



NFHU Fill & Finish: A Smarter Way to Access Filled Containers

Develop new drug products and install new automation without requiring GMP F&F

Developing and commercializing new injectable drug products uses **thousands to millions** of filled containers where only **dimension, material, function and/or weight are critical**. We can support you with our NFHU F&F services.

Why choose NFHU F&F?

Not For Human Use (NFHU) Fill & Finish, also known as non-GMP Fill & Finish, makes it feasible to have samples that meet **critical-to-quality** needs without the burden of GMP and **avoids delaying** drug production for patients. Testing representative samples earlier can also reduce risk and shorten time-to-market.

How can Stevanato Group support you?

Some examples of our success cases.



Micro-batches for **screening containers and devices** with representative stoppering



Functional, in-spec samples for **test method development/validation** and **clinical trainers**



Large batches for **running-in high-speed automation** without sacrificing GMP time



Key Feature

Compatible with multiple brands

Ready-To-Use

Syringes, Cartridges, Vials

Fill media

WFI, Placebo, Drug

Locations

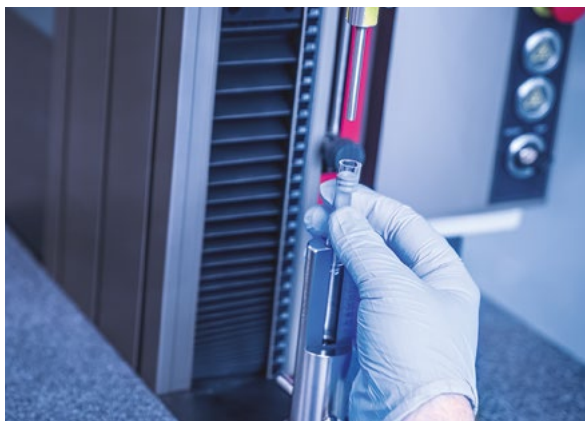
U.S. and Italy



Using NFHU for Product Development

Finding F&F problems late may require repeating verification, validation or even reformulation, while optimized designs may streamline transfer to GMP, accelerating time to market

- **De-risk machineability of drug and container** especially for viscous drugs, suspensions, coated plungers or when vacuum stoppering.
- **Optimize container and device specifications** such as plunger position, headspace and fill volume.



Using NFHU for Manufacturing

High-speed equipment require the most samples during run-in and mechanical acceptance tests; improve efficiency and reduce cost with a partner that scales with your needs

- **Reduce Total Cost of Ownership (TCO)** when ordering and installing new automation for assembly, packaging, or inspection.
- **Protect the schedule** by offloading NFHU material from GMP lines, installing F&F and assembly lines in parallel, or with a second source for F&F.



With 75+ years of experience, we support you from choosing the primary container through device design verification and commercialization.
Contact us to learn more.

