

Global Humanoid Robots Market:
Analysis By Component (Hardware &
Software), By Motion Type (Bipedal &
Wheel Drive), By Application (Retail &
Healthcare, Hospitality, Construction,
Military & Defense, and Others), By
Region Size and Trends with Impact of
COVID-19 and Forecast up to 2027

September 2022



Global Humanoid Robots Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

Regional Market Analysis

Impact Of COVID 19

Dynamics

Competitive Landscape

Company Profiling

Global Humanoid Robots Market: Coverage

Scope of the Report

Attributes	Details
Title	Global Humanoid Robots Market: Analysis By Component (Hardware & Software), By Motion Type (Bipedal & Wheel Drive), By Application (Retail & Healthcare, Hospitality, Construction, Military & Defense, and Others), By Region Size and Trends with Impact of COVID-19 and Forecast up to 2027
Coverage	Global and Regional
Regional Coverage	Asia Pacific (China, Japan, South Korea, India, and Rest of the Asia Pacific), North America (The US, Canada, and Mexico), Europe (Germany, Italy, France, The UK, and Rest of Europe), and Rest of the World
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2022-2027
Competition in the Market	Consolidated
Key Players	Toyota Motor Corporation, Honda Motor Co., Ltd., SoftBank Group Corp., Toshiba Corporation, Kawada Technologies, Inc. (Kawada Robotic Corporation), Hyulim Robot Co., Ltd., Hanson Robotics Limited, Agility Robotics Inc., Engineered Arts Limited, Hyundai Motor Group (Boston Dynamics), UBTECH Robotics Inc., Qihan Technology Co., Ltd., and Hajime Research Institute Ltd.

Global Humanoid Robots Market: Coverage

Executive Summary

A humanoid is a robot that resembles a human being and can interact with objects or settings intended for humans. A humanoid robot's exterior is modelled after the human body, and its motions are quite similar to those of humans. The global humanoid robots market in 2021 stood at US\$1.53 billion, and is likely to reach US\$12.07 billion by 2027, progressing at a CAGR of 41.21%, during the forecast period of 2022-2027.

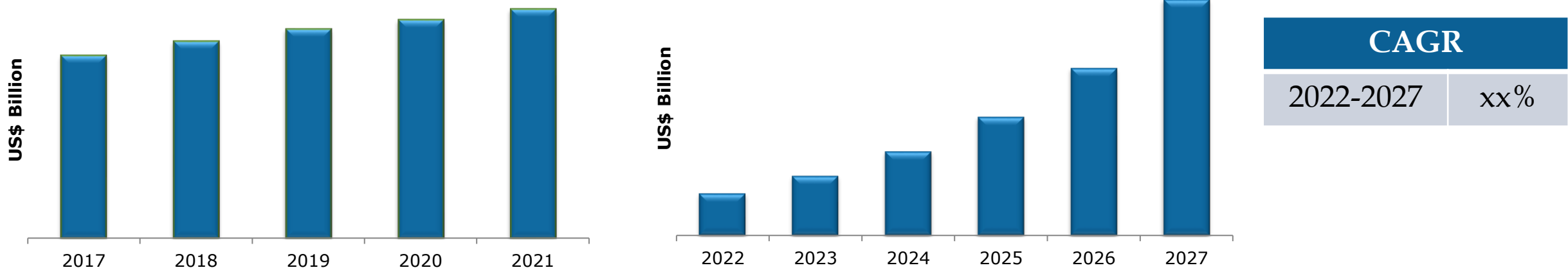
The humanoid robots market can be segmented on the basis of component (Hardware and Software), motion type (Bipedal and Wheel Drive) and application (Retail & Healthcare, Hospitality, Construction, Military & Defense, and Others). Among the component segments, hardware lead the market with the maximum share of approx. 58.3% in 2021. Asia Pacific is leading the global humanoid robots market by occupying 43% share.

The COVID-19 pandemic affected the growth of the humanoid robot market during the initial phase of 2020. However, after the relaxation of the lockdown, the industry responded positively to the crisis. The pandemic has accelerated the shift to digital and automation, resulting in increasing shift towards higher automation and use of robots and this secular trend is likely to continue post the pandemic. The demand for humanoid robots increased in the medical sector in the later period of 2020, to ensure the safety of the medical staff and supply food and medicines to the patients affected by the virus.

The global humanoid robots market observed progressive growth in the past few years and anticipations are made that during the forecasted period (2022-2027), the market would further augment at an escalating growth rate. The global humanoid robots market growth is predicted to be supported by numerous growth drivers such as rapid urbanization, accelerating adoption for educational purposes, and many other factors. Conversely, the market growth would be negatively impacted by various challenges such as high initial cost and research & development expenses, lack of high level interfacing, etc. Moreover, the market growth would succeed to various market trends like growing demand from retail industry for personal assistance, technological advancements, etc.

Humanoid Robots Market: Global Analysis

Global Humanoid Robots Market by Value



Global humanoid robots market was valued at US\$... billion in 2021 and is anticipated to reach up to US\$... billion by 2027 from US\$... billion in 2022, with a CAGR of xx%.

Humanoid Robots Market: Global Analysis

Global Humanoid Robots Market by Component; 2021



Component	Share
Hardware	xx%
Software	xx%

Global Humanoid Robots Market by Motion Type; 2021



Motion Type	Share
Bipedal	xx%
Wheel Drive	xx%

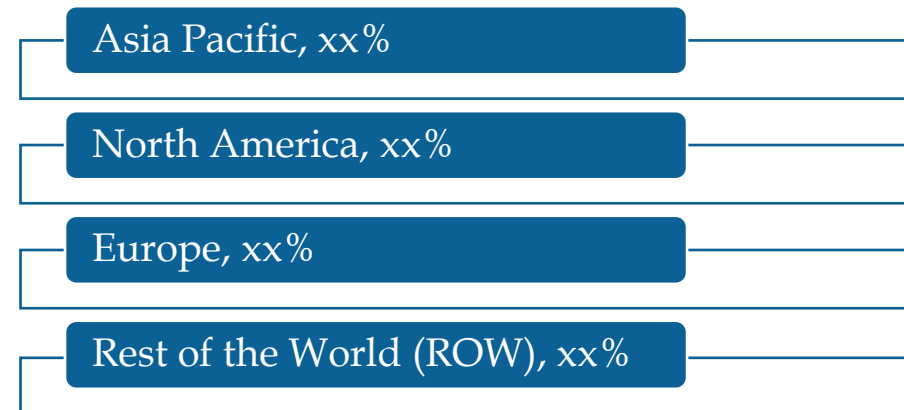
Humanoid Robots Market: Global Analysis

Global Humanoid Robots Market by Application; 2021



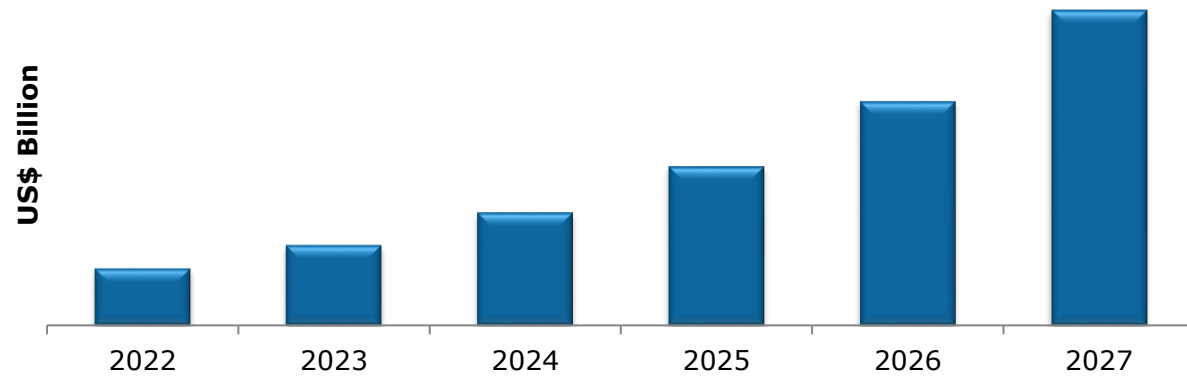
Application	Share
Retail & Healthcare	xx%
Hospitality	xx%
Construction	xx%
Military & Defense	xx%
Others	xx%

Global Humanoid Robots Market by Region; 2021

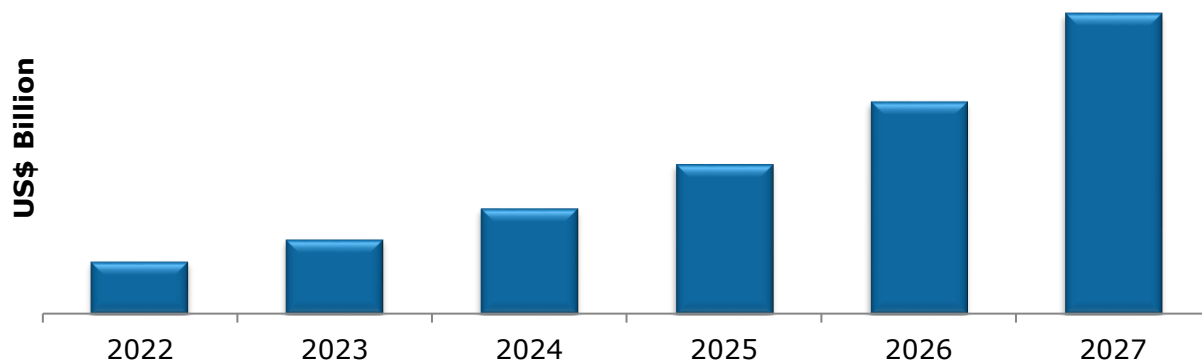


Humanoid Robots Market: Component Analysis

Global Humanoid Robots Hardware Market by Value



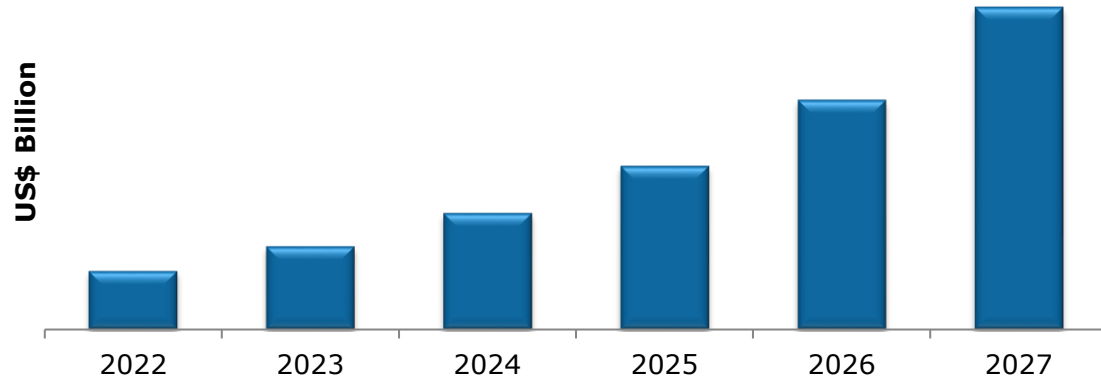
Global Humanoid Robots Software Market by Value



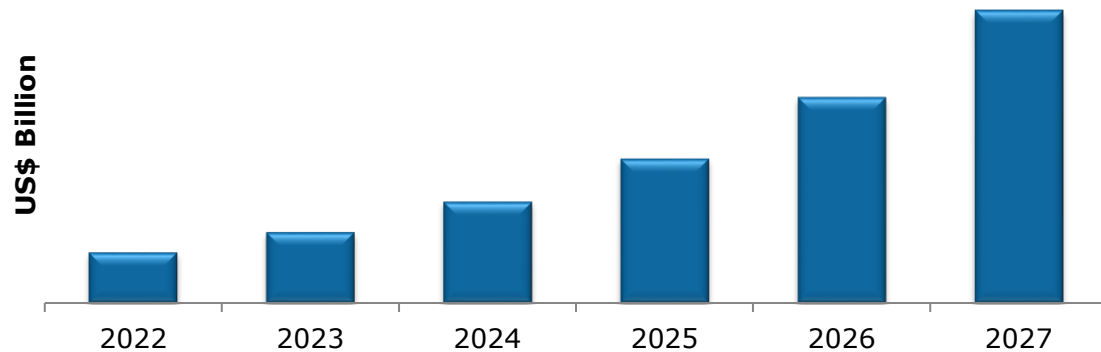
Component	CAGR (2022-2027)
Hardware	xx%
Software	xx%

Humanoid Robots Market: Motion Type Analysis

Global Bipedal Humanoid Robots Market by Value



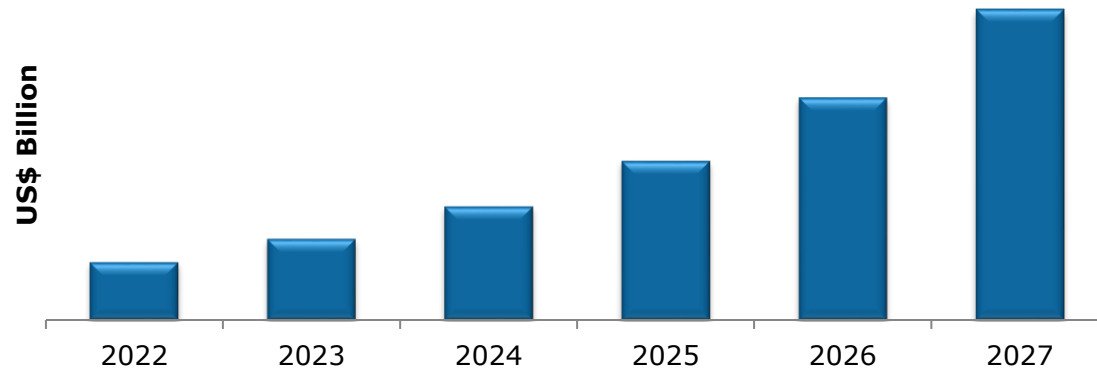
Global Wheel Drive Humanoid Robots Market by Value



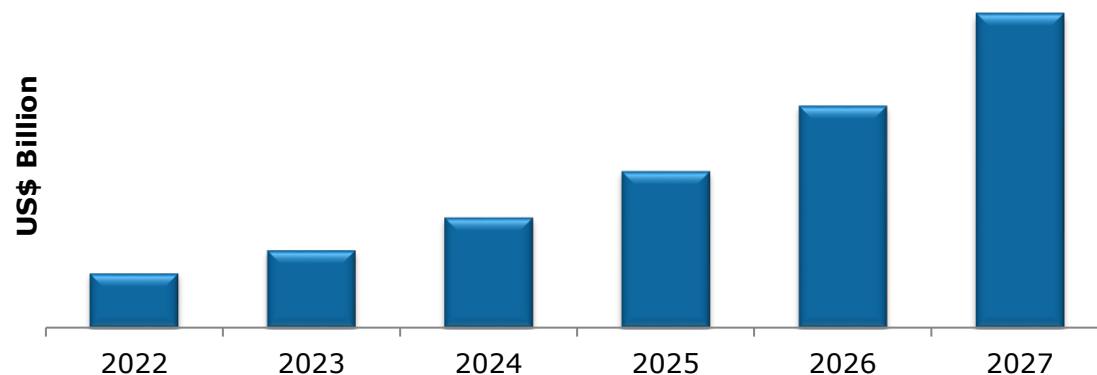
Motion Type	CAGR (2022-2027)
Bipedal	xx%
Wheel Drive	xx%

Humanoid Robots Market: Application Analysis

Global Retail & Healthcare Humanoid Robots Market by Value



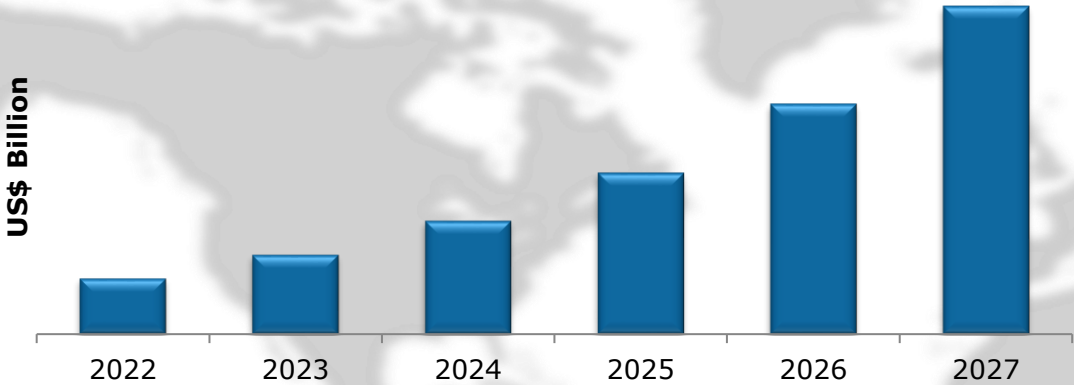
Global Hospitality Humanoid Robots Market by Value



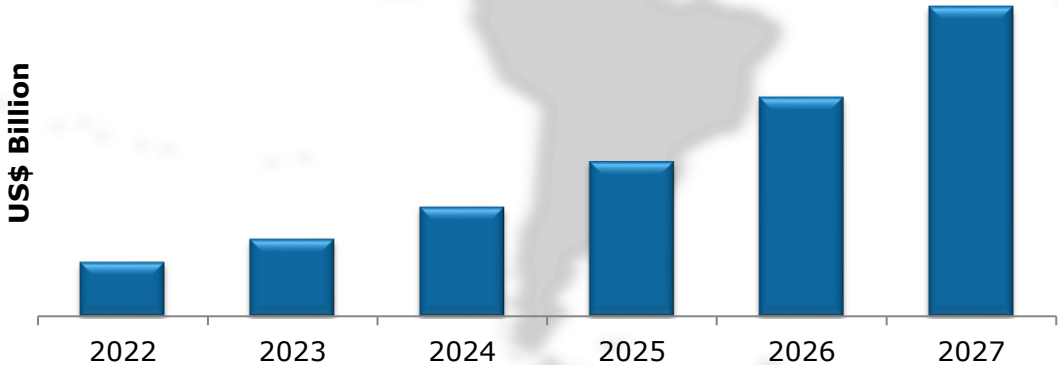
Application	CAGR (2022-2027)
Retail & Healthcare	xx%
Hospitality	xx%
Construction	xx%
Military & Defense	
Others	xx%

Humanoid Robots Market: Regional Analysis

Asia Pacific Humanoid Robots Market by Value



North America Humanoid Robots Market by Value



Region	CAGR (2022-2027)
Asia Pacific	xx%
North America	xx%
Europe	xx%
Rest of the World (ROW)	xx%

Asia Pacific Humanoid Robots Market: An Analysis

Asia Pacific Humanoid Robots Market by Region; 2021



Region	Share (2021)	CAGR (2022-2027)
China	xx%	xx%
Japan	xx%	xx%
South Korea	xx%	xx%
India	xx%	xx%
Rest of Asia Pacific	xx%	xx%

North America Humanoid Robots Market: An Analysis

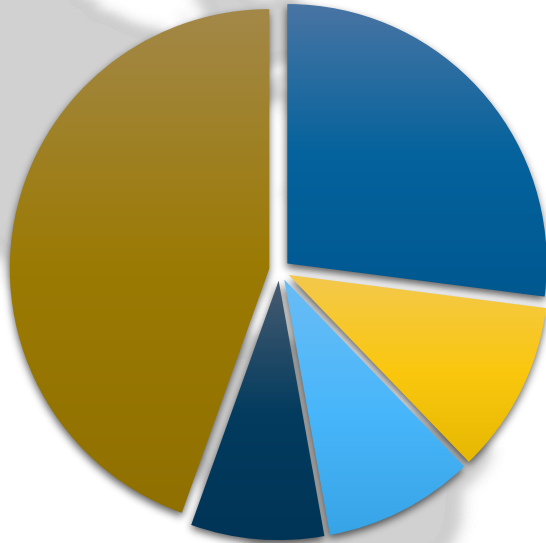
North America Humanoid Robots Market by Region; 2021



Region	Share (2021)	CAGR (2022-2027)
The US	xx%	xx%
Canada	xx%	xx%
Mexico	xx%	xx%

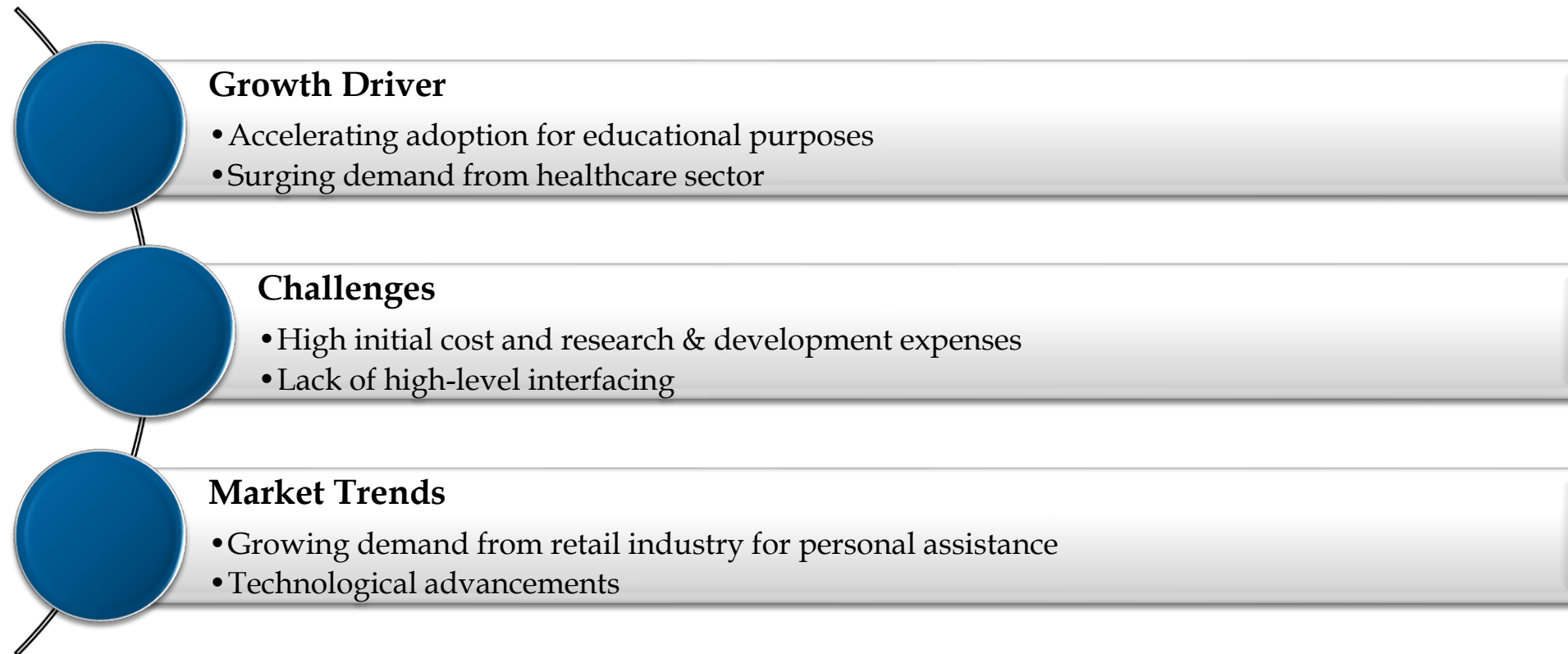
Europe Humanoid Robots Market: An Analysis

Europe Humanoid Robots Market by Region; 2021



Region	Share (2021)	CAGR (2022-2027)
Germany	xx%	xx%
Italy	xx%	xx%
France	xx%	xx%
UK	xx%	xx%
Rest of Europe	xx%	xx%

Global Humanoid Robots Market: Dynamics



Global Humanoid Robots Market: Competitive Landscape

Players Profiled

- ❑ Toyota Motor Corporation
- ❑ Honda Motor Co., Ltd.
- ❑ SoftBank Group Corp.
- ❑ Toshiba Corporation
- ❑ Kawada Technologies, Inc. (Kawada Robotic Corporation)
- ❑ Hyulim Robot Co., Ltd.
- ❑ Hanson Robotics Limited
- ❑ Agility Robotics Inc.
- ❑ Engineered Arts Limited
- ❑ Hyundai Motor Group (Boston Dynamics)
- ❑ UBTECH Robotics Inc.
- ❑ Qihan Technology Co., Ltd.
- ❑ Hajime Research Institute Ltd.