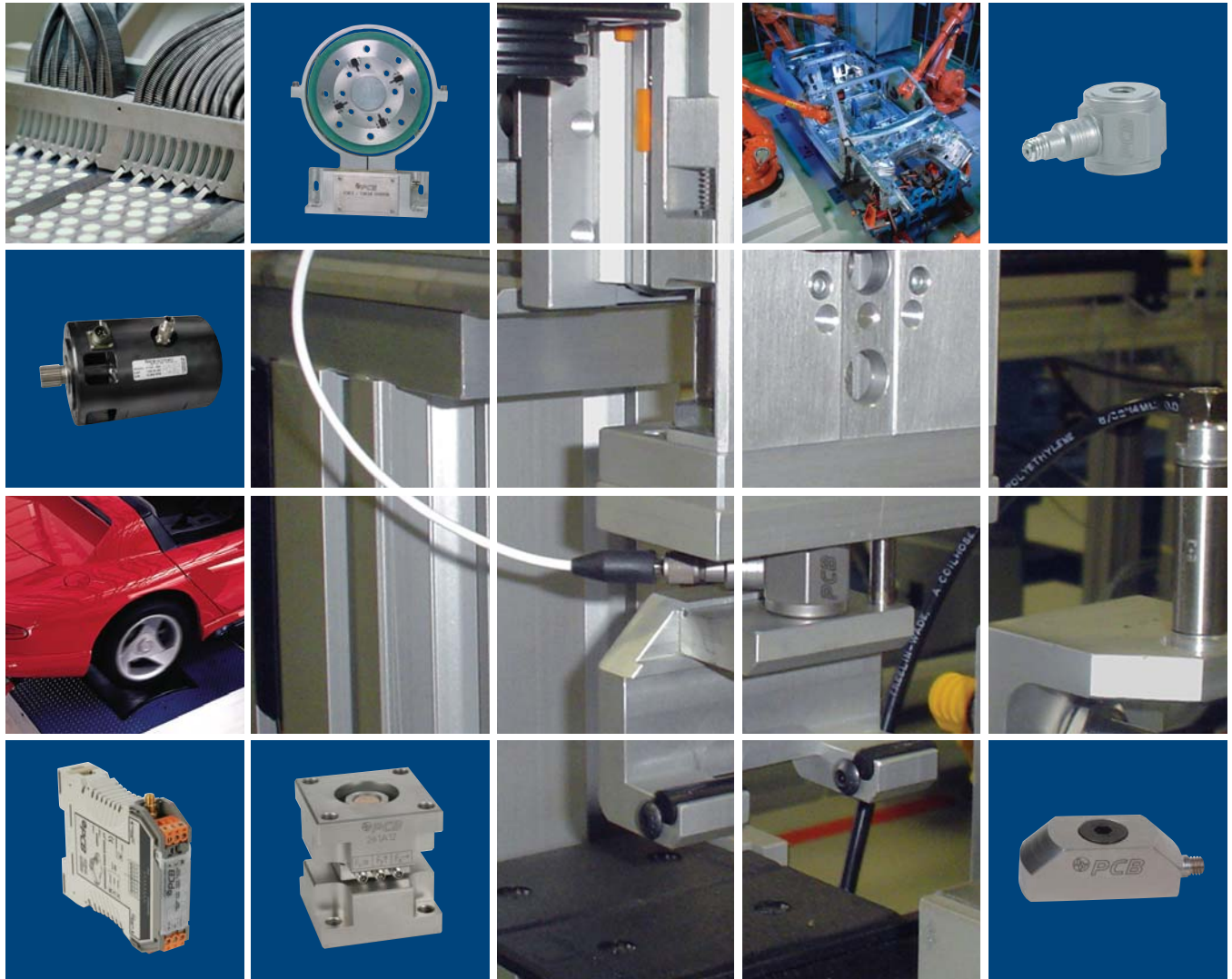


# Sensors for Force, Load, Strain, and Torque

For Product Testing, Process Monitoring, and Research & Development



## Sensors for Force, Load, Strain, and Torque – Product Catalog

PCB Piezotronics, Inc. is pleased to provide this catalog as a selection guide of our broad spectrum of standard force, load, strain, and torque measurement products. Within this publication are sensors, accessories, and signal conditioning equipment, which have been specifically designed for the detection, measurement, and control of load, torque, strain and dynamic compression, tension, and impact forces.

Strain gage sensing technology is used for load cells and torque sensors, whereas piezoelectric quartz sensing technology forms the fundamental sensing principle for dynamic strain and dynamic force measurement. Each technique possesses distinct advantages for the particular requirement. By employing a variety of sensing schemes, PCB® is able to address a multitude of applications, from monitoring the slightest machinery linkage forces, to controlling press forces and other processes, to capturing the impact of a violent crash, to assessing the torque profile of precision motors used for aerospace vehicles, and force control during vibration testing of aerospace structures. Other applications include cutting tool monitoring, biomechanics feedback, and vehicle dynamics.

Since 1967, PCB® has been a supplier of precision sensors for acceleration, acoustic, pressure, and force measurements. Unmatched customer service, state-of-the-art manufacturing capabilities, and worldwide distribution have contributed to our steady growth and success. Customers from industrial, government, education, aerospace, automotive, medical, and research and development disciplines have relied on PCB® to deliver products and solutions for many demanding requirements.

PCB® has assembled an experienced, integrated team to address specific sensor needs of those involved with the measurement of force, load, torque, and strain. Together this team of Design, Engineering, Sales, Customer Service, and Marketing disciplines, draw upon vast in-house manufacturing resources to continually provide new, more powerful sensing solutions. Please do not hesitate to call upon us to assist with your measurement requirements and provide our guarantee of Total Customer Satisfaction.

For the most up-to-date product specifications, drawings, and literature, or to find your nearest sales office, we invite you to visit our Web site at **[www.pcb.com](http://www.pcb.com)**.

In the interest of continuing product improvement, catalog specifications are subject to change without notice.

Before machining tapped holes for installation, please request a copy of the item's detailed installation drawing.

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