

# SPEED TO MARKET PROGRAM

## DESIGN DIAGNOSTICS - FEASIBILITY & ROOT CAUSE ANALYSIS

*SPEED TO MARKET WITH CONFIDENCE*



During transit testing, we frequently observe failures ranging from pinholes to cracks or tears in the package. Failures can be detrimental to a projects timeline and bottom-line. With the use of PCL's Design Diagnostics Feasibility Program, clients see rapid answers and solutions.

Frequently we see clients jump the gun and make large investments in expensive tooling for packaging they aren't certain is going to be feasible. This can be an incredibly costly mistake. Quick, upfront testing can save significant time and money in the long term. Feasibility testing can give you confidence that your investments are well spent.

### **HOW IT WORKS**

- ▶ Clients send a sample size of products or prototypes.
- ▶ The products / prototypes are then subjected to a heightened sensitivity transit such as ISTA 1A or ASTM D4169.
- ▶ Post transit testing, our team visually inspects the packaging for damage including bubble leak integrity testing.

In the transit testing environment, drop testing and repetitive shock vibration testing cause the most failures. By eliminating sterilization, climatic conditioning, and other transit hazards, this program can expedite the study and focus on the high-risk areas.



*Ryan Ott & Sean Thompson  
examining real time transit test results*

### **NEXT STEPS**

- ▶ If results are favorable, the client is given the confidence to take their packaging to market.
- ▶ If results are not favorable, then PCL can deploy an engineer to work hand in hand with the client's project team.
- ▶ PCL's engineer conducts a root cause analysis, identifies opportunities for improvement, and assesses new ideas in the lab.
- ▶ Once a solution is identified and confirmed, the client will be ready for final validation.

### **TIMING**

Typical programs have a 48-hour to 72-hour turnaround.

### **COST**

We designed this program to save time and money. Contact Ryan Ott at [rott@pkgcompliance.com](mailto:rott@pkgcompliance.com) or call 616.227.4540 to discuss the project and get a quote!

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## TURNKEY SEALER VALIDATION

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Validating a medical sealer involves writing protocols, making samples, conducting testing, and writing reports. These tasks must be done with precision to ensure proper validation. This involves selecting the correct materials, sample sizes, and inspections that need to be performed. Typically, we see clients struggling with facility preparedness, production commitments, personnel and resource availability.

Packaging Compliance Labs strives to make this process easy with the implementations of our Turnkey Sealer Validation Program.

### HOW IT WORKS

- ▶ A client's sealer is temporarily installed at Packaging Compliance Labs in our state of the art laboratory.
- ▶ Our team of skilled packaging engineers write a client's IQ, OQ, and PQ protocols, including detailed work instructions on the machine and the clients unique packaging process.
- ▶ Samples are built and tested by trained packaging professionals on-site.
- ▶ PCL offers onsite training. This allows our team to provide training on the machine, plan for the production cell layout, and work out the kinks prior to final installation at the manufacturing site.
- ▶ Upon completion, the client receives thorough test reports and detailed work instructions allowing the sealer to be ready for production at the clients site.



*Client Training on Sealer*

### NEXT STEP

- ▶ The sealer is packaged and shipped to the client's facility.
- ▶ The client then installs the sealer at their site, which involves running a verification study to ensure consistent seal quality before / after the transfer.
- ▶ For clients that do not desire to do this on their own, we offer onsite installation.
- ▶ Once this is completed, the sealer is immediately ready for use.



*Ryan Ott Inspecting Seals*

### TIMING

As little as one week from dock to dock, depending on complexity of the clients unique packaging needs.

### COSTS

We developed the program to be both fast and cost effective when compared with a traditional sealer validation project. Contact Ryan Ott at [rott@pkgcompliance.com](mailto:rott@pkgcompliance.com) or call 616.227.4540 for a quote!