

Robot Operating System - Global Market Outlook (2018-2027)

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Abstracts

According to Statistics MRC, the Global Robot Operating System Market is accounted for \$282.86 million in 2018 and is expected to reach \$683.53 million by 2027 growing at a CAGR of 10.3% during the forecast period. Some of the key factors influencing the market growth include increasing implementation of collaborative modular robots, growing demand for Robotics-as-a-Service (RaaS) model, and the rising adoption of low-cost industrial robots. However, high installation cost of low-volume production applications is restricting the market growth.

Robot operation system is an open source framework to develop robot software. This framework includes tools, libraries, and conventions required for developing the code or algorithm for a robot. The operating system is essential to the functioning of a robot as it allows developers to build a robot based as per their specifications.

Amongst Robot Type, Collaborative Robots segment is going to have a lucrative growth during the forecast period due to the benefits of collaborative robots (Cobot's) to perform certain light-duty tasks is driving the adoption of collaborative robots. Cobot's can be integrated with various sensors, vision systems, and passive compliance. It also integrates with overcurrent detection features which detect any imminent collision with humans.

By Geography, Asia Pacific is likely to have a huge demand during the forecast period. The high adoption rate of digital technologies and automation, especially in China, Japan, and South Korea, has made APAC a lucrative market. The growing development in these countries is expected to provide several new opportunities for the ROS vendors in APAC.

Some of the key players in global Robot Operating System market are Husarion, Inc., ABB Ltd., Denso Corporation, Microsoft Corporation, iRobot Technologies, Fanuc Corporation, Omron Corporation, KUKA AG, Stanley Innovation, Yaskawa Electric Corporation, Panasonic Corporation, Cyberbotics Ltd, Clearpath Robots, Toshiba Corporation, Kawasaki Robotics, Yamaha Robotics, Epson Robots, Stryker Corporation and Nachi Robotic Systems Inc.

Robot Types Covered:

Commercial Robots

Industrial Robots

Applications Covered:

Plastic Injection and Blow Molding

Metal Stamping and Press Tending

Pick and Place

Computer Numerical Control (CNC) Machine Tending

Printed Circuit Board (PCB) Handling and Information Communication and Technology (ICT)

Testing and Quality Inspection

Co-packing and End Of Line Packaging

End Users Covered:

Industrial

Commercial

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the clients interest (Note: Depends of feasibility check)

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Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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