

# **Bending Beam Load Cells - Global Market Outlook (2017-2026)**

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## **Abstracts**

According to Statistics MRC, the Global Bending Beam Load Cells market is expected to grow at a CAGR of 4.8% during the forecast period. Some of the key factors such as increasing usage of these cells in aerospace for the in-flight test, ground test, or even onboard aircraft measurements and automotive industries for the development and to monitor the performance of equipment installed in vehicles, are driving the market growth. However, continuous electric energy for the production and display of signals act as the restraining factors for the market growth.

A Bending Beam Load Cell is the simplest type of load cell with a strain gauge. It is equipment that is used during measurement where weight acts on the load cell's metal spring element and causes elastic deformation. This strain is converted into an electrical signal by a strain gauge that is installed on the spring element. Often, the basic components, i.e. spring element and strain gauge, are complemented with additional elements (housing, sealing elements, etc.) protecting the strain gauge elements.

By Product, Hydraulic Load Cell segment is likely to grow during the forecast period as the weight changes in pressure of the internal fluid and are safe from damage caused by lightning strikes or other electrical surges. They are waterproof, shockproof, explosion-proof, and resistant against both caustic and corrosive environments. By geography, Asia Pacific is likely to have a huge demand mainly due to the increasing demand for industrial weighing equipment that is rapidly evolving in the region with consumers migrating towards automated systems and expansion of infrastructure for mining, manufacturing, warehousing, construction, and shipping.

Some of the key players in this market include Ascell Sensor, Vishay Precision Group, BCM Sensor, Penko Engineering, TesT GmbH, Siemens, Celmi Srl, Puls Electronic and

Flintec.

Channels Covered:

Distributor

Direct Sales

Products Covered:

Pneumatic Load Cell

Hydraulic Load Cell

Piezoelectric Load Cell

Applications Covered:

Belt Scale

Packing Scale

Other Applications

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

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 analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis, etc.

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 client's interest (Note: Depends on feasibility check)

#### Competitive Benchmarking

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

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