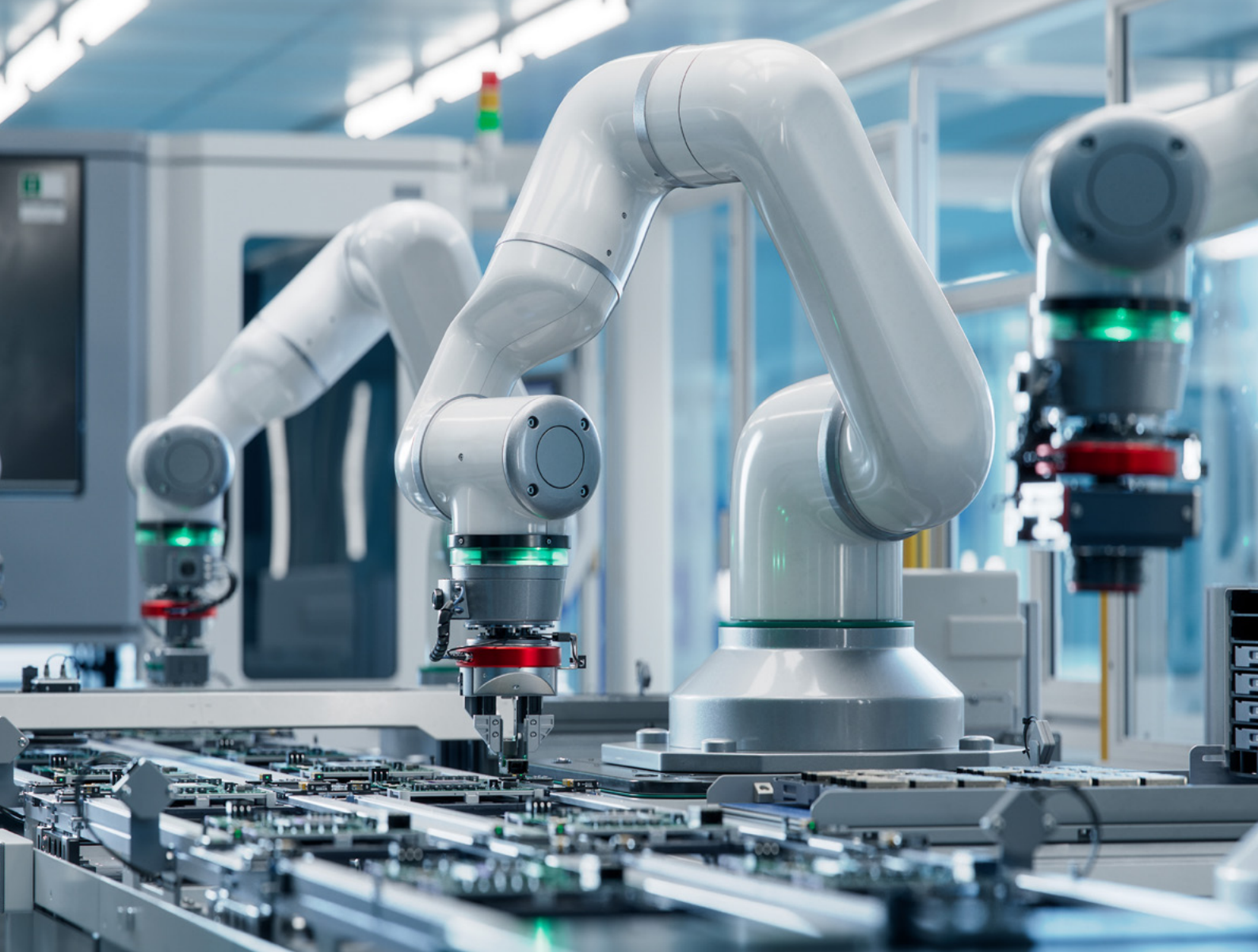




Precision you can count on

Strain Gage Bonding Services

VPG force sensors

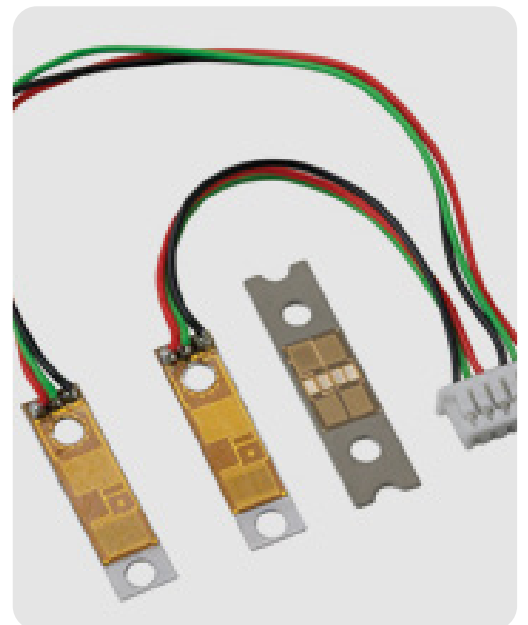
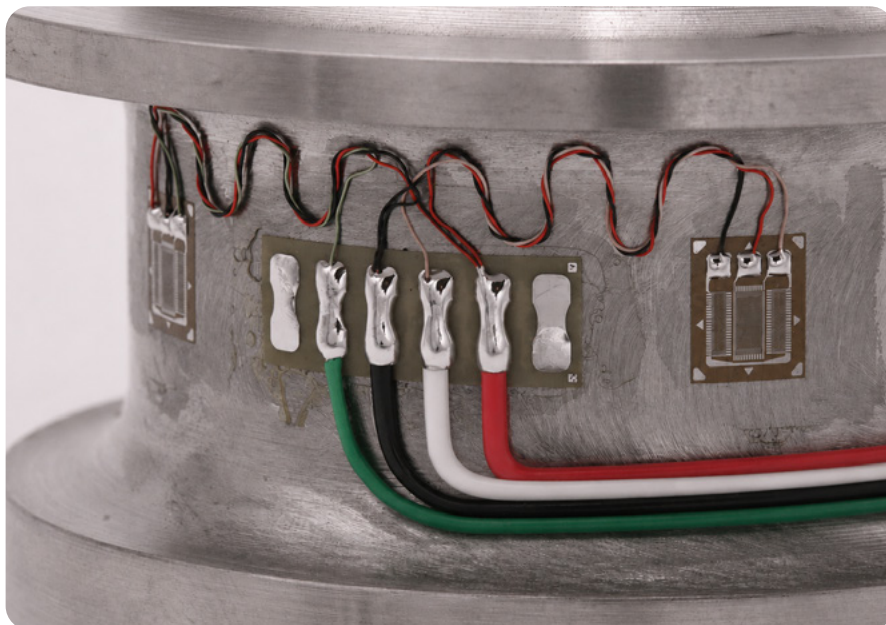
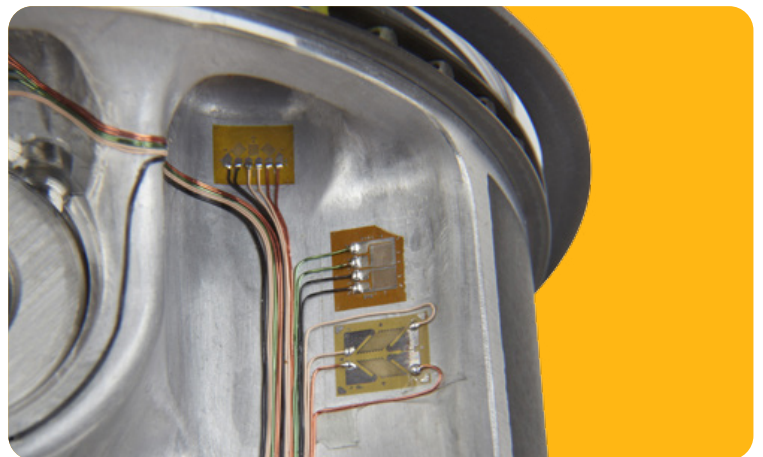
Celtron • Revere • Sensortronics • Tedea-Huntleigh

VPGforcesensors.com

Your expert partner for strain gage installation

When precision matters in your application, trust the team with more than 50 years of experience in force sensing technologies and services.

VPG Force Sensors provides comprehensive strain gage bonding and installation services backed by an ISO 9001-certified quality management system. From a single R&D prototype to high-volume production runs, our qualified technicians and state-of-the-art facilities are ready to meet any strain gage bonding requirement — on time and to specification.



Quality strain gages for reliable performance

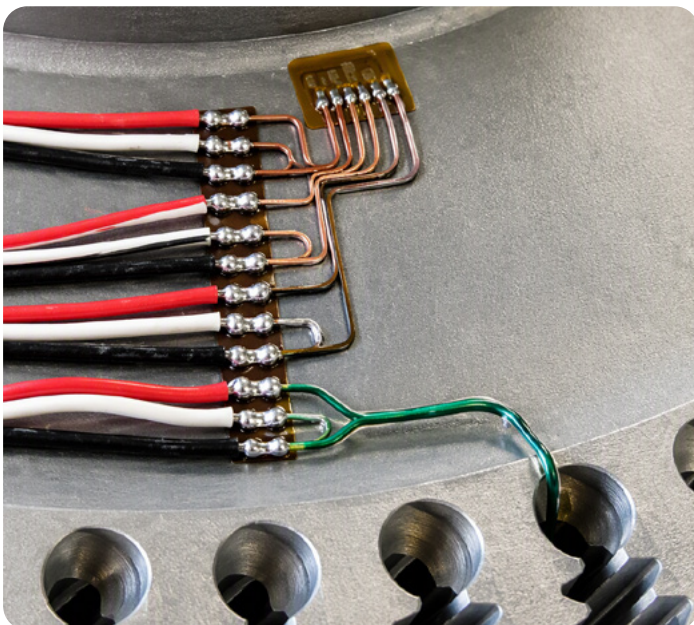
Our strain gage bonding service starts with top-quality components, exclusively using strain gages and accessories from Micro-Measurements — another VPG brand. This ensures consistent, high-performance results, whether your application operates in a laboratory environment or in challenging real-world conditions, including submersion in water or oil and exposure to extreme temperatures.

Strain gage bonding solutions for harsh environments

Force measurement in harsh environments calls for specialized installation techniques and materials, including protective coatings.

VPG Force Sensors strain gage bonding experts have extensive experience in selecting optimal components and materials to protect installations in harsh conditions, including hot oil, salt water, high and low temperatures, and extreme mechanical forces.

Our strain gage-based solutions have been successfully deployed from the bottom of the ocean to outer space, and in many environments in between.



One-stop solution

VPG bonding facilities are designed for efficiency and precise, repeatable results across every stage of the strain bonding and installation process.

Our in-house equipment includes:



Air abrasion equipment for surface preparation



Ultrasonic cleaning baths



Fully equipped bonding area with laminar flow benches



**Optical projection and microscope systems
for precise gage positioning**



Controllable ovens for curing



**Programmable environmental chambers for testing
and temperature compensation**



Traceable calibration equipment and procedures

Flexible service to fit your needs

Understanding that every project has unique requirements, our strain gage bonding service is designed to meet the widest range of requirements and priorities.

Your quantities



No project is too big or too small. Whether you need a single piece or a high-volume order, we are ready to help.

Your preferred location



Installations can be completed at a VPG facility or onsite at your location, whichever is most efficient and convenient for you.

Your timing



We maintain an inventory of several gage patterns and installation materials, which means that some projects can be completed in a single workday to meet tight deadlines.

Who Benefits from VPG Bonding Services?

Many OEMs and product developers need strain gauges integrated into critical components as part of their final product. However, establishing an in-house bonding capability requires specialized expertise, equipment, materials, and ongoing training investments.

VPG's bonding services eliminate that complexity.

Why customers choose VPG Bonding Services

- Whether you need a few prototypes or thousands of units, VPG has the expertise and capacity to deliver at scale.
- Avoid the cost and complexity of building an internal bonding operation.
- Gain access to proven strain gauge installation expertise.
- Reduce development time and accelerate product readiness.
- Ensure reliable, high-quality results from an experienced team.

Customers typically provide their component designs and application requirements, and VPG delivers the bonding solution. When additional support is needed, our R&D team works closely with customers to help optimize designs and achieve the best possible performance.

Focus on innovation. Leave the bonding to us.

VPG Force Sensors can serve as an extension of your R&D or engineering team, partnering with you to provide additional expertise and create products in the form and capacity your application requires.

When needed, we can provide same-day quotations. Our team is always ready to process your order efficiently and accurately.

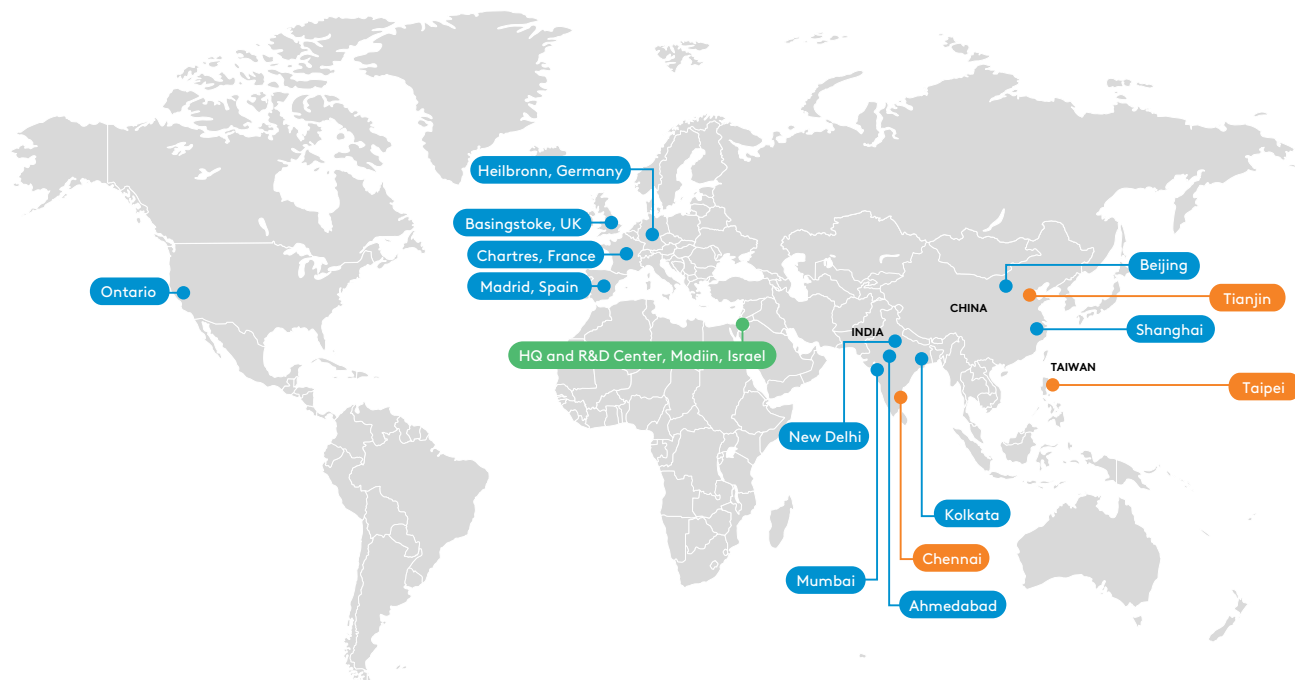
Competitive pricing, no compromise

VPG Force Sensors is committed to maintaining competitive pricing while delivering expert technical advice and professional support, ensuring consistent high quality and performance.

By combining in-house bonding and installation with direct access to our sister company's strain gages, we simplify the process and maintain control to deliver a fast, smooth, and cost-effective service.

Global reach, local service

The VPG Force Sensors strain gage bonding service is offered in North America, Europe, Asia, and the Middle East. No matter where you are, your bonding solution is close at hand.



VPG Force Sensors develops and manufactures the world's most advanced force measurement sensors and solutions, delivering optimal performance and empowering tomorrow's innovations. With our renowned brands, we offer the largest range of load cells, weighing instruments and accessories available from a single-source supplier. Chosen for their high accuracy, uncompromising quality and long-lasting reliability, our products are implemented in millions of machines, devices and systems around the world. Due to our large manufacturing capacity, fast turnaround on orders, high product quality and competitive cost structure, we are a leading load cell supplier to many industries and markets. VPG Force Sensors is part of VPG (Vishay Precision Group), a global leader in precision measurement sensing technologies.



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