

Founded in 1999, PVI Systems, Inc. is a privately-owned engineering firm specializing in custom test and measurement systems, machine vision, and process and motion control systems to support pharmaceutical, biotechnology, and life science companies in R&D and manufacturing applications.

From designing machines to automate physical aspects of lab testing to a unified software application usable by different client locations, PVI systems develops solutions to improve work flow and optimize data management.

Our engineers are skilled at developing software architecture to system-level hardware design for research and development, process automation, and quality control applications. PVI Systems focuses on developing the most effective solutions for our clients to actualize their project goals.

What We Do

Software Development - We develop custom software solutions for data acquisition, machine vision, and process control applications using National Instruments (NI) LabVIEW platform.

Hardware Design - We utilize NI hardware controllers and modules to custom design systems to support a variety of applications. We can also integrate other third party instruments or equipment such as PLCs, environmental chambers, and more to provide the best solution for the client's particular application needs.

Automation - We design real-time control of components such as pumps, robotic arms, and servo motors.

Specializations

- Data Acquisition • Custom Databases
- Automated Test & Measurement
- Motion & Process Control
- Machine Vision
- Consulting Services • LabVIEW Training

Certifications

- 3 Certified LabVIEW Developers
- 2 Certified LabVIEW Associate Developers
- 1 Certified LabVIEW Architect
- 1 NI Certified Professional LabVIEW Instructor

Differentiators

- PVI helped develop an FDA-validated system with a major pharmaceutical company.
- **Sound Analytics (SA)**, a PVI affiliate, has been developing hardware and software solutions for the life sciences since its inception in 2006. SA developed DiscoveryQuant, an industry standard software solution for Drug Discovery that is sold through SCIEX and is used in labs worldwide. SA developed, manufactures, sells and supports the LS-I, a high throughput autosampler used in Drug Discovery labs throughout the US. SA partners with Apricot Designs on the ADDA high throughput autosampler which is used in labs worldwide.
- PVI has provided extensive support to the world's largest pharmaceutical companies for both R&D and manufacturing applications.
- Our vast experience engineering systems for companies from different industries such as pharmaceutical, general manufacturing, aerospace/defense, and more allows us to draw on this knowledge to provide unique solutions to common and uncommon problems.

Past Performances

Proteomics/BioTechnology Company* – 2020 – Development of machine vision system to detect variations in single cell image processing.

Medtronic – North Haven, CT; 2019 – Automated test & measurement system for newly developed medical device.

Pfizer, Inc. – 2000 - present – Ongoing development and support for variety of data acquisition software programs and equipment.

Huxley Bertram – 2015-present – Ongoing maintenance and support of powder compaction simulators for their US clientele.

Covidien – 2014 – Staple Inspection System – Developed automated test system for medical staple inspection.

** Please note that we sign NDA agreements with many of our clients.*

Company Information

DUNS No.: 124601746
NAICS Codes: 541330, 541511
PSC Codes: AC31, AC32, AC35, AJ15
AN11, AR15, H270, H999
CAGE Code: 68RU5
SAM Active

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