

BIOLOGICS

Introducing our new High-Speed Filling Line

With more than **100 years of experience** in vaccine manufacturing, we at IDT Biologika are proud to unveil our groundbreaking **drug product manufacturing solutions**, redefining the boundaries of innovation in **commercial manufacturing** for our clients by offering the latest technology and compliance driven capabilities.

In order to keep up with market demands and new therapeutic areas, IDT Biologika has expanded its capacities of eight dedicated aseptic filling lines by another **new high-speed line**. With batch sizes of up to 500,000 vials, this line is one of the **fastest in the world** and can serve up to 100 million vials per year. The line can handle both BSL-2 projects and other biologics and contains a **fully automated visual inspection**, an own air ventilation system, including return air filtration and H₂O₂ decontamination and inactivation.

With our cutting-edge technology and unwavering commitment, we are the sustainable partner in the commercial manufacturing of your liquid products. To complement our drug substance and fill-finish capabilities, we offer a broad range of **quality control and secondary packaging services in-house**.

Our End-to-end services include:

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



Process
Development



Drug Substance
Manufacturing



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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