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Global Robotics in Shipbuilding Market Size study & Forecast, by Type (Articulated Robots Cartesian Robots, SCARA Robots, Cylindrical Robots, Others), by Application (Handling, Welding, Assembling, Inspection, Others), by Lifting Capacity (Less than 500 kg, 500 to 1000 kg, Over 1000 kg) and Regional Analysis, 2023-2030

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Abstracts

Global Robotics in Shipbuilding Market is valued at approximately USD 1.26 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 4.9% over the forecast period 2023-2030. Robotics in shipbuilding refers to the application of robotic systems and automation technologies in the construction and assembly of ships. It involves the use of advanced robotic tools, machinery, and computer-controlled systems to streamline and optimize various shipbuilding processes. The integration of robotics in shipbuilding brings numerous benefits, including increased productivity, improved precision, enhanced worker safety, reduced construction time, and better overall quality of the vessels. It enables shipyards to optimize operations, streamline workflows, and meet the growing demands of the maritime industry. The Robotics in the Shipbuilding market is expanding because of factors such as increased usage of robotics to plug labor gap in the shipbuilding industry and increasing shipbuilding demand.

The shipbuilding industry has historically relied on specialized workers for tasks including cutting, welding, and painting. Therefore, shipbuilders are embracing robot technology to save time and money. Additionally, robot technology is remarkably efficient and is demonstrating its ability to eliminate the labour shortage in the shipbuilding industry. For instance, Daewoo Shipbuilding & Marine Engineering (DSME)

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developed an innovative strategy in January 2023 to address the persistent manpower and talent shortages in the shipbuilding industry. The shipyard said that it has started implementing a collaborative robot-based automatic welding technology. In addition, the use of automation to streamline processes and the rise in demand for collaborative robotics and rising technological advancement in robotics technology is further creating lucrative opportunities for market growth. However, high initial investment and maintenance cost stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Robotics in Shipbuilding Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to factors such as an increase in shipbuilding activities in the region, rising investment in the adoption of automation technologies, and rising research and development projects in the region. Whereas, Europe is projected to grow significantly owing to factors such as the rising adoption of robotics technology in the industry, the rising development of new technologies in the region.

Major market player included in this report are:

ABB Group

The Fanuc Corporation

Comau S.p.A.

Yaskawa America, Inc.

Kuka AG

Sarcos Technology And Robotics Corp.

Seiko Epson Corporation

Universal Robots

Kawasaki Heavy Industries, Ltd.

St?ubli International AG

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Recent Developments in the Market:

In January 2022, The South Korean shipbuilding company Daewoo Shipbuilding & Marine Engineering developed a collaborative robot (cobot) to boost productivity. Cobots are robots designed specifically for face-to-face interaction with humans in public spaces or other settings where humans and robots coexist.

In July 2023, Italian shipbuilder Fincantieri and Italian robotics firm Comau have a contract for the development of robots and other solutions for use in heavy construction and other applications. At the Fincantieri shipyard, the two corporations would collaborate to create and test novel applications.

Global Robotics in Shipbuilding Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Type, Application, Lifting Capacity, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries

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involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Articulated Robots

Cartesian Robots

SCARA Robots

Cylindrical Robots

Others

By Application:

Handling

Welding

Assembling

Inspection

Others

By Lifting Capacity:

Less than 500 kg

500 to 1000 kg

Over 1000 kg

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By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

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Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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