

# Educational Robot Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/E0194D259B17EN.html>

Date: September 2023

Pages: 148

Price: US\$ 2,499.00 (Single User License)

ID: E0194D259B17EN

## Abstracts

### Market Overview:

The global educational robot market size reached US\$ 1.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3.5 Billion by 2028, exhibiting a growth rate (CAGR) of 16.23% during 2023-2028.

An educational robot is a learning support tool that uses realistic educational simulations to facilitate skill acquisition in students of all age groups. It delivers content based on science, technology, engineering, art, and mathematics or applied mathematics (STEAM) fields, along with computer programming, linguistics, history and geography. These robots can perform various functions, including gestures, voice control and advanced mechanics to keep children engaged, entertained and educated. Working with them has proven to result in improved creative problem solving, communication and interpersonal skills among students. Owing to this, these robots find extensive application across academic establishments, such as special-education institutes, schools and colleges offering higher education.

The emerging trend of digitization, along with the increasing utilization of artificial intelligence and machine learning (AI/ML) technologies in the education sector, is one of the key factors driving the growth of the market. Owing to their effective interactive capabilities, educational robots are rapidly being adopted in K-5 and K-12 schools and other educational institutes. Furthermore, widespread adoption of e-learning techniques, including teaching robots, digital whiteboards and flip classrooms, to offer an advantageous way of knowledge dissemination, has provided a boost to the market

growth. Additionally, technological innovations, such as the development of advanced variants equipped with autonomous navigation and environmental sensors to detect obstacles in the vicinity, have made these robots more user-friendly and enhanced their overall operational ability. Other factors, including increasing investments in the education sector by both government and non-government organizations (NGOs), extensive research and development (R&D) activities in the field of robotics and the availability of affordable educational robots, are projected to drive the market further.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global educational robot market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component, product type and end-user.

#### Breakup by Component:

- Hardware
- Sensors
- Actuator
- Power Source
- Control System
- Others
- Software

#### Breakup by Product Type:

- Humanoid
- Non-Humanoid

#### Breakup by End-User:

- K-12
- Universities
- Others

#### Breakup Region:

- North America

United States  
Canada  
Asia Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Adele Robots, Aisoy Robotics, Arrick Robotics, Blue Frog Robotics, DST Robot Co., Hanson Robotics, Idmind, Macco Robotics, Pal Robotics, Primo Toys, Probotics America, Qihan Technology Co., Robobuilder, Robotis, Softbank Robotics Corp., etc.

#### Key Questions Answered in This Report

1. What was the size of the global educational robot market in 2022?
2. What is the expected growth rate of the global educational robot market during 2023-2028?
3. What are the key factors driving the global educational robot market?
4. What has been the impact of COVID-19 on the global educational robot market?
5. What is the breakup of the global educational robot market based on the component?

6. What is the breakup of the global educational robot market based on the product type?
7. What is the breakup of the global educational robot market based on the end user?
8. What are the key regions in the global educational robot market?
9. Who are the key players/companies in the global educational robot market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

2.1 Objectives of the Study

2.2 Stakeholders

2.3 Data Sources

2.3.1 Primary Sources

2.3.2 Secondary Sources

2.4 Market Estimation

2.4.1 Bottom-Up Approach

2.4.2 Top-Down Approach

2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

4.1 Overview

4.2 Key Industry Trends

### **5 GLOBAL EDUCATIONAL ROBOT MARKET**

5.1 Market Overview

5.2 Market Performance

5.3 Impact of COVID-19

5.4 Market Forecast

### **6 MARKET BREAKUP BY COMPONENT**

6.1 Hardware

6.1.1 Market Trends

6.1.2 Major Types

6.1.2.1 Sensors

6.1.2.2 Actuators

6.1.2.3 Power Source

6.1.2.4 Control System

- 6.1.2.5 Others
- 6.1.3 Market Forecast
- 6.2 Software
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast

## **7 MARKET BREAKUP BY PRODUCT TYPE**

- 7.1 Humanoid
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Non-Humanoid
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast

## **8 MARKET BREAKUP BY END-USER**

- 8.1 K-12
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Universities
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Others
  - 8.3.1 Market Trends
  - 8.3.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

- 9.1 North America
  - 9.1.1 United States
    - 9.1.1.1 Market Trends
    - 9.1.1.2 Market Forecast
  - 9.1.2 Canada
    - 9.1.2.1 Market Trends
    - 9.1.2.2 Market Forecast
- 9.2 Asia Pacific
  - 9.2.1 China
    - 9.2.1.1 Market Trends

- 9.2.1.2 Market Forecast
- 9.2.2 Japan
  - 9.2.2.1 Market Trends
  - 9.2.2.2 Market Forecast
- 9.2.3 India
  - 9.2.3.1 Market Trends
  - 9.2.3.2 Market Forecast
- 9.2.4 South Korea
  - 9.2.4.1 Market Trends
  - 9.2.4.2 Market Forecast
- 9.2.5 Australia
  - 9.2.5.1 Market Trends
  - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
  - 9.2.6.1 Market Trends
  - 9.2.6.2 Market Forecast
- 9.2.7 Others
  - 9.2.7.1 Market Trends
  - 9.2.7.2 Market Forecast
- 9.3 Europe
  - 9.3.1 Germany
    - 9.3.1.1 Market Trends
    - 9.3.1.2 Market Forecast
  - 9.3.2 France
    - 9.3.2.1 Market Trends
    - 9.3.2.2 Market Forecast
  - 9.3.3 United Kingdom
    - 9.3.3.1 Market Trends
    - 9.3.3.2 Market Forecast
  - 9.3.4 Italy
    - 9.3.4.1 Market Trends
    - 9.3.4.2 Market Forecast
  - 9.3.5 Spain
    - 9.3.5.1 Market Trends
    - 9.3.5.2 Market Forecast
  - 9.3.6 Russia
    - 9.3.6.1 Market Trends
    - 9.3.6.2 Market Forecast
  - 9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

## **10 SWOT ANALYSIS**

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

## **13 PRICE INDICATORS**

## **14 COMPETITIVE LANDSCAPE**



- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
  - 14.3.1 Adele Robots
    - 14.3.1.1 Company Overview
    - 14.3.1.2 Product Portfolio
  - 14.3.2 Aisoy Robotics
    - 14.3.2.1 Company Overview
    - 14.3.2.2 Product Portfolio
  - 14.3.3 Arrick Robotics
    - 14.3.3.1 Company Overview
    - 14.3.3.2 Product Portfolio
  - 14.3.4 Blue Frog Robotics
    - 14.3.4.1 Company Overview
    - 14.3.4.2 Product Portfolio
  - 14.3.5 DST Robot Co.
    - 14.3.5.1 Company Overview
    - 14.3.5.2 Product Portfolio
  - 14.3.6 Hanson Robotics
    - 14.3.6.1 Company Overview
    - 14.3.6.2 Product Portfolio
  - 14.3.7 Idmind
    - 14.3.7.1 Company Overview
    - 14.3.7.2 Product Portfolio
  - 14.3.8 Macco Robotics
    - 14.3.8.1 Company Overview
    - 14.3.8.2 Product Portfolio
  - 14.3.9 Pal Robotics
    - 14.3.9.1 Company Overview
    - 14.3.9.2 Product Portfolio
  - 14.3.10 Primo Toys
    - 14.3.10.1 Company Overview
    - 14.3.10.2 Product Portfolio
  - 14.3.11 Probotics America
    - 14.3.11.1 Company Overview
    - 14.3.11.2 Product Portfolio
  - 14.3.12 Qihan Technology Co.
    - 14.3.12.1 Company Overview

- 14.3.12.2 Product Portfolio
- 14.3.13Robobuilder
  - 14.3.13.1 Company Overview
  - 14.3.13.2 Product Portfolio
- 14.3.14Robotis
  - 14.3.14.1 Company Overview
  - 14.3.14.2 Product Portfolio
- 14.3.15Softbank Robotics Corp.
  - 14.3.15.1 Company Overview
  - 14.3.15.2 Product Portfolio

## List Of Tables

### LIST OF TABLES

Table 1: Global: Educational Robot Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Educational Robot Market Forecast: Breakup by Component (in Million US\$), 2023-2028

Table 3: Global: Educational Robot Market Forecast: Breakup by Product Type (in Million US\$), 2023-2028

Table 4: Global: Educational Robot Market Forecast: Breakup by End-User (in Million US\$), 2023-2028

Table 5: Global: Educational Robot Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Educational Robot Market: Competitive Structure

Table 7: Global: Educational Robot Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Educational Robot Market: Major Drivers and Challenges

Figure 2: Global: Educational Robot Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Educational Robot Market: Breakup by Component (in %), 2022

Figure 4: Global: Educational Robot Market: Breakup by Product Type (in %), 2022

Figure 5: Global: Educational Robot Market: Breakup by End-User (in %), 2022

Figure 6: Global: Educational Robot Market: Breakup by Region (in %), 2022

Figure 7: Global: Educational Robot Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 8: Global: Educational Robot (Hardware) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Educational Robot (Hardware) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Educational Robot (Software) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Educational Robot (Software) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Educational Robot (Humanoid) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Educational Robot (Humanoid) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Educational Robot (Non-Humanoid) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Educational Robot (Non-Humanoid) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Educational Robot (K-12) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Educational Robot (K-12) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Educational Robot (Universities) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Educational Robot (Universities) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Educational Robot (Other End-Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Educational Robot (Other End-Users) Market Forecast: Sales Value

(in Million US\$), 2023-2028

Figure 22: North America: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: North America: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: United States: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: United States: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Canada: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Canada: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Asia Pacific: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Asia Pacific: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: China: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: China: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Japan: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Japan: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: India: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: India: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: South Korea: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: South Korea: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Australia: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Australia: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Indonesia: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: Indonesia: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Others: Educational Robot Market: Sales Value (in Million US\$), 2017 &

2022

Figure 43: Others: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Europe: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Europe: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Germany: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Germany: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: France: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: France: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: United Kingdom: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: United Kingdom: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Italy: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Italy: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Spain: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Spain: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Russia: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Russia: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Others: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Others: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Latin America: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Latin America: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Brazil: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Brazil: Educational Robot Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 64: Mexico: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Mexico: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Others: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Others: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Middle East and Africa: Educational Robot Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Middle East and Africa: Educational Robot Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Global: Educational Robot Industry: SWOT Analysis

Figure 71: Global: Educational Robot Industry: Value Chain Analysis

Figure 72: Global: Educational Robot Industry: Porter's Five Forces Analysis

## I would like to order

Product name: Educational Robot Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/E0194D259B17EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/E0194D259B17EN.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



