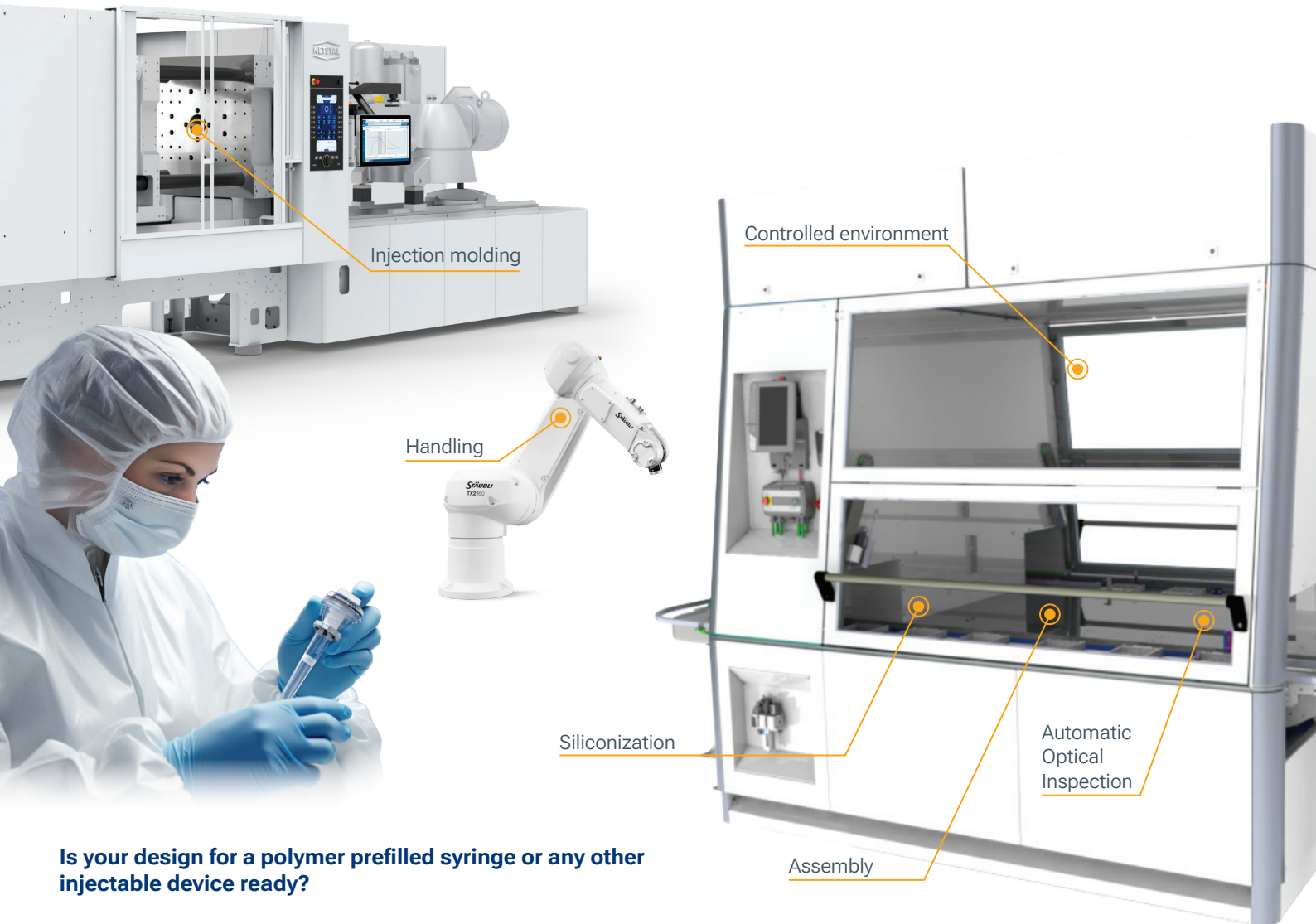


Polymer Prefilled Syringes Our way to prove your concept



Is your design for a polymer prefilled syringe or any other injectable device ready?

Are you planning to take charge of the manufacturing process but not sure about its impact on product quality?

We provide the opportunity to put your design to the test in a real production environment, examining the interplay of materials, designs, components, lubricants and processes.

Witness firsthand how your design performs under realistic manufacturing conditions and make informed decisions for best practice manufacturing of your individual “product” – may it be a device, primary packaging or even an *API.

A unique service in the industry combining experience in injection molding and understanding its impact on *Drug Device Combination Products.

Closing the gap — transferring knowledge of polymer manufacturing into Glass Replacement Products.

*API – Active Pharmaceutical Ingredient

*Drug Device Combination Products (DDCPs) – are products that combine a drug, biologic, or therapeutic agent with a medical device.

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How does it work?

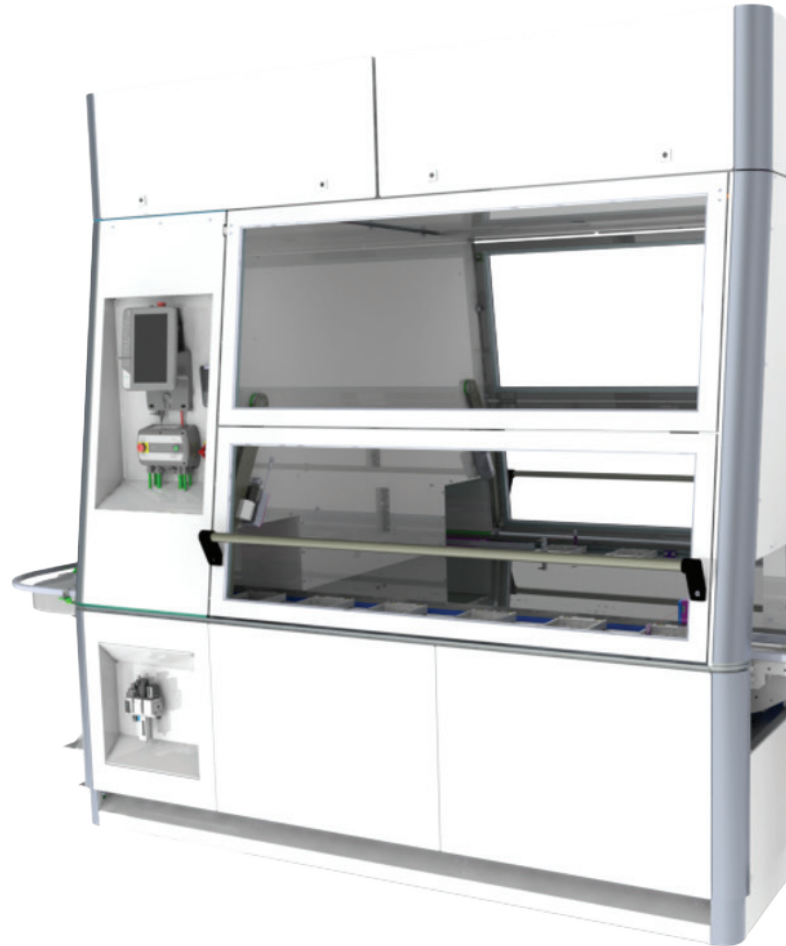
At HAHN Automation Group, we provide an unparalleled testing experience through the use of a flexible automation cell combined with a handling unit. This cutting edge technology allows us to extract a freshly molded part and replicate all downstream manufacturing processes.

What devices can be tested?

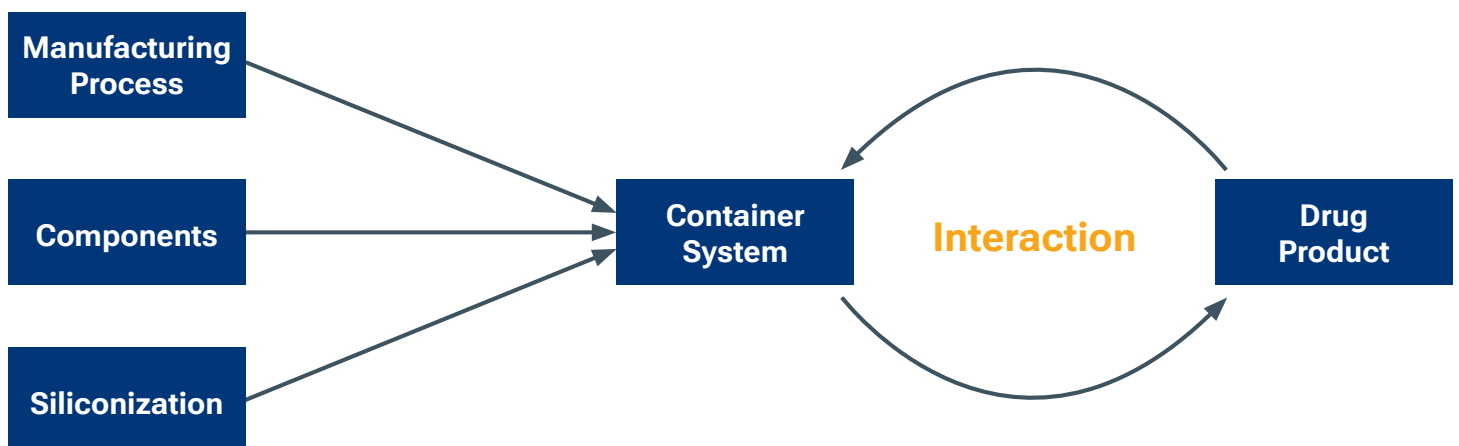
Our testing services extend to a wide range of polymer based products like COC/COP prefilled syringes, vials, cartridges and other injection devices or Drug Device Combination Products (DDCPs) where behavior in combination with APIs requires in-depth studies.

What do you gain?

- Improved device design for optimal manufacturing
- Support in selecting suitable DDCPs
- Validation of critical processes such as siliconisation, AOI and more in order to setup a safe, reliable and controllable production
- The ability to make informed decisions about your added value creation
- Conduct studies like CCI, sterilisation, shelflife and other based on a reproducible manufacturing process
- Enables you to set clear and effective quality agreements in order to ensure regulatory compliance



Impact on DDCPs



Secure your future in pharmaceutical manufacturing – with confidence!