

Robot Force Torque Sensor Market - Global Outlook and Forecast 2022-2028

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Abstracts

Sensors are simple, straightforward devices that, in essence, serve as various human senses within automated equipment. They are used in assembly and end-of-line testing operations to detect the presence, position, orientation or movement of an object. After the sensor initially measures a physical quantity, an external signal conditioner converts the data into an electrical energy measurement so it can be read by a person or instrument.

Force sensors monitor the rate of change, and the relative change, in force between two surfaces. The sensors may be bolted or magnet-mounted within the assembly or testing equipment, or onto the part tooling.

Torque sensors measure and record the rotational force on various rotating systems. Some torque sensors only measure static torque, while others are able to handle static and dynamic (in process) torque. The sensors are installed between test pieces and their mounting plates, and either sit on a pedestal or “float” in the driveline.

This report contains market size and forecasts of Robot Force Torque Sensor in global, including the following market information:

Global Robot Force Torque Sensor Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Robot Force Torque Sensor Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Robot Force Torque Sensor companies in 2021 (%)

The global Robot Force Torque Sensor market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Welding Robots Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Robot Force Torque Sensor include ABB, Crane Electronics, FUTEK Advanced Sensor Technology, Applied Measurements, Honeywell International, Kistler Holding, Sensor Technology, Hottinger Baldwin Messtechnik and Norbar Torque Tools, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Robot Force Torque Sensor manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Robot Force Torque Sensor Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Robot Force Torque Sensor Market Segment Percentages, by Type, 2021 (%)

Welding Robots

Material Handling Robots

Palletizing Robot

Painting Robot

Assembly Robot

Others

Global Robot Force Torque Sensor Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Robot Force Torque Sensor Market Segment Percentages, by Application, 2021 (%)

Automotive

Electronics & Semiconductor

Pharmaceuticals

Food & Packaging

Others

Global Robot Force Torque Sensor Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Robot Force Torque Sensor Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Robot Force Torque Sensor revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies Robot Force Torque Sensor revenues share in global market, 2021 (%)

Key companies Robot Force Torque Sensor sales in global market, 2017-2022
(Estimated), (K Units)

Key companies Robot Force Torque Sensor sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

ABB

Crane Electronics

FUTEK Advanced Sensor Technology

Applied Measurements

Honeywell International

Kistler Holding

Sensor Technology

Hottinger Baldwin Messtechnik

Norbar Torque Tools

Infineon Technologies

ATI Industrial Automation

OptoForce

Robotiq

OnRobot

HBM

Jiangsu Lanmec Electromechanical Technology Co., Ltd

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