Internal Test Kit Fabrication Lab

ELI LILLY QUALIFICATION TEST KIT FABRICATION LAB

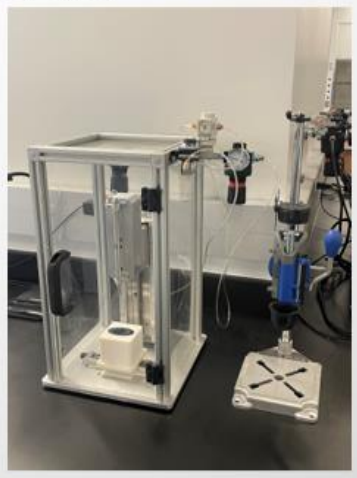
Eli Lilly's Test Set Fabrication Lab went live January 2024. The lab was created to allow Lilly the most flexibility to meet aggressive expansion goals for new manufacturing facilities and product launches while maintaining high quality standards associated with our visual inspection qualification strategy. The controlled fabrication has driven improvement to the visual inspection qualification program and performance comparison across sites. The lab currently supports 7 internal manufacturing sites with a combination of product platforms and components.

The team is currently represented by 7 fabricators and a leader. In 2024 the team was responsible for completing over 300 test kit orders equaling over 70000 defects fabricated and delivered as part of visual inspection qualification test kits for vial, cartridge, and Pre-filled syringe products.

FABRICATION LAB TECHNOLOGY

As part of the journey to fabricate the most representative defects associated with the manufacturing process, the team have implemented multiple pieces of equipment/technology. The team have worked with vendors to replicate production criteria in a lab environment. Some examples of this are:

- Programmable cappers that can be programmed to replicate a sealing defect that is reproducible with the push of a button.
- UV printing on defects to maintain a unique identification for each defect that is not visible to the naked eye.
- Pneumatic glass chipper



KEY BENEFITS

With the introduction of the fabrication lab Lilly has been able to harmonize our visual inspection process globally with consistent kits to compare site to site performance enabling us to identify and implement best practices across sites.

It has allowed prioritization of kit demand internally which allows us to react faster to schedule changes, and drive process improvement.