

Cobot Market: Segmented By Load Capacity (Above 10 Kg, Upto 10 Kg And Upto 5 Kg); By Application Use (Handling, Pick And Place, Assembly, Packaging, Machine Tending, Gluing And Welding, Quality Testing, And Others) And Region – Global Analysis Of Market Size, Share & Trends For 2019–2020 And Forecasts To 2030

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Abstracts

[176+ Pages research Report] Global COBOT market to surpass USD 1.1 billion by 2030 from USD 16.5 billion in 2020 at a CAGR of 44.3 % in the coming years, i.e., 2021-30.

Product Overview

Cobots, are constructed to help human beings for particular tasks, which are highly complex in nature and require high precision. These robots work in a close relationship with humans. The robots can detect any unusual activity in their surroundings and can cooperate with humans without physical departure. Smaller, smarter, flexibility and user-friendly are some qualities which make cobots more attractive to be used in firms and industries. Because of several advantages like increased productivity and better employee utilization, collaborative robots are increasingly being used in different applications. Collaborative robots (cobots) decrease the total production costs and enable fast return of investment.

Market Highlights

Global COBOT Market is expected to project a notable CAGR of 44.3 % in 2030.

The co-operating robot or cobot is designed substantially to communicate with

individuals in a common workspace. The driving force for growth is the growing adoption in small and medium businesses (SMEs) and investment in manufacturing automation is expected to drive the market growth. The introduction of robotics in sectors such as the manufacturing of smart parts and the production of goods in the electronics industry further boosts the demand.

Global COBOT Market: Segments

The up to 5kg segment is anticipated to register XX% of the volume share and is expected to grow at a highest CAGR.

The global Cobots Market is segmented by payload into up to 5 Kg, up to 10 Kg, and above 10 kg. The versatility, lightweight, and the capability of the system to optimize collaborative processes of low weight, including positioning, selection, and testing is driving the market growth of this segment. Because of their ability to handle larger tasks that require precision, reliability, and coordination with heavier weight processes, Cobots with a capacity of over 10 kg are expected to see substantial growth.

Assembly segment to grow with the highest CAGR during 2020-30

The global Cobots market is segmented by Application: assembly, pick and place, handling, packaging, quality testing, machine tending, gluing and welding, and others. Workers are also at risk of contamination while employed in industries like food & drink, healthcare and are not only susceptible to errors or injury. Machine tending requires workers to stand alongside a CNC or injection molding machine for long hours. Collaborative robots can automate a computer tending process without supervision over the course of hours and increase productivity.

Market Dynamics

Drivers

User-Friendly Application

Adopting advanced robotic systems and the qualities of such technologies as user-friendliness and security are some of the drivers of global cobots development.

Application in heavy payload

The rising demand is anticipated to increase demand for work requiring higher efficiency. In an uncaged environment, the capability of cobots to work efficiently with

staff has led to increased industrial installations. The co-robots are designed to avoid employee injury using advanced sensors, software, and Arm End Tooling (EOATs).

Restraint

High initial investment and rigorous training program

The main restrictions on the market are the huge initial investment in solutions and the rigorous training program for employees to interact with these robots, which require considerable time and investment and lead to reduced company adoption.

Global COBOT market: Key Players

EPSON Robots

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

F&P Robotics AG

KUKA AG

Precise Automation

Robert Bosch GmbH

Yaskawa Electric Corporation

Techman Robot by Quanta Storage

DENSO Robotics

Inc.; Franka Emika GmbH

Comau S.p.A

Energid Technologies Corporation

Fanuc Corporation

MRK-Systeme GmbH

Other Prominent Players

Global COBOT market: Regions

Global COBOT Market is segmented based on regional analysis into five major regions: North America, Latin America, Europe, Asia Pacific, and the Middle East and Africa. Global COBOT market in Europe held the largest market share of XX% in the year 2020. The huge application of cobots in various vertical components, such as electronics, logistics, and inspections, is attributed to regional growth. In addition, a range of benefits can be extracted from regional growth in cobot technology, such as an increase in cooperation and productive solutions for manufacturing optimization offered by workplace automation.

Global COBOT market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey, and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Global COBOT market report also contains analysis on:

COBOT Market Segments

By Payload:

up to 5 Kg

up to 10 Kg

above 10 kg

By Application:

Assembly

pick and place

packaging

handling

quality testing

machine tending

gluing and welding

Others

COBOT Market Dynamics

COBOT market Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

COBOT Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2021 USD 1.1 billion

Revenue forecast in 2030 USD 16.5 billion

Growth Rate CAGR of 44.3 % from 2021 to 2030

Base year for estimation 2020

Quantitative units Revenue in USD million and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Application, payload, and Region

Regional scope North America; Europe; Asia Pacific; Latin America; Middle East & Africa (MEA)

Key companies profiled ABB Group, EPSON Robots, F&P Robotics AG, KUKA AG, Precise Automation, Robert Bosch GmbH, Yaskawa Electric Corporation, Techman Robot by Quanta Storage, DENSO Robotics, Inc, Franka Emika GmbH, Comau S.p.A, Energid Technologies Corporation, Fanuc Corporation, MRK-Systeme GmbH, Other Prominent Players.

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Consultant Recommendation

****The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.**

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