

Introducing our new High-Speed Isolator Filling Line

Large & Small Molecules

With more than 100 years of manufacturing experience we, at IDT Biologika help pharmaceutical and biotech companies to bring their therapies to market.

Our advanced fill-finish network includes **high-speed isolator filling capabilities for large-scale vial manufacturing**, supporting batch sizes of up to **500,000 vials** and annual capacities of up to **100 million vials**. Designed for biologics, BSL-2 products, and small molecules, these capabilities combine efficiency, scalability, and quality.

From process development and drug substance manufacturing to fill-finish, quality control, analytics, and packaging, our integrated CDMO services provide seamless support throughout the product lifecycle - supported by a dedicated expert team for customer project onboarding and a secure supply chain.

FILLING LINES:

- Small and large scale for vials and syringes

VISUAL INSPECTION:

- Manual
- Semi-automatic
- Fully-automatic

SECONDARY PACKAGING:

- For vials and syringes
- Labelling, blistering, packaging
- Kit packaging
- Autoinjectors and safety devices
- Clinical and commercial packaging

Our End-to-End Services include:



Process & Analytical
Development



Drug Substance
Manufacturing
Cell-Culture & Microbial Based
200L - 800L - 2000L



Drug Product
Manufacturing



Labeling
& Packaging



Quality Control
& Analytics

New High-Speed Filling Line for Vials



VIALS	2R, 6R, 10R glass vials / up to 50R vials possible
BATCH SIZES	Up to 500,000 vials 2R (depending on bulk volume and filling)
FILLING SPEED (effective)	32,000/h (2R) / 16,000/h (6R) / 15,000/h (10R)
EMPTY VIAL INSPECTION	100 % camera inspection of vial bottom and opening
FILLING WEIGHT	100 % in process control of filling weight
DOSING SYSTEMS	Gentle filling process by peristaltic pumps
FILLING VOLUMES	0.1 ml – 10.0 ml depending on vial format
DEAD VOLUME	Depending on the single-use-filling system and by using the dose-out function approx. 300 ml – 400 ml
FILLING EQUIPMENT	Single use filling system (SUS)
VISCOSITY	Water-like solution and suspensions with viscosity up to 50 mPa*s cP For higher viscosities product specific tests are required
CAPS	Combi caps, flip-off caps, tear-off caps
CRIMPING	100 % crimping quality inspection via camera and coding system for data-matrix-code on cap side
ISOLATOR TECHNOLOGY	2 segments for liquid filling processes / own air ventilation system including return air filtration / different pressure zones / H ₂ O ₂ decontamination and inactivation

Learn more about Partnering with IDT Biologika

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Contact us