

Educational Robot Market By Type (Service Robot, Industrial Robot), By Component (Hardware, Software), By End User (Primary Education, Secondary Education, Higher Education, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-09-01 | 251 pages | Allied Market Research

AVAILABLE LICENSES:

- Cloud Access License \$3840.00
- Business User License \$6090.00
- Enterprise License \$10500.00

Report description:

The global educational robot market was valued at \$1.19 billion in 2021 and is projected to reach \$5.84 billion by 2031, registering a CAGR of 17.4% from 2022 to 2031. Education robotics is a specialized field of study that aims to improve student's learning experiences by developing and implementing robot-related activities, technologies, and artifacts.

The growth of the global educational robot market is majorly driven by a surge in demand for collaborative robots in the education sector paired with rising in R&D related to humanoid robots to transform the service sector. Further, a rise in investment in EdTech in emerging economies is anticipated to drive the growth of the educational robot market. However, the high cost associated with educational robots acts as a prime restraint on the global market. On the contrary, the introduction of industrial robots in high schools is anticipated to provide lucrative opportunities for the educational robot industry during the forecast period. In contrast, the lack of interoperability standards in the education robotics industry imposes significant challenges on the market.

The educational robot market is segmented based on type, component, application, and region. On the basis of type, the market is divided into service robots and industrial robots. By component, the market is bifurcated into hardware and software. By end user, the market is segmented into primary education, secondary education, higher education, and others. Region-wise, the educational robot market trends are analyzed across North America (the U.S., Canada, and Mexico), Europe (the UK, Germany, France, Italy, Netherlands, and the rest of Europe), Asia-Pacific (China, India, Japan, Australia, South Korea, and the rest of the Asia-Pacific), and LAMEA (Latin America, the Middle East, and Africa).

The key players that operate in the market include Fanuc Corporation, ABB Ltd., YASKAWA Electric, KUKA, Universal Robots, SoftBank Robotics Group, Hanson Robotics, Robotis, Robolink, Ubtech Robotics, Seiko Epson, Hyulim Robot, Probotics America, Aisoy Robotics, Sanbot Innovation, Kinderlab Robotics, and Soapbox Labs.

Key Benefits For Stakeholders

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the educational robot market analysis from 2021 to 2031 to identify the prevailing educational robot market opportunities.
- Market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- An in-depth analysis of the educational robot market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global educational robot market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Type

- Service Robot
- Service Robot
- Humanoid
- Non-humnoid
- Industrial Robot

By Component

- Hardware
- Hardware
- Robotics Arms
- Controllers
- Sensors
- Power Source System
- Others
- Software

By End User

- Secondary Education
- Higher Education
- Others
- Primary Education

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Rest Of Europe
- UK
- Germany
- France
- Netherlands
- Spain
- Asia-Pacific
- Japan
- China

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- India
- South Korea
- Taiwan
- Rest Of Asia-Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- FANUC CORPORATION
- YASKAWA ELECTRIC CORPORATION
- KUKA
- Universal Robots
- SoftBank Robotics Group
- Hanson Robotics
- Robotis
- Robolink
- UBTECH Robotics
- Seiko Epson Corporation
- HYULIM ROBOT
- PROBOTICS AMERICA
- Aisoy Robotics
- Sanbot Innovation Technology
- SoapBoxLabs
- ABB Group
- KinderLab Robotics

Table of Contents:

CHAPTER 1:INTRODUCTION

- 1.1.Report description
- 1.2.Key market segments
- 1.3.Key benefits to the stakeholders
- 1.4.Research Methodology
 - 1.4.1.Secondary research
 - 1.4.2.Primary research
 - 1.4.3.Analyst tools and models

CHAPTER 2:EXECUTIVE SUMMARY

- 2.1.Key findings of the study
- 2.2.CXO Perspective

CHAPTER 3:MARKET OVERVIEW

- 3.1.Market definition and scope
- 3.2.Key findings
 - 3.2.1.Top investment pockets
- 3.3.Porter's five forces analysis
- 3.4.Top player positioning
- 3.5.Market dynamics
 - 3.5.1.Drivers

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

3.5.2. Restraints

3.5.3. Opportunities

3.6. COVID-19 Impact Analysis on the market

CHAPTER 4: EDUCATIONAL ROBOT MARKET, BY TYPE

4.1 Overview

4.1.1 Market size and forecast

4.2 Service Robot

4.2.1 Key market trends, growth factors and opportunities

4.2.2 Market size and forecast, by region

4.2.3 Market analysis by country

4.2.4 Service Robot Educational Robot Market by Service Robot

4.2.4.1 Humanoid Market size and forecast, by region

4.2.4.2 Humanoid Market size and forecast, by country

4.2.4.3 Non-humanoid Market size and forecast, by region

4.2.4.4 Non-humanoid Market size and forecast, by country

4.3 Industrial Robot

4.3.1 Key market trends, growth factors and opportunities

4.3.2 Market size and forecast, by region

4.3.3 Market analysis by country

CHAPTER 5: EDUCATIONAL ROBOT MARKET, BY COMPONENT

5.1 Overview

5.1.1 Market size and forecast

5.2 Hardware

5.2.1 Key market trends, growth factors and opportunities

5.2.2 Market size and forecast, by region

5.2.3 Market analysis by country

5.2.4 Hardware Educational Robot Market by Hardware

5.2.4.1 Robotics Arms Market size and forecast, by region

5.2.4.2 Robotics Arms Market size and forecast, by country

5.2.4.3 Controllers Market size and forecast, by region

5.2.4.4 Controllers Market size and forecast, by country

5.2.4.5 Sensors Market size and forecast, by region

5.2.4.6 Sensors Market size and forecast, by country

5.2.4.7 Power Source System Market size and forecast, by region

5.2.4.8 Power Source System Market size and forecast, by country

5.2.4.9 Others Market size and forecast, by region

5.2.4.10 Others Market size and forecast, by country

5.3 Software

5.3.1 Key market trends, growth factors and opportunities

5.3.2 Market size and forecast, by region

5.3.3 Market analysis by country

CHAPTER 6: EDUCATIONAL ROBOT MARKET, BY END USER

6.1 Overview

6.1.1 Market size and forecast

6.2 Primary Education

6.2.1 Key market trends, growth factors and opportunities

6.2.2 Market size and forecast, by region

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.2.3 Market analysis by country
- 6.3 Secondary Education
 - 6.3.1 Key market trends, growth factors and opportunities
 - 6.3.2 Market size and forecast, by region
 - 6.3.3 Market analysis by country
- 6.4 Higher Education
 - 6.4.1 Key market trends, growth factors and opportunities
 - 6.4.2 Market size and forecast, by region
 - 6.4.3 Market analysis by country
- 6.5 Others
 - 6.5.1 Key market trends, growth factors and opportunities
 - 6.5.2 Market size and forecast, by region
 - 6.5.3 Market analysis by country
- CHAPTER 7: EDUCATIONAL ROBOT MARKET, BY REGION
 - 7.1 Overview
 - 7.1.1 Market size and forecast
 - 7.2 North America
 - 7.2.1 Key trends and opportunities
 - 7.2.2 North America Market size and forecast, by Type
 - 7.2.2.1 North America Service Robot Educational Robot Market by Service Robot
 - 7.2.3 North America Market size and forecast, by Component
 - 7.2.3.1 North America Hardware Educational Robot Market by Hardware
 - 7.2.4 North America Market size and forecast, by End User
 - 7.2.5 North America Market size and forecast, by country
 - 7.2.5.1 U.S.
 - 7.2.5.1.1 Market size and forecast, by Type
 - 7.2.5.1.1.1 U.S. Service Robot Educational Robot Market by Service Robot
 - 7.2.5.1.2 Market size and forecast, by Component
 - 7.2.5.1.2.1 U.S. Hardware Educational Robot Market by Hardware
 - 7.2.5.1.3 Market size and forecast, by End User
 - 7.2.5.2 Canada
 - 7.2.5.2.1 Market size and forecast, by Type
 - 7.2.5.2.1.1 Canada Service Robot Educational Robot Market by Service Robot
 - 7.2.5.2.2 Market size and forecast, by Component
 - 7.2.5.2.2.1 Canada Hardware Educational Robot Market by Hardware
 - 7.2.5.2.3 Market size and forecast, by End User
 - 7.2.5.3 Mexico
 - 7.2.5.3.1 Market size and forecast, by Type
 - 7.2.5.3.1.1 Mexico Service Robot Educational Robot Market by Service Robot
 - 7.2.5.3.2 Market size and forecast, by Component
 - 7.2.5.3.2.1 Mexico Hardware Educational Robot Market by Hardware
 - 7.2.5.3.3 Market size and forecast, by End User
 - 7.3 Europe
 - 7.3.1 Key trends and opportunities
 - 7.3.2 Europe Market size and forecast, by Type
 - 7.3.2.1 Europe Service Robot Educational Robot Market by Service Robot
 - 7.3.3 Europe Market size and forecast, by Component

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.3.3.1 Europe Hardware Educational Robot Market by Hardware
- 7.3.4 Europe Market size and forecast, by End User
- 7.3.5 Europe Market size and forecast, by country
 - 7.3.5.1 UK
 - 7.3.5.1.1 Market size and forecast, by Type
 - 7.3.5.1.1.1 UK Service Robot Educational Robot Market by Service Robot
 - 7.3.5.1.2 Market size and forecast, by Component
 - 7.3.5.1.2.1 UK Hardware Educational Robot Market by Hardware
 - 7.3.5.1.3 Market size and forecast, by End User
 - 7.3.5.2 Germany
 - 7.3.5.2.1 Market size and forecast, by Type
 - 7.3.5.2.1.1 Germany Service Robot Educational Robot Market by Service Robot
 - 7.3.5.2.2 Market size and forecast, by Component
 - 7.3.5.2.2.1 Germany Hardware Educational Robot Market by Hardware
 - 7.3.5.2.3 Market size and forecast, by End User
 - 7.3.5.3 France
 - 7.3.5.3.1 Market size and forecast, by Type
 - 7.3.5.3.1.1 France Service Robot Educational Robot Market by Service Robot
 - 7.3.5.3.2 Market size and forecast, by Component
 - 7.3.5.3.2.1 France Hardware Educational Robot Market by Hardware
 - 7.3.5.3.3 Market size and forecast, by End User
 - 7.3.5.4 Netherlands
 - 7.3.5.4.1 Market size and forecast, by Type
 - 7.3.5.4.1.1 Netherlands Service Robot Educational Robot Market by Service Robot
 - 7.3.5.4.2 Market size and forecast, by Component
 - 7.3.5.4.2.1 Netherlands Hardware Educational Robot Market by Hardware
 - 7.3.5.4.3 Market size and forecast, by End User
 - 7.3.5.5 Spain
 - 7.3.5.5.1 Market size and forecast, by Type
 - 7.3.5.5.1.1 Spain Service Robot Educational Robot Market by Service Robot
 - 7.3.5.5.2 Market size and forecast, by Component
 - 7.3.5.5.2.1 Spain Hardware Educational Robot Market by Hardware
 - 7.3.5.5.3 Market size and forecast, by End User
 - 7.3.5.6 Rest of Europe
 - 7.3.5.6.1 Market size and forecast, by Type
 - 7.3.5.6.1.1 Rest of Europe Service Robot Educational Robot Market by Service Robot
 - 7.3.5.6.2 Market size and forecast, by Component
 - 7.3.5.6.2.1 Rest of Europe Hardware Educational Robot Market by Hardware
 - 7.3.5.6.3 Market size and forecast, by End User
- 7.4 Asia-Pacific
 - 7.4.1 Key trends and opportunities
 - 7.4.2 Asia-Pacific Market size and forecast, by Type
 - 7.4.2.1 Asia-Pacific Service Robot Educational Robot Market by Service Robot
 - 7.4.3 Asia-Pacific Market size and forecast, by Component
 - 7.4.3.1 Asia-Pacific Hardware Educational Robot Market by Hardware
 - 7.4.4 Asia-Pacific Market size and forecast, by End User
 - 7.4.5 Asia-Pacific Market size and forecast, by country

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.4.5.1 Japan
 - 7.4.5.1.1 Market size and forecast, by Type
 - 7.4.5.1.1.1 Japan Service Robot Educational Robot Market by Service Robot
 - 7.4.5.1.2 Market size and forecast, by Component
 - 7.4.5.1.2.1 Japan Hardware Educational Robot Market by Hardware
 - 7.4.5.1.3 Market size and forecast, by End User
- 7.4.5.2 China
 - 7.4.5.2.1 Market size and forecast, by Type
 - 7.4.5.2.1.1 China Service Robot Educational Robot Market by Service Robot
 - 7.4.5.2.2 Market size and forecast, by Component
 - 7.4.5.2.2.1 China Hardware Educational Robot Market by Hardware
 - 7.4.5.2.3 Market size and forecast, by End User
- 7.4.5.3 India
 - 7.4.5.3.1 Market size and forecast, by Type
 - 7.4.5.3.1.1 India Service Robot Educational Robot Market by Service Robot
 - 7.4.5.3.2 Market size and forecast, by Component
 - 7.4.5.3.2.1 India Hardware Educational Robot Market by Hardware
 - 7.4.5.3.3 Market size and forecast, by End User
- 7.4.5.4 South Korea
 - 7.4.5.4.1 Market size and forecast, by Type
 - 7.4.5.4.1.1 South Korea Service Robot Educational Robot Market by Service Robot
 - 7.4.5.4.2 Market size and forecast, by Component
 - 7.4.5.4.2.1 South Korea Hardware Educational Robot Market by Hardware
 - 7.4.5.4.3 Market size and forecast, by End User
- 7.4.5.5 Taiwan
 - 7.4.5.5.1 Market size and forecast, by Type
 - 7.4.5.5.1.1 Taiwan Service Robot Educational Robot Market by Service Robot
 - 7.4.5.5.2 Market size and forecast, by Component
 - 7.4.5.5.2.1 Taiwan Hardware Educational Robot Market by Hardware
 - 7.4.5.5.3 Market size and forecast, by End User
- 7.4.5.6 Rest of Asia-Pacific
 - 7.4.5.6.1 Market size and forecast, by Type
 - 7.4.5.6.1.1 Rest of Asia-Pacific Service Robot Educational Robot Market by Service Robot
 - 7.4.5.6.2 Market size and forecast, by Component
 - 7.4.5.6.2.1 Rest of Asia-Pacific Hardware Educational Robot Market by Hardware
 - 7.4.5.6.3 Market size and forecast, by End User
- 7.5 LAMEA
 - 7.5.1 Key trends and opportunities
 - 7.5.2 LAMEA Market size and forecast, by Type
 - 7.5.2.1 LAMEA Service Robot Educational Robot Market by Service Robot
 - 7.5.3 LAMEA Market size and forecast, by Component
 - 7.5.3.1 LAMEA Hardware Educational Robot Market by Hardware
 - 7.5.4 LAMEA Market size and forecast, by End User
 - 7.5.5 LAMEA Market size and forecast, by country
 - 7.5.5.1 Latin America
 - 7.5.5.1.1 Market size and forecast, by Type
 - 7.5.5.1.1.1 Latin America Service Robot Educational Robot Market by Service Robot

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.5.5.1.2 Market size and forecast, by Component
 - 7.5.5.1.2.1 Latin America Hardware Educational Robot Market by Hardware
 - 7.5.5.1.3 Market size and forecast, by End User
- 7.5.5.2 Middle East
 - 7.5.5.2.1 Market size and forecast, by Type
 - 7.5.5.2.1.1 Middle East Service Robot Educational Robot Market by Service Robot
 - 7.5.5.2.2 Market size and forecast, by Component
 - 7.5.5.2.2.1 Middle East Hardware Educational Robot Market by Hardware
 - 7.5.5.2.3 Market size and forecast, by End User
- 7.5.5.3 Africa
 - 7.5.5.3.1 Market size and forecast, by Type
 - 7.5.5.3.1.1 Africa Service Robot Educational Robot Market by Service Robot
 - 7.5.5.3.2 Market size and forecast, by Component
 - 7.5.5.3.2.1 Africa Hardware Educational Robot Market by Hardware
 - 7.5.5.3.3 Market size and forecast, by End User

CHAPTER 8: COMPANY LANDSCAPE

- 8.1. Introduction
- 8.2. Top winning strategies
- 8.3. Product Mapping of Top 10 Player
- 8.4. Competitive Dashboard
- 8.5. Competitive Heatmap
- 8.6. Key developments

CHAPTER 9: COMPANY PROFILES

- 9.1 ABB Ltd.
 - 9.1.1 Company overview
 - 9.1.2 Company snapshot
 - 9.1.3 Operating business segments
 - 9.1.4 Product portfolio
 - 9.1.5 Business performance
 - 9.1.6 Key strategic moves and developments
- 9.2 FANUC Corporation
 - 9.2.1 Company overview
 - 9.2.2 Company snapshot
 - 9.2.3 Operating business segments
 - 9.2.4 Product portfolio
 - 9.2.5 Business performance
 - 9.2.6 Key strategic moves and developments
- 9.3 YASKAWA Electric
 - 9.3.1 Company overview
 - 9.3.2 Company snapshot
 - 9.3.3 Operating business segments
 - 9.3.4 Product portfolio
 - 9.3.5 Business performance
 - 9.3.6 Key strategic moves and developments
- 9.4 KUKA
 - 9.4.1 Company overview
 - 9.4.2 Company snapshot

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.4.3 Operating business segments
- 9.4.4 Product portfolio
- 9.4.5 Business performance
- 9.4.6 Key strategic moves and developments
- 9.5 Universal Robots
 - 9.5.1 Company overview
 - 9.5.2 Company snapshot
 - 9.5.3 Operating business segments
 - 9.5.4 Product portfolio
 - 9.5.5 Business performance
 - 9.5.6 Key strategic moves and developments
- 9.6 SoftBank Robotics Group
 - 9.6.1 Company overview
 - 9.6.2 Company snapshot
 - 9.6.3 Operating business segments
 - 9.6.4 Product portfolio
 - 9.6.5 Business performance
 - 9.6.6 Key strategic moves and developments
- 9.7 hanson robotics
 - 9.7.1 Company overview
 - 9.7.2 Company snapshot
 - 9.7.3 Operating business segments
 - 9.7.4 Product portfolio
 - 9.7.5 Business performance
 - 9.7.6 Key strategic moves and developments
- 9.8 robotis
 - 9.8.1 Company overview
 - 9.8.2 Company snapshot
 - 9.8.3 Operating business segments
 - 9.8.4 Product portfolio
 - 9.8.5 Business performance
 - 9.8.6 Key strategic moves and developments
- 9.9 robolink
 - 9.9.1 Company overview
 - 9.9.2 Company snapshot
 - 9.9.3 Operating business segments
 - 9.9.4 Product portfolio
 - 9.9.5 Business performance
 - 9.9.6 Key strategic moves and developments
- 9.10 UBTECH Robotics
 - 9.10.1 Company overview
 - 9.10.2 Company snapshot
 - 9.10.3 Operating business segments
 - 9.10.4 Product portfolio
 - 9.10.5 Business performance
 - 9.10.6 Key strategic moves and developments
- 9.11 Seiko Epson

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.11.1 Company overview
- 9.11.2 Company snapshot
- 9.11.3 Operating business segments
- 9.11.4 Product portfolio
- 9.11.5 Business performance
- 9.11.6 Key strategic moves and developments
- 9.12 HYULIM ROBOT
- 9.12.1 Company overview
- 9.12.2 Company snapshot
- 9.12.3 Operating business segments
- 9.12.4 Product portfolio
- 9.12.5 Business performance
- 9.12.6 Key strategic moves and developments
- 9.13 PROBOTICS AMERICA
- 9.13.1 Company overview
- 9.13.2 Company snapshot
- 9.13.3 Operating business segments
- 9.13.4 Product portfolio
- 9.13.5 Business performance
- 9.13.6 Key strategic moves and developments
- 9.14 AISOY ROBOTICS
- 9.14.1 Company overview
- 9.14.2 Company snapshot
- 9.14.3 Operating business segments
- 9.14.4 Product portfolio
- 9.14.5 Business performance
- 9.14.6 Key strategic moves and developments
- 9.15 SANBOT INNOVATION
- 9.15.1 Company overview
- 9.15.2 Company snapshot
- 9.15.3 Operating business segments
- 9.15.4 Product portfolio
- 9.15.5 Business performance
- 9.15.6 Key strategic moves and developments
- 9.16 KinderLab Robotics
- 9.16.1 Company overview
- 9.16.2 Company snapshot
- 9.16.3 Operating business segments
- 9.16.4 Product portfolio
- 9.16.5 Business performance
- 9.16.6 Key strategic moves and developments
- 9.17 Soapbox Labs
- 9.17.1 Company overview
- 9.17.2 Company snapshot
- 9.17.3 Operating business segments
- 9.17.4 Product portfolio
- 9.17.5 Business performance

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

9.17.6 Key strategic moves and developments

Educational Robot Market By Type (Service Robot, Industrial Robot), By Component (Hardware, Software), By End User (Primary Education, Secondary Education, Higher Education, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-09-01 | 251 pages | Allied Market Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Cloud Access License	\$3840.00
	Business User License	\$6090.00
	Enterprise License	\$10500.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-11"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Signature

An empty rectangular box with a thin black border, intended for a signature.