competitive threats
- 5.1.6 KAWADA ROBOTICS CORPORATION
  - 5.1.6.1 Business overview
  - 5.1.6.2 Products/Solutions/Services offered
  - 5.1.6.3 Recent developments
    - 5.1.6.3.1 Product launches

5.1.6.3.2 Deals

5.1.7 TOYOTA MOTOR CORPORATION

5.1.7.1 Business overview

5.1.7.2 Products/Solutions/Services offered

5.1.7.2.1 Deals

5.1.8 HONDA MOTOR CO., LTD.

5.1.8.1 Business overview

5.1.8.2 Products/Solutions/Services offered

5.1.9 HANSON ROBOTICS LTD.

5.1.9.1 Business overview

5.1.9.2 Products/Solutions/Services offered

5.1.9.3 Recent developments

5.1.9.3.1 Deals

5.1.10 HYULIM ROBOT

5.1.10.1 Business overview

5.1.10.2 Products/Solutions/Services offered

5.1.11 SAMSUNG

5.1.11.1 Business overview

5.1.11.2 Products/Solutions/Services offered

5.1.11.3 Recent developments

5.1.11.3.1 Deals

5.1.12 TESLA

5.1.12.1 Business overview

5.1.12.2 Products/Solutions/Services offered

5.2 OTHER PLAYERS

5.2.1 ENGINEERED ARTS LIMITED

5.2.2 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

5.2.3 ROBO GARAGE CO., LTD.

5.2.4 ISTITUTO ITALIANO DI TECNOLOGIA

5.2.5 ROBOTICS LAB

5.2.6 HAJIME RESEARCH INSTITUTE, LTD.

5.2.7 PROMOBOT CORP.

5.2.8 EZ-ROBOT

5.2.9 MACCO ROBOTICS

5.2.10 BOSTON DYNAMICS

5.2.11 ADVANCED TELECOMMUNICATIONS RESEARCH INSTITUTE

INTERNATIONAL

5.2.12 WOWWEE GROUP LIMITED

5.2.13 APPTRONIK

- 5.2.14 SANBOT INNOVATION TECHNOLOGY., LTD
- 5.2.15 FIGURE
- 5.2.16 KARLSRUHE INSTITUTE OF TECHNOLOGY
- 5.2.17 BEYOND IMAGINATION
- 5.2.18 1X TECHNOLOGIES
- 5.2.19 LIMX DYNAMICS INC.

## **6 APPENDIX**

- 6.1 RESEARCH METHODOLOGY
  - 6.1.1 RESEARCH DATA
  - 6.1.2 SECONDARY AND PRIMARY RESEARCH
    - 6.1.2.1 Secondary data
    - 6.1.2.2 Primary data
  - 6.1.3 RESEARCH ASSUMPTIONS
  - 6.1.4 RESEARCH LIMITATIONS
  - 6.1.5 RISK ASSESSMENT
- 6.2 COMPANY EVALUATION MATRIX: METHODOLOGY
- 6.3 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

TABLE 1 ROLE OF KEY PLAYERS IN HUMANOID ROBOT ECOSYSTEM

TABLE 2 HUMANOID ROBOT MARKET: PORTER'S FIVE FORCES ANALYSIS

TABLE 3 PATENT REGISTRATIONS, 2020–2023

TABLE 4 HUMANOID ROBOT MARKET: KEY CONFERENCES AND EVENTS, 2025–2026

TABLE 5 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN HUMANOID ROBOT MARKET

TABLE 6 HUMANOID ROBOT MARKET: DEGREE OF COMPETITION

TABLE 7 HUMANOID ROBOT MARKET: TYPE FOOTPRINT

TABLE 8 HUMANOID ROBOT MARKET: OFFERING FOOTPRINT

TABLE 9 HUMANOID ROBOT MARKET: APPLICATION FOOTPRINT

TABLE 10 HUMANOID ROBOT MARKET: REGION FOOTPRINT

TABLE 11 HUMANOID ROBOT MARKET: LIST OF KEY STARTUPS/SMES

TABLE 12 HUMANOID ROBOT MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

TABLE 13 HUMANOID ROBOT MARKET: PRODUCT LAUNCHES, JANUARY 2020–DECEMBER 2024

TABLE 14 HUMANOID ROBOT MARKET: DEALS, JANUARY 2020–DECEMBER 2024

TABLE 15 HUMANOID ROBOT MARKET: EXPANSIONS, JANUARY 2020–DECEMBER 2024

TABLE 16 SOFTBANK ROBOTICS GROUP: COMPANY OVERVIEW

TABLE 17 SOFTBANK ROBOTICS GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 18 SOFTBANK ROBOTICS GROUP: PRODUCT LAUNCHES

TABLE 19 SOFTBANK ROBOTICS GROUP: DEALS

TABLE 20 ROBOTIS: COMPANY OVERVIEW

TABLE 21 ROBOTIS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 22 ROBOTIS: PRODUCT LAUNCHES

TABLE 23 ROBOTIS: DEALS

TABLE 24 UBTECH ROBOTICS CORP LTD.: COMPANY OVERVIEW

TABLE 25 UBTECH ROBOTICS CORP LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 26 UBTECH ROBOTICS: DEALS

TABLE 27 PAL ROBOTICS: COMPANY OVERVIEW

TABLE 28 PAL ROBOTICS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 29 PAL ROBOTICS: DEALS

TABLE 30 AGILITY ROBOTICS: COMPANY OVERVIEW

TABLE 31 AGILITY ROBOTICS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 32 AGILITY ROBOTICS: PRODUCT LAUNCHES

TABLE 33 AGILITY ROBOTICS: DEALS

TABLE 34 AGILITY ROBOTICS: EXPANSIONS

TABLE 35 AGILITY ROBOTICS: OTHERS

TABLE 36 KAWADA ROBOTICS CORPORATION: COMPANY OVERVIEW

TABLE 37 KAWADA ROBOTICS CORPORATION:  
PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 38 KAWADA ROBOTICS CORPORATION: PRODUCT LAUNCHES

TABLE 39 KAWADA ROBOTICS CORPORATION: DEALS

TABLE 40 TOYOTA MOTOR CORPORATION: COMPANY OVERVIEW

TABLE 41 TOYOTA MOTOR CORPORATION: PRODUCTS/SOLUTIONS/SERVICES  
OFFERED

TABLE 42 TOYOTA MOTOR CORPORATION: DEALS

TABLE 43 HONDA MOTOR CO., LTD.: COMPANY OVERVIEW

TABLE 44 HONDA MOTOR CO., LTD.: PRODUCTS/SOLUTIONS/SERVICES  
OFFERED

TABLE 45 HANSON ROBOTICS LTD.: COMPANY OVERVIEW

TABLE 46 HANSON ROBOTICS LTD.: PRODUCTS/SOLUTIONS/SERVICES  
OFFERED

TABLE 47 HANSON ROBOTICS LTD.: DEALS

TABLE 48 HYULIM ROBOT: COMPANY OVERVIEW

TABLE 49 HYULIM ROBOT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 50 SAMSUNG: COMPANY OVERVIEW

TABLE 51 SAMSUNG: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 52 SAMSUNG: DEALS

TABLE 53 TESLA: COMPANY OVERVIEW

TABLE 54 TESLA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 55 HUMANOID ROBOT MARKET: RISK ASSESSMENT

## List Of Figures

### LIST OF FIGURES

- FIGURE 1 GLOBAL HUMANOID ROBOT MARKET, 2021–2030
- FIGURE 2 PERSONAL ASSISTANCE & CAREGIVING SEGMENT TO HOLD LARGEST SHARE OF HUMANOID ROBOT MARKET, BY APPLICATION, FROM 2025 TO 2030
- FIGURE 3 BIPED SEGMENT TO LEAD HUMANOID ROBOT MARKET, BY TYPE, FROM 2025 TO 2030
- FIGURE 4 CONTROL SYSTEMS/CONTROLLERS SEGMENT OF HARDWARE COMPONENTS TO ACCOUNT FOR LARGEST MARKET SHARE FROM 2025 TO 2030
- FIGURE 5 HUMANOID ROBOT MARKET IN ASIA PACIFIC TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD
- FIGURE 6 GLOBAL HUMANOID ROBOT MARKET DYNAMICS
- FIGURE 7 EVOLUTION OF HUMANOID ROBOTS
- FIGURE 8 IMPACT ANALYSIS OF DRIVERS ON HUMANOID ROBOT MARKET
- FIGURE 9 IMPACT ANALYSIS OF RESTRAINTS ON HUMANOID ROBOT MARKET
- FIGURE 10 IMPACT ANALYSIS OF OPPORTUNITIES ON HUMANOID ROBOT MARKET
- FIGURE 11 IMPACT ANALYSIS OF CHALLENGES ON HUMANOID ROBOT MARKET
- FIGURE 12 HUMANOID ROBOT MARKET: VALUE CHAIN
- FIGURE 13 HUMANOID ROBOT ECOSYSTEM
- FIGURE 14 HUMANOID ROBOT MARKET: PORTER'S FIVE FORCES ANALYSIS
- FIGURE 15 NUMBER OF PATENTS APPLIED AND GRANTED, 2014–2023
- FIGURE 16 TRENDS/DISRUPTIONS INFLUENCING CUSTOMER BUSINESS
- FIGURE 17 SNAPSHOT OF MAJOR AI USE CASES OF HUMANOID ROBOTS
- FIGURE 18 HUMANOID ROBOT MARKET: REVENUE ANALYSIS OF KEY PLAYERS, 2021–2023
- FIGURE 19 HUMANOID ROBOT MARKET: SHARE OF KEY PLAYERS, 2024
- FIGURE 20 HUMANOID ROBOT MARKET: COMPANY VALUATION
- FIGURE 21 HUMANOID ROBOT MARKET: FINANCIAL METRICS
- FIGURE 22 BRAND/PRODUCT COMPARISON OF MAJOR COMPANIES
- FIGURE 23 HUMANOID ROBOT MARKET: COMPANY EVALUATION MATRIX (KEY COMPANIES), 2024
- FIGURE 24 HUMANOID ROBOT MARKET: COMPANY FOOTPRINT
- FIGURE 25 HUMANOID ROBOT MARKET: COMPANY EVALUATION MATRIX (STARTUPS/SMES), 2024

FIGURE 26 SOFTBANK ROBOTICS GROUP: COMPANY SNAPSHOT

FIGURE 27 ROBOTIS: COMPANY SNAPSHOT

FIGURE 28 TOYOTA MOTOR CORPORATION: COMPANY SNAPSHOT

FIGURE 29 HONDA MOTOR CO., LTD.: COMPANY SNAPSHOT

FIGURE 30 SAMSUNG: COMPANY SNAPSHOT

FIGURE 31 TESLA: COMPANY SNAPSHOT

FIGURE 32 HUMANOID ROBOT MARKET: RESEARCH DESIGN

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