



**JOB TITLE:** Summer Internship with IDEX Health & Science (IH&S) RD&E Department  
**REPORTING TO:** Project Manager – Chromatography  
**LOCATION:** Location: Rohnert Park, CA  
**START DATE:** May 31, 2022  
**DURATION:** 5/31/2022 - 8/12/2022  
**HOURLY PAY:** \$20-\$25

### **SCOPE OF WORK**

Do you love building Legos®? This may be the position for you! IDEX Health & Science is looking for a mechanically competent individual seeking experience assembling test systems for evaluating the reliability of products used in High Pressure Liquid Chromatography (HPLC) systems. What is HPLC and why is it important? It's questions like that that get you through the door! (You're already doing a great job, now Google it!)

Here's what you need to know:

Each Automated Test Stand (ATS) is comprised of extruded 8020 Aluminum and powder-coated sheet metal, a network of air and fluidic connections, and an electrical communication interface (PCBA's, cable harnesses, etc.). The test stands are driven by custom software which control Highly Accelerated Life Tests (HALT) for IDEX valve products used in HPLC applications. Experience assembling IKEA furniture (successfully), using hand and power tools, and the ability to follow written and oral instructions is a must. Support is available but you are expected to ask for help and clarification when unsure. You will be working within a team of senior R&D engineers available to guide you as needed.

**This key role requires a collaborative individual with strong mechanical, organization, and communication skills.**

### **ESSENTIAL DUTIES**

- Follow documented schematics prepared by IDEX engineers for assembly and installation of ATS'
  - Mechanical assembly of test stand 8020 Aluminum frame
  - Soldering and organizing electrical wiring including custom harnesses
  - Installation of compressed air fittings, connections, adapter, couplers, etc.
- Communicate with the project team and ask for guidance/clarification from engineers as needed
- Confirm availability of essential materials
- Requires basic mechanical aptitude and experience soldering



## **GENERAL RESPONSIBILITIES**

- Work independently as much as possible
- Organize schedule off assembly work breakdown structure
- Escalate issues as appropriate
- Communicate progress of work completed, and priority of future work
- Suggest changes as appropriate
- Environmental Health & Safety (EHS) - Help reduce environmental impacts and risk to human health and safety following and training all Service Provider Employees to follow all Client program requirements. Documentation of this training shall be readily accessible to Client upon request.

## **IH&S RESPONSIBILITIES**

- Provide a workspace, computer, phone, and IT connectivity as necessary to work with the project team and accomplish project objectives on time.
- Provide security access card, keys, and access to the facility.
- Provide access to technical, materials, and experts in a timely manner to meet project schedules.
- Provide access to databases, websites, and electronic directories necessary to accomplish the project objectives.
- EHS - The Manager or designate is responsible for communicating all EHS performance expectations to the Service Provider Employee / service supplier. Define the scope of work and determine if Service Provider Employee activities are high impact or low impact.

## **EDUCATION AND EXPERIENCE**

- High School diploma
- Pursuing a career in Engineering and/or Mechatronics

## **SKILLS AND ABILITIES**

- Proactive. Candidate must possess a strong sense of ownership and drive to success utilizing available resources. Must be comfortable working under pressure.
- Effective communicator both orally and written.
- Well organized. Candidate must have ability to address tactical issues in the short-term while maintaining long-term project and resource plans.
- Honesty & Integrity. Candidate must be honest and possess integrity when dealing with co-workers.
- Ability to work successfully in a multi-cultural business environment.
- Ability to work collaboratively with virtual teams and processes.



## **ITAR/EAR CRITERIA**

*These positions may require lawful access to ITAR/EAR controlled information and employees in this role will need to meet those requirements. **Requirements include US Citizenship or US Permanent Resident.***

## **Who is IDEX Health & Science (IH&S)?**

As a business unit of IDEX Corporation, IH&S has a long history of driving growth in life sciences and healthcare by embracing innovation and redefining the supplier-customer relationship. The work we do every day allows us to discover key insights and break new ground to create some of the most meaningful technologies that have a lasting impact on companies, industries, and society. One of our business segments is called Life Science Fluidics and we are looking to add more talent to the team.

### **Life Science Fluidics**

We are component and system-level experts who understand the critical inter-dependencies between microfluidics, fluidics, optics, and integrated sub-assemblies. We specialize in the complete optofluidic pathway to help our customers avoid project risks, and we are uniquely positioned to solve even the most demanding challenges in a wide array of life science applications.

Our fluidics team is located across Oak Harbor, Washington, Rohnert Park, California, Bristol, Connecticut, Middleboro, Massachusetts, and Kawaguchi, Japan serving the IVD & Biotech, Chromatography, Mass Spectrometry, and Bioprocessing markets with a broad portfolio of products and capabilities.

Our formula for success is simple. We work hard to maintain a culture where you can own your work; you are encouraged to try new ideas in a collaborative environment; and you can apply your skillset to enable our clients to gain a competitive advantage in their own market. At IDEX Health & Science, you can work with a great group of people, mentor others, and build a great future.

*IDEX Health & Science LLC., a Unit of IDEX Corporation is an Equal Opportunity Employer committed to workforce diversity*