

Case 3: SG EZ-fill®: An ally at every stage of the product life-cycle

The challenge

Every pharmaceutical company must optimize drug life cycle management; marketers cannot just introduce and sell a drug, they also have to take into consideration different market requirements to ensure profitability through lifecycle management.

Therefore, the introduction of new packaging solutions can play an important role in the management of a product from launch until the later stages of the cycle. In fact, making small changes to a proven product can make a big difference in the market and that is what this business case is about.

A multinational company was selling a biologic into vials and into glass syringes that were washed, depyrogenated and sterilized in its in-house facility. These syringes' tip-cap had the same rubber composition as the vial stopper so there was a perfect compatibility in the two configurations.

To simplify the injection, the company decided to evaluate the combination with an auto-injector with a staked needle pre-fillable syringes: the drug could be used to treat different pathologies and the auto-injector was the best way to target patients with handling difficulties

The solution

Due to the different primary packaging the main challenge was related to the Extractables. We entered the game with our SG EZ-fill® team.

Working hand in hand with the adhesive provider, our engineering experts devised an innovative system dedicated to the glue curing, while our internal lab provided the client with a set of tests, demonstrating the suitability of our ready-to-fill syringe, not only in terms of extractables, but also in terms of mechanical and cosmetic performance. And once our data set was solid enough, we brought the manufacturing process to industrial level.

