

Covid-19 impact on Global and China Linear Variable Displacement Transducers (LVDT) Market: Market Segments: By Type (AC Type, DC Type); By Application (Military/Aerospace, Power Generation, Petrochemical, and Automotive Industry); and Region – Analysis of Market Size, Share & Trends for 2014 – 2019 and Forecasts to 2030

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Abstracts

Product Overview

Linear variable differential transformer is also known as the LVDT Transducer located in the turbine control system. It is the most common type of electromechanical transducer used to convert mechanical motion or vibration, specifically rectilinear motion, to variable electrical current, voltage, or electrical signals, and vice versa. The piezoelectric material is one type of transducer used primarily as a piezoelectric transducer that can be easily measured using energy measurement instruments. LVDTs are primarily used in the aerospace, automotive, and military industries in a wide variety of applications including aerospace valves, actuators, power turbines, hydraulics, satellites, and nuclear reactors. Linear encoders are a type of sensor that is also used in the transducer. It is also used in applications such as positioning tables and laboratories and is also widely used in motion control systems, robots, and machine tools.

Market Highlights

Global and China Linear Variable Displacement Transducers (LVDT) market is expected to project a notable CAGR in 2030.

Global and China Linear Variable Displacement Transducers (LVDT) market to surpass USD XXXX million by 2030 from USD XXXX million in 2018 at a CAGR of XX% throughout the forecast period, i.e. 2019-30. The Global and China Linear Variable

Displacement Transducers (LVDT) market is expected to observe growth in the future. Factors such as technological advancement in automotive safety and infotainment systems, along with growing developments in manufacturing process automation, are expected to drive the LVDT industry.

Recent Highlights of Global and China Linear Variable Displacement Transducers (LVDT) Market:

November 2018-Keyence has released a new VR-5000 wide-area 3D measurement system. The VR series can be measured over 30 mm in just one second, with a maximum measurement range of 200 mm x 100 mm.

Global and China Linear Variable Displacement Transducers (LVDT) Market: Segments AC segment to grow with the highest CAGR during 2019-30

Global and China Linear Variable Displacement Transducers (LVDT) market is segmented by type into AC and DC. UV segment held the largest market share of XX.X% in the year 2018 and is anticipated to dominate the global market throughout the forecast. The increase in demand for applications in the automotive and transport industries is expected to drive the market in the forecast period.

Military/Aerospace segment to grow with the highest CAGR during 2019-30

Global and China Linear Variable Displacement Transducers (LVDT) market is segmented by application into Military/Aerospace, Power Generation, Petrochemical, and Automotive Industry. The military/Aerospace segment held the largest market share of XX.X% in the year 2018 and is expected to maintain this trend throughout the forecast period. The application of LVDTs in aerospace is extensive in engines, flight controls, nose wheel steering, and pilot control for continuous monitoring.

Global and China Linear Variable Displacement Transducers (LVDT) Market: Market Dynamics

Drivers

Rise in Need for LVDT Sensor

The rapid growth of safety and protection systems, in addition to advances in driving assistance systems as well as in electric vehicles, boosts the market for inductive & LVDT sensors. Low switching costs, along with many suppliers, moderate the negotiating power of buyers in the inductive & LVDT sensor industry. However, the presence of multiple suppliers, lack of technology differentiation and high initial costs are forcing participants to compete as commodities suppliers.

Covid-19 impact on Global and China Linear Variable Displacement Transducers

(LVDT) Market

With the advent of coronavirus majority of industries have stopped their business operations due to social distancing norms and the supply chain has also been adversely affected since the raw materials are unable to reach the manufacturing units causing disturbances. However, the post-COVID-19 impact results in the V-curve recovery growth owing to the rise in demand for the LVDT in the aerospace sector.

Global and China Linear Variable Displacement Transducers (LVDT) Market: Regions
Global and China Linear Variable Displacement Transducers (LVDT) market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, APAC, and MENA.

Global and China Linear Variable Displacement Transducers (LVDT) market in North America held the largest market share of XX.X% in the year 2018 and will continue to dominate the market throughout the forecast period. Also, China and India are the main markets for the region. In terms of production, the two countries account for a large share of the LVDT market in the region. North America dominates the market for inductive and LVDT sensors since they are commonly used in applications such as automation, aircraft, power turbines, satellites, hydraulics, nuclear reactors, and many others that are already booming in the region.

Global and China Linear Variable Displacement Transducers (LVDT) 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

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

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

Global and China Linear Variable Displacement Transducers (LVDT): Key Players

RDP Electrosense Inc

Company Overview

Business Strategy

Key Product Offerings

Financial Performance

Key Performance Indicators

Risk Analysis

Recent Development

Regional Presence

SWOT Analysis

Micro-Epsilon

Trans-Tek Incorporated.

KEYENCE CORPORATION

TE Connectivity.

OMEGA Engineering Inc

AMETEK. Inc.

Other Prominent Players

Global and China Linear Variable Displacement Transducers (LVDT) market report also contains analysis on:

Linear Variable Displacement Transducers Market Segments:

By Type

AC

DC

By Application

Military/Aerospace

Power Generation

Petrochemical

Automotive Industry

Linear Variable Displacement Transducers Market Dynamics

Linear Variable Displacement Transducers Market Size

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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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