

Force Sensors Global Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2021

SMART SENSING & IIoT WILL DRIVE FORCE SENSORS MARKET

The market for force sensors hosts a variety of different companies and is characterized by strong competition as well as the potential to differentiate with technological features. The force sensors market is expected to show moderate growth in the forecast period. Growth in Asia and Europe has balanced the marginal contraction in North America, which led to the overall growth in 2016.

A strong driver for more sensors is the emerging Industrial Internet of Things (IIoT), which requires sensor-based measurements for analysis and decision support purposes.

Almost 70 percent of force sensors are sold to OEMs. For that reason, ARC now segments these OEM revenues into 22 different machinery types to present a clearer picture of the OEM market.

For the top suppliers, ARC sees a strong concentration in Europe (particularly Germany) and North America. Also, both regions host specialized smaller companies. North America also hosts a number of strong suppliers of force sensors.

Automotive is the most important end user industry for force sensors followed by the machinery and pharmaceutical & biotech industries. Investments will continue in all three industries, but ARC expects to see especially strong investments in automotive in 2017.

Regarding the business cycle, ARC expects a rather sound development during the forecast period, despite political crises and currency fluctuation in the world economy.

For more information, please visit us at www.arcweb.com/market-studies/.

STRATEGIC ISSUES

OEMs often stick with their current suppliers. In Asia, price still plays an important role, while in Europe, reliability and increasingly embedded intelligence are important buying criteria. This research will help new suppliers enter the market and existing suppliers grow their businesses, answering key questions such as:

- How can suppliers best position force sensors within an information-driven manufacturing value proposition?
- What types of sensor solutions are users looking for?
- Is it more important to focus on solutions instead of simple product business?

RESEARCH FORMATS

This ARC research is available as a Market Intelligence Workbook (Excel), and/or a Market Analysis Report (PDF), and/or Market Analysis Report with charts (PDF).

RESEARCH FOCUS AREAS

STRATEGIC ANALYSIS

Major, Regional, and Industry Trends
Strategies for Success

COMPETITIVE ANALYSIS

Market Shares of the Leading Suppliers

Market Shares by Region

North America

Europe, Middle East, Africa

Asia

Latin America

Market Shares by Sensor Type

Capacitive

Electrochemical

Magnetic

Optical

Piezoelectric

Piezoresistive

Pyroelectric

Strain Gauge

Ultrasonic

Market Shares by Magnetic Type

Market Shares by Optical Type

Market Shares by Output Signal

Market Shares by Industry

Aerospace & Defense

Automotive

Building Automation

Cement & Glass

Chemical & Petrochemical

Electric Power Generation

Electronics & Electrical

Food & Beverage

Machinery Manufacturing

Metals

Mining

Oil & Gas

Pharmaceutical & Biotech

Pulp & Paper

Semiconductors

Water & Wastewater

Market Shares by Machinery Segment

Market Shares by Customer Type

Market Shares by Sales Channel

MARKET FORECASTS

Total Force Sensor Business

Shipments by Region

Shipments by Sensor Type

Shipments by Magnetic Type

Shipments by Optical Type

Shipments by Output Signal

Shipments by Industry

Shipments by Machinery Segment

Shipments by Customer Type

Shipments by Sales Channel

INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.

